

0001645590-24-00013910-K Hewlett Packard Enterprise Co 2024121920241219082059082100082100 0 0001645590-24-000139 10-K 164 20241031 20241219 20241219 Hewlett Packard Enterprise Co 0001645590 3570 472398624 DE 1031 10-K 34 001-37483 241561047 1701 E MOSSY OAKS ROAD SPRING TX 77389 68-259-9860 1701 E MOSSY OAKS ROAD SPRING TX 77389 10-K 1 hpe-20241031.htm 10-K hpe-202410310001645590FALSEFY2024P2YP5YP3YPIY1Yhtp://fasb.org/us-gaap/2024#NonqualifiedPlanMemberhtp://fasb.org/us-gaap/2024#AccountsPayableCurrenttwelve monthshp://fasb.org/us-gaap/2024#AccountsPayableCurrenthtp://fasb.org/us-gaap/2024#AccountsPayableCurrenthtp://fasb.org/us-gaap/2024#OtherLiabilitiesCurrenthtp://fasb.org/us-gaap/2024#OtherLiabilitiesCurrenthtp://fasb.org/us-gaap/2024#OtherLiabilitiesNoncurrenthtp://fasb.org/us-gaap/2024#OtherLiabilitiesNoncurrenthtp://fasb.org/us-gaap/2024#PropertyPlantAndEquipmentAndFinanceLeaseRightOfUseAssetAfterAccumulatedDepreciationAndAmortizationhtp://fasb.org/us-gaap/2024#PropertyPlantAndEquipmentAndFinanceLeaseRightOfUseAssetAfterAccumulatedDepreciationAndAmortizationhtp://fasb.org/us-gaap/2024#DebtCurrenthtp://fasb.org/us-gaap/2024#LongTermDebtAndCapitalLeaseObligationshtp://fasb.org/us-gaap/2024#LongTermDebtAndCapitalLeaseObligationsP2Yhtp://fasb.org/us-gaap/2024#RevenueFromContractWithCustomerExcludingAssessedTaxhtp://fasb.org/us-gaap/2024#RevenueFromContractWithCustomerExcludingAssessedTaxhtp://fasb.org/us-gaap/2024#RevenueFromContractWithCustomerExcludingAssessedTaxhtp://www.hpe.com/20241031#EquitySecuritiesInPrivatelyHeldCompanieshtp://fasb.org/us-gaap/2024#OtherAssetsCurrenthtp://fasb.org/us-gaap/2024#OtherLiabilitiesNoncurrenthtp://fasb.org/us-gaap/2024#OtherAssetsCurrenthtp://fasb.org/us-gaap/2024#OtherLiabilitiesNoncurrenthtp://fasb.org/us-gaap/2024#Revenueshtp://fasb.org/us-gaap/2024#Revenueshtp://fasb.org/us-gaap/2024#Revenueshtp://fasb.org/us-gaap/2024#OtherNonoperatingIncomeExpensehtp://fasb.org/us-gaap/2024#Revenueshtp://fasb.org/us-gaap/2024#OtherNonoperatingIncomeExpensehtp://fasb.org/us-gaap/2024#OtherNonoperatingIncomeExpenseP5Yiso4217-USDXbrli:sharesiso4217-USDXbrli:sharesxbrli:purehpe:segmenthpe:countryhpe:businessAcquiredhpe:reportingUnitthe:businessDayhpe:11-012024-10-310001645590us-gaap:CommonStockMember2023-11-012024-10-310001645590hpe:A7.625SeriesCMandatoryConvertiblePreferredStockMember2023-11-012024-10-3100016455902024-04-3000016455902024-12-090001645590us-gaap:ProductMember2023-11-012024-10-310001645590us-gaap:ProductMember2022-11-012023-10-310001645590us-gaap:ProductMember2021-11-012022-10-310001645590us-gaap:ServiceMember2023-11-012024-10-3100016455902022-11-012023-10-3100016455902021-11-012022-10-3100016455902020-11-012021-10-3100016455902019-11-012020-10-3100016455902018-11-012019-10-3100016455902017-11-012018-10-3100016455902016-11-012017-10-3100016455902015-11-012016-10-3100016455902014-11-012015-10-3100016455902013-11-012014-10-3100016455902012-11-012013-10-3100016455902011-11-012012-10-3100016455902010-11-012011-10-3100016455902009-11-012010-10-3100016455902008-11-012009-10-3100016455902007-11-012008-10-3100016455902006-11-012007-10-3100016455902005-11-012006-10-3100016455902004-11-012005-10-3100016455902003-11-012004-10-3100016455902002-11-012003-10-3100016455902001-11-012002-10-3100016455902000-11-012001-10-3100016455901999-11-012000-10-3100016455901998-11-011999-10-3100016455901997-11-011998-10-3100016455901996-11-011997-10-3100016455901995-11-011996-10-3100016455901994-11-011995-10-3100016455901993-11-011994-10-3100016455901992-11-011993-10-3100016455901991-11-011992-10-3100016455901990-11-011991-10-3100016455901989-11-011990-10-3100016455901988-11-011989-10-3100016455901987-11-011988-10-3100016455901986-11-011987-10-3100016455901985-11-011986-10-3100016455901984-11-011985-10-3100016455901983-11-011984-10-3100016455901982-11-011983-10-3100016455901981-11-011982-10-3100016455901980-11-011981-10-3100016455901979-11-011980-10-3100016455901978-11-011979-10-3100016455901977-11-011978-10-3100016455901976-11-011977-10-3100016455901975-11-011976-10-3100016455901974-11-011975-10-3100016455901973-11-011974-10-3100016455901972-11-011973-10-3100016455901971-11-011972-10-3100016455901970-11-011971-10-3100016455901969-11-011970-10-3100016455901968-11-011969-10-3100016455901967-11-011968-10-3100016455901966-11-011967-10-3100016455901965-11-011966-10-3100016455901964-11-011965-10-3100016455901963-11-011964-10-3100016455901962-11-011963-10-3100016455901961-11-011962-10-3100016455901960-11-011961-10-3100016455901959-11-011960-10-3100016455901958-11-011959-10-3100016455901957-11-011958-10-3100016455901956-11-011957-10-3100016455901955-11-011956-10-3100016455901954-11-011955-10-3100016455901953-11-011954-10-3100016455901952-11-011953-10-3100016455901951-11-011952-10-3100016455901950-11-011951-10-3100016455901949-11-011950-10-3100016455901948-11-011949-10-3100016455901947-11-011948-10-3100016455901946-11-011947-10-3100016455901945-11-011946-10-3100016455901944-11-011945-10-3100016455901943-11-011944-10-3100016455901942-11-011943-10-3100016455901941-11-011942-10-3100016455901940-11-011941-10-3100016455901939-11-011940-10-3100016455901938-11-011939-10-3100016455901937-11-011938-10-3100016455901936-11-011937-10-3100016455901935-11-011936-10-3100016455901934-11-011935-10-3100016455901933-11-011934-10-3100016455901932-11-011933-10-3100016455901931-11-011932-10-3100016455901930-11-

[illegible]

[illegible]

[illegible]

[illegible]

gaap:AccumulatedDefinedBenefitPlansAdjustmentMember2023-10-310001645590us-gaap:AccumulatedTranslationAdjustmentMember2023-10-310001645590us-gaap:AccumulatedNetUnrealizedInvestmentGainLossMember2023-11-012024-10-310001645590us-gaap:AccumulatedGainLossNetCashFlowHedgeParentMember2023-11-012024-10-310001645590us-gaap:AccumulatedDefinedBenefitPlansAdjustmentMember2023-11-012024-10-310001645590us-gaap:AccumulatedTranslationAdjustmentMember2023-11-012024-10-310001645590us-gaap:AccumulatedNetUnrealizedInvestmentGainLossMember2024-10-310001645590us-gaap:AccumulatedGainLossNetCashFlowHedgeParentMember2024-10-310001645590us-gaap:AccumulatedDefinedBenefitPlansAdjustmentMember2024-10-310001645590us-gaap:AccumulatedTranslationAdjustmentMember2024-10-310001645590us-gaap:AccumulatedNetUnrealizedInvestmentGainLossMember2022-10-310001645590us-gaap:AccumulatedGainLossNetCashFlowHedgeParentMember2022-10-310001645590us-gaap:AccumulatedDefinedBenefitPlansAdjustmentMember2022-10-310001645590us-gaap:AccumulatedTranslationAdjustmentMember2022-10-310001645590us-gaap:AccumulatedNetUnrealizedInvestmentGainLossMember2022-11-012023-10-310001645590us-gaap:AccumulatedGainLossNetCashFlowHedgeParentMember2022-11-012023-10-310001645590us-gaap:AccumulatedDefinedBenefitPlansAdjustmentMember2022-11-012023-10-310001645590us-gaap:AccumulatedTranslationAdjustmentMember2022-11-012023-10-310001645590us-gaap:AccumulatedNetUnrealizedInvestmentGainLossMember2021-10-310001645590us-gaap:AccumulatedGainLossNetCashFlowHedgeParentMember2021-10-310001645590us-gaap:AccumulatedDefinedBenefitPlansAdjustmentMember2021-10-310001645590us-gaap:AccumulatedTranslationAdjustmentMember2021-10-310001645590us-gaap:AccumulatedNetUnrealizedInvestmentGainLossMember2021-11-012022-10-310001645590us-gaap:AccumulatedGainLossNetCashFlowHedgeParentMember2021-11-012022-10-310001645590us-gaap:AccumulatedDefinedBenefitPlansAdjustmentMember2021-11-012022-10-310001645590us-gaap:AccumulatedTranslationAdjustmentMember2021-11-012022-10-310001645590us-gaap:ConvertiblePreferredStockMember2024-09-012024-09-300001645590us-gaap:ConvertiblePreferredStockMember2024-09-100001645590us-gaap:ConvertiblePreferredStockMember2024-10-310001645590hpe:ConversionOnSeptember12027Memberus-gaap:ConvertiblePreferredStockMembersrt:MinimumMember2024-09-100001645590hpe:ConversionOnSeptember12027Memberus-gaap:ConvertiblePreferredStockMembersrt:MaximumMember2024-09-100001645590us-gaap:ConvertiblePreferredStockMembershpe:ConversionOnSeptember12027Member2024-09-100001645590hpe:ConversionBeforeSeptember12027Memberus-gaap:ConvertiblePreferredStockMembersrt:MinimumMember2024-10-010001645590hpe:ConversionBeforeSeptember12027Memberus-gaap:ConvertiblePreferredStockMembersrt:MaximumMember2024-10-010001645590us-gaap:SubsequentEventMember2024-12-052024-12-050001645590us-gaap:ConvertiblePreferredStockMember2024-08-012024-10-3100016455902015-10-130001645590hpe:ShareRepurchaseProgramMember2016-05-240001645590hpe:ShareRepurchaseProgramMember2017-10-160001645590hpe:ShareRepurchaseProgramMember2018-02-210001645590hpe:ShareRepurchaseProgramMember2023-11-012024-10-310001645590hpe:ShareRepurchaseProgramMember2022-11-012023-10-310001645590hpe:AcceleratedShareRepurchaseAgreementMember2023-11-012024-10-310001645590hpe:ShareRepurchaseProgramMember2021-11-012022-10-310001645590hpe:AcceleratedShareRepurchaseAgreementMember2022-11-012023-10-310001645590hpe:IndiaDirectorateOfRevenueIntelligenceProceedingsMember2010-04-302010-05-1000016455902010-04-302010-05-100001645590hpe:BangaloreCommissionerOfCustomsMember2012-04-110001645590hpe:BangaloreCommissionerOfCustomsMember2012-04-200001645590hpe:ECTMember2006-11-012008-10-3100016455902011-07-012011-07-310001645590hpe:ECTMembersrt:MaximumMember2011-09-012011-09-300001645590hpe:ECTMembersrt:MinimumMember2011-09-012011-09-300001645590hpe:Forsythetal.vstHPInc.andHewlettPackardEnterpriseMembersrt:MinimumMember2012-08-182012-08-180001645590hpe:Q3NetworkingLitigationMember2020-09-212020-09-220001645590us-gaap:IndemnificationGuaranteeMemberhpe:LitigationMattersAndOtherContingenciesMember2024-10-310001645590us-gaap:IndemnificationGuaranteeMemberhpe:LitigationMattersAndOtherContingenciesMember2023-10-310001645590hpe:TaxIndemnificationMember2024-10-310001645590hpe:TaxIndemnificationMember2023-10-310001645590hpe:H3CMember2022-12-300001645590hpe:H3CMemberhpe:AmendedAndRestatedPutSharePurchaseAgreementMember2024-05-240001645590hpe:H3CMemberhpe:SubsequentOptionAgreementMember2024-05-2400016455902024-09-040001645590hpe:H3CMember2024-10-310001645590hpe:H3CMember2023-10-310001645590hpe:H3CMember2023-11-012024-10-310001645590hpe:H3CMember2022-11-012023-10-310001645590us-gaap:EquityMethodInvesteeMemberhpe:H3CMember2023-11-012024-10-310001645590us-gaap:EquityMethodInvesteeMemberhpe:H3CMember2022-11-012023-10-310001645590us-gaap:EquityMethodInvesteeMemberhpe:H3CMember2021-11-012022-10-310001645590us-gaap:EquityMethodInvesteeMemberhpe:H3CMember2024-10-310001645590us-gaap:EquityMethodInvesteeMemberhpe:H3CMember2023-10-3100016455902024-08-012024-10-31Table of ContentUNITED STATESSECURITIES AND EXCHANGE COMMISSIONWashington, D.C. 20549FORM 10-K (Mark One)Ã A Ã A ANNUAL REPORT PURSUANT TO SECTIONÃ 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OFÃ 1934For the fiscal year ended October 31, 2024 OrÃ A TRANSITION REPORT PURSUANT TO SECTIONÃ 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OFÃ 1934For the transition period fromÃ A Ã A Ã A Ã A Ã A toÃ A Ã A Commission file numberÃ 001-37483 HEWLETT PACKARD ENTERPRISE COMPANY(Exact name of registrant as specified in its charter)DelawareÃ 47-3298624(State or other jurisdiction of incorporation or organization)Ã I.R.S. employeridentification no.)1701 East Mossy Oaks Road,Spring,Texas77389(Address of principal executive offices)(Zip code)(678)259-9860(Registrant's telephone number, including area code)

Securities registered pursuant to SectionÃ 12(b) of the Act:Title of each classTrading Symbol(s)Name of each exchange on which registeredCommon stock, par value \$0.01 per shareHPENew York Stock Exchange7.625% Series C Mandatory Convertible Preferred Stock, par value \$0.01 per shareHPEPRCNew York Stock ExchangeSecurities registered pursuant to SectionÃ 12(g) of the Act:NoneIndicate by check mark if the registrant is a well-known seasoned issuer as defined in RuleÃ 405 of the Securities Act. YesÃ x No Ã A Indicate by check mark if the registrant is not required to file reports pursuant to SectionÃ 13 or SectionÃ 15(d) of the Act. YesÃ A Ã A NoÃ xIndicate by check mark whether the registrant (1)Ã A has filed all reports required to be filed by SectionÃ 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12Ã months (or for such shorter period that the registrant was required to file such reports), and (2)Ã A has been subject to such filing requirements for the past 90Ã days. YesÃ x No Ã A Indicate by check mark whether the registrant has submitted electronically every Interactive Data File required to be submitted pursuant to Rule 405 of Regulation S-T (Ã 232.405 of this chapter) during the preceding 12Ã months (or for such shorter period that the registrant was required to submit such files). YesÃ x No Ã A Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, a smaller reporting company, or an emerging growth company. See the definitions of Ã large accelerated filer,Ã  Ã accelerated filer,Ã  Ã smaller reporting company,Ã  and Ã emerging growth companyÃ  in RuleÃ 12b-2 of the Exchange Act.Large accelerated filerÃ Ã Non-accelerated filerÃ Small reporting companyÃ Emerging growth companyÃ If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act.Ã A Indicate by check mark whether the registrant has filed a report on and attestation to its management's assessment of the effectiveness of its internal control over financial reporting under Section 404(b) of the Sarbanes-Oxley Act (15 U.S.C. 7262(b)) by the registered public accounting firm that prepared or issued its audit report. xlf securities are registered pursuant to Section 12(b) of the Act, indicate by check mark whether the financial statements of the registrant included in the filing reflect the correction of an error to previously issued financial statements. Ã A Indicate by check mark whether any of those error corrections are restatements that required a recovery analysis of incentive-based compensation received by any of the registrantÃ s executive officers during the relevant recovery period pursuant to AS240.10D-1(b). Ã A Indicate by check mark whether the registrant is a shell company (as defined in RuleÃ 12b-2 of the Act). YesÃ A Ã A NoÃ xThe aggregate market value of the registrant's common stock held by non-affiliates was \$21,985 million based on the last sale price of common stock on April 30, 2024.The number of shares of Hewlett Packard Enterprise Company common stock outstanding as of DecemberÃ 9, 2024 was 1,315,333,942 shares.DOCUMENTS INCORPORATED BY REFERENCEDOCUMENT DESCRIPTIONÃ 10-K PARTPortions of the Registrant's proxy statement related to its 2025 Annual Meeting of Stockholders to be filed pursuant to RegulationÃ 14A within 120Ã days after Registrant's fiscal year end of October 31, 2024 are incorporated by reference into PartÃ III of this Report.Ã A IIItable of Content Hewlett Packard Enterprise CompanyFormÃ 10-KFor the Fiscal Year ended OctoberÃ 31, 2024Table of ContentsÃ A PagePART IÃ ItemÃ 1.Business2ItemÃ 1A.Risk Factors16ItemÃ 1B.Unresolved Staff Comments36ItemÃ 1C.Cybersecurity36ItemÃ 2.Properties37ItemÃ 3.Legal Proceedings38ItemÃ 4.Mine Safety Disclosures38PART IIA ItemÃ 5.Market for Registrant's Common Equity, Related Stockholder Matters and Issuer Purchases of Equity Securities39ItemÃ 6. [Reserved]40ItemÃ 7.Management's Discussion and Analysis of Financial Condition and Results of Operations41ItemÃ 7A.Quantitative and Qualitative Disclosures about Market Risk66ItemÃ 8.Financial Statements and Supplementary Data67ItemÃ 9.Changes in and Disagreements with Accountants on Accounting and Financial Disclosure139ItemÃ 9A.Controls and Procedures139ItemÃ 9B.Other Information139Item 9C.Disclosure Regarding Foreign Jurisdictions that Prevent Inspections140PART IIIÃ ItemÃ 10.Directors, Executive Officers and Corporate Governance141ItemÃ 11.Executive Compensation141ItemÃ 12.Security Ownership of Certain Beneficial Owners and Management and Related Stockholder Matters141ItemÃ 13.Certain Relationships and Related Transactions, and Director Independence142ItemÃ 14.Principal Accounting Fees and Services142PART IVA ItemÃ 15.Exhibits and Financial Statement Schedules143Item 16.Form 10-K Summary149Signatures150Table of ContentForward-Looking Statements This Annual Report on Form 10-K, including Ã Management's Discussion and Analysis of Financial Condition and Results of OperationsÃ  in Item 7, contains forward-looking statements within the meaning of the safe harbor provisions of the Private Securities Litigation Reform Act of 1995. Such statements involve risks, uncertainties, and assumptions. If the risks or uncertainties ever materialize or the assumptions prove incorrect, the results of Hewlett Packard Enterprise Company and its consolidated subsidiaries (Ã Hewlett Packard EnterpriseÃ ) may differ materially from those expressed or implied by such forward-looking statements and assumptions. The words Ã believe,Ã  Ã expect,Ã  Ã anticipate,Ã  Ã intend,Ã  Ã will,Ã  Ã estimate,Ã  Ã may,Ã  Ã likely,Ã  Ã could,Ã  Ã shouldÃ  and similar expressions are intended to identify such forward-looking statements. All statements other than statements of historical fact are statements that should be deemed forward-looking statements, including but not limited to any anticipated financial or operational benefits associated with the segment realignment that became effective as of the beginning of the first quarter of fiscal 2024; any projections, estimations or expectations of addressable markets and their sizes, revenue (including annualized revenue run-rate), margins, expenses (including stock-based compensation expenses), investments, effective tax rates, interest rates, the impact of tax law changes and related guidance and regulations, net earnings, net earnings per share, cash flows, liquidity and capital resources, inventory, goodwill, impairment charges, hedges and derivatives and related offsets, order backlog, benefit plan funding, deferred tax assets, share repurchases, currency exchange rates, repayments of debts including our asset-backed debt securities, or other financial items; recent amendments to accounting guidance and any potential impacts on our financial reporting therefrom; any projections or estimations of orders, including as-a-service orders; any statements of the plans, strategies, and objectives of management for future operations, as well as the execution and consummation of corporate transactions or contemplated acquisitions (including but not limited to our proposed acquisition of Juniper Networks, Inc.) and dispositions (including disposition of our H3C shares and the receipt of proceeds therefrom), research and development expenditures, and any resulting benefits, cost savings, charges, or revenue or profitability improvements; any statements concerning the expected development, performance, market share, or competitive performance relating to products or services; any statements concerning technological and market trends, the pace of technological innovation, and adoption of new technologies, including artificial intelligence-related and other products and services offered by Hewlett Packard Enterprise; any statements regarding current or future macroeconomic trends or events and the impact of those trends and events on Hewlett Packard Enterprise and our financial performance, including but not limited to supply chain dynamics, demand for our products and services, and access to liquidity, and our actions to mitigate such impacts to our business; the scope and duration of outbreaks, epidemics, pandemics, public health crises, the ongoing conflicts between Russia and Ukraine and in the Middle East and the relationship between China and the U.S., and our actions in response thereto, and their impacts on our business, operations, liquidity and capital resources, employees, customers, partners, supply chain, financial results, and the world economy; any statements regarding future regulatory trends and the resulting legal and reputational exposure, including but not limited to those relating to environmental, social, governance, cybersecurity, data privacy, and artificial intelligence issues; any statements regarding pending litigation, investigations, claims, or disputes; any statements of expectation or belief; and any statements of assumptions underlying any of the foregoing. Risks, uncertainties, and assumptions include the need to address the many challenges facing Hewlett Packard Enterprise's businesses; the competitive pressures faced by Hewlett Packard Enterprise's businesses; risks associated with executing Hewlett Packard Enterprise's strategy; the impact of macroeconomic and geopolitical trends and events, including but not limited to heightened global trade restrictions, the use and development of artificial intelligence and the events described above; the need to effectively manage third-party suppliers and distribute Hewlett Packard Enterprise's products and services; the protection of Hewlett Packard Enterprise's intellectual property assets, including intellectual property licensed from third parties and intellectual property shared with its former parent; risks associated with Hewlett Packard Enterprise's international operations (including from public health crises, such as pandemics or epidemics, and geopolitical events, such as, but not limited to, those mentioned above); the development of and transition to new products and services and the enhancement of existing products and services to meet customer needs and respond to emerging technological trends; the execution of Hewlett Packard Enterprise's ongoing transformation and mix shift of its portfolio of offerings; the execution and performance of contracts by Hewlett Packard Enterprise and its suppliers, customers, clients, and partners, including any impact thereon resulting from macroeconomic or geopolitical events, such as, but not limited to, those mentioned above; the prospect of a shutdown of the U.S. federal government; the hiring and retention of key employees; the execution, integration, consummation, and other risks associated with business combination, disposition, and investment transactions, including but not limited to the risks associated with the disposition of H3C shares and the receipt of proceeds therefrom and completion of our proposed acquisition of Juniper Networks, Inc. and our ability to integrate and implement our plans, forecasts, and other expectations with respect to the consolidated business; the impact of changes to privacy, cybersecurity, environmental, global trade, and other governmental regulations; changes in our product, lease, intellectual property, or real estate portfolio; the payment or non-payment of a dividend for any period; the efficacy of using non-GAAP, rather than GAAP, financial measures in business projections and planning; the judgments required in connection with determining certain financial metrics; utility of segment realignments; allowances for recovery of receivables and warranty obligations; provisions for, and resolution of, pending litigation, investigations, claims, and disputes; the impacts of tax law changes and related guidance or regulations; and other risks that are described herein, including but not limited to the items discussed in Ã Risk FactorsÃ  in Item 1A of Part I of this report and that are otherwise described or updated from time to time in Hewlett Packard Enterprise's Quarterly Reports on Form 10-Q, Current Reports on Form 8-K, and in other filings made with the Securities and Exchange Commission. Hewlett Packard Enterprise assumes no obligation and does not intend to update these forward-looking statements, except as required by applicable law.1Table of ContentPART IITEM 1. BusinessWe are a global technology leader focused on developing intelligent solutions that allow customers to capture, analyze and act upon data seamlessly from edge to cloud. We enable customers to accelerate business outcomes by driving new business models, creating new customer and employee experiences, and increasing operational efficiency today and into the future. Our customers range from small-and-medium-sized businesses to large global enterprises and governmental entities. Our legacy dates back to a partnership founded in 1939 by William R. Hewlett and David Packard, and we strive every day to uphold and enhance that legacy through our dedication to providing innovative technological solutions to our customers. We use the terms Ã Hewlett Packard Enterprise,Ã  Ã HPE,Ã  Ã the Company,Ã  Ã we,Ã  Ã us,Ã  and Ã ourÃ  to refer to Hewlett Packard Enterprise Company.Our Strategy Over the last several years, new megatrends around edge, cloud, data, and artificial intelligence (Ã AIÃ ) have emerged to shape customer expectations for enterprise technology. First, data at the edge is increasing exponentially, driven by the proliferation of devices that require secure connectivity to enable reliable digital experiences. Second, enterprises need a cloud experience everywhere to manage data and workloads wherever they live across a distributed enterprise. Third, data growth is creating countless new opportunities to generate meaningful business insights. Finally, HPE is seeing a significant technology shift as customers realize the fundamental potential of AI technology to deliver business transformation. In concert with these trends, enterprises are consuming their technology differently. Increasingly, customers want to digitally transform while preserving capital and eliminating operating expense by paying only for the information technology (Ã ITÃ ) they use. The megatrends are ushering in long-lasting changes to IT, including accelerating hybrid multi-cloud adoption. Customers across industry verticals are interested in unifying all the applications and data with a consistent cloud experience.Customers also want to

better extract value from their growing stores of rapidly evolving data, knowing that actionable insights from data are critical to deliver business transformations. Data is becoming more unstructured, more time-sensitive, and more distributed. Frequently, data is siloed and spread across different multi-generational IT systems, often trapped in critical legacy architecture. Many organizations cannot adequately gain insights from their data at the edge or face cloud migration challenges because of their legacy applications. Customers need a data-first modernization approach across edge to data center to cloud.HPE has deployed an edge-to-cloud strategy that capitalizes on emergent megatrends and delivers a data-first modernization approach for customers. Our vision to be the edge-to-cloud company has led us to innovate our solutions across networking connectivity, cloud, and data, delivered as-a-service (â€œaaSâ€) through the HPE GreenLake cloud. We have shifted our mix of products and services, and how we deliver that mix to customers. HPE has evolved to a platform-based model, fueled by a portfolio richer in software and services. In hybrid cloud, we have redefined the cloud space by delivering an experience that is hybrid by design with our HPE GreenLake cloud as the centerpiece of our strategy; it accelerates multi-generation IT transformation through a unified cloud-native and AI-driven experience that empowers customers to access, analyze, and extract value from their data across public clouds, data centers, colocation facilities, and at the edge. The AI market requires a modern and high-performing networking fabric as a core foundation to deliver a more efficient data-center cloud, which we offer through our AI-driven portfolio of networking solutions. Our server business supports both traditional servers and those meant to enable AI workloads with decades of large-scale infrastructure expertise, including technologies like direct liquid cooling that are powering some of our largest AI systems. Our Financial Services (â€œFSâ€) business complements our solution offerings by helping customers unlock financial capacity. We recognize the AI market will be driven by computational capability, data-intensive workloads, and the need for specialized architecture; thus, we have been targeting, and continue to target three areas: supercomputing, AI infrastructure, and AI platform software. We seek to seize this AI market opportunity by innovating in networking, hybrid cloud and AI â€” which are all essential building blocks to deliver a unified technology experience. We believe that we are differentiated from our competition by our unique and compelling value proposition, which positions us to capture significant value from the growing AI market through our intellectual property portfolio, trusted expertise, and long-term sustained market leadership in supercomputing. The pending acquisition of Juniper Networks, Inc. (“Juniper Networks”) further supports the aforementioned strategies and enables us to execute on them. We believe this acquisition will accelerate our edge-to-cloud vision with a full networking IP stack: from silicon, to infrastructure, to the operating system, to security, to software and services, in a cloud-native and AI-2Table of Contentdriven approach. Furthermore, through this strategic acquisition, we seek to deliver secure, AI-driven networking solutions, which will be foundational to delivering fully integrated hybrid cloud and AI solutions.Our Business Segments, Products and Services Our operations are organized into five reportable business segments: Server, Hybrid Cloud, Intelligent Edge, Financial Services, and Corporate Investments and Other. The class of similar product categories within each segment which accounted for more than 10% of our consolidated net revenue in each of the past three years was as follows:â€¢Fiscal 2024 - Server products, Server services, Intelligent Edge products, Hybrid Cloud productsâ€¢Fiscal 2023 - Server products, Intelligent Edge products, Server services, Hybrid Cloud productsâ€¢Fiscal 2022 - Server products, Server services, Hybrid Cloud products, Intelligent Edge productsThe Company had two distributors which represented approximately 14% and 11% of the Company’s total net revenue in fiscal 2024, primarily within the Intelligent Edge and Server segments. A summary of our net revenue, earnings from operations and assets for our segments can be found in NoteÂ 2, â€¢Segment Information,â€¢to our Consolidated Financial Statements in Item 8 of Part II. A discussion of certain factors potentially affecting our operations is set forth in Item 1A of Part I, â€¢Risk Factors.â€¢ServerOur Server segment offerings consist of general-purpose servers for multi-workload computing and workload-optimized servers to deliver the high performance and value for demanding applications, and integrated systems comprised of software and hardware designed to address high-performance computing and supercomputing (including exascale applications), artificial intelligence, data analytics, and transaction processing workloads for government and commercial customers globally. This portfolio of products includes our secure and versatile HPE ProLiant Rack and Tower servers; HPE Synergy, a composable infrastructure for traditional and cloud-native applications; HPE Scale Up Servers product lines for critical applications, including large enterprise software applications and data analytics platforms; HPE Edgeline servers; HPE Cray EX; HPE Cray XD (formerly known as HPE Apollo); and HPE NonStop. Server offerings also include operational and support services sold with systems and as standalone services. Hybrid CloudThe Hybrid Cloud segment offers a wide variety of cloud-native and hybrid solutions across storage, private cloud and the infrastructure software-as-a-service (â€œSaaSâ€) space. Storage includes data storage and data management offerings with the HPE Alletra Storage portfolio; unstructured data solutions and analytics for AI; data protection and archiving; and storage networking. It also includes AIOps-driven intelligence with HPE InfoSight and HPE CloudPhysics. In private cloud, our Private Cloud Enterprise offerings include new cloud-native offerings and capabilities for virtual machines, containers, and bare metal; a full suite of private cloud offerings that enable customers to self-manage or choose a fully managed experience. In fiscal 2024, we launched a new offering, Private Cloud AI, that captures the emerging enterprise model fine-tuning, retrieval augmented generation and inference markets for AI solutions. Private Cloud AI is fully integrated, standardized offer that has been co-developed with AI market leader Nvidia, with the goal to provide an out of the box solution for enterprise AI. This segment also provides self-service private cloud on-demand with HPE GreenLake for Private Cloud Business Edition. Infrastructure software includes monitoring and observability for day two operations and beyond through our acquisition of OpsRamp and unified data access through our HPE Ezmeral Data Fabric and analytics suite, which helps move and transform data for use in AI and other applications. Hybrid Cloud segment also includes data lifecycle management and protection through our suite of offerings, including Zerto Disaster Recovery. Intelligent EdgeThe Intelligent Edge segment offers wired and wireless local area networks, campus, branch, and data center switching, software-defined wide-area-networks, private and public cellular network software, network security, and associated services that enable secure connectivity for businesses of any size. The HPE Aruba Networking product portfolio includes hardware products such as Wi-Fi access points, switches, and gateways. The HPE Aruba Networking software and services portfolio includes cloud-based management, network management, network access control, software-defined wide-area networking, network security, analytics and assurance, location services software, private and public cellular core software, and professional and support services, as well as aaaS and consumption models through the HPE GreenLake cloud for the Intelligent Edge portfolio of products. Intelligent Edge offerings are consolidated in the edge service platform, which takes a cloud-native approach that provides customers with a unified framework to meet their connectivity, security, and financial needs across campus, branch, data center, and remote worker environments. Upon closing of the pending acquisition of Juniper Networks, we expect to offer an even more comprehensive portfolio of networking solutions.3Table of ContentÂ Financial ServicesFinancial Services (â€œFSâ€) provides flexible investment solutions, such as leasing, financing, IT consumption, utility programs, and asset management services for customers that facilitate unique technology deployment models and the acquisition of complete IT solutions, including hardware, software, and services from Hewlett Packard Enterprise and others. FS also supports financial solutions for on-premise flexible consumption models, such as the HPE GreenLake cloud.Â Corporate Investments and Other Corporate Investments and Other includes the Advisory and Professional Services business, which primarily offers consultative-led services, HPE and partner technology expertise and advice, implementation services as well as complex solution engagement capabilities; the Communications and Media Solutions business, which primarily offers software and related services to the telecommunications industry; and Hewlett Packard Labs, which is responsible for research and development. Our Strengths We believe that we possess a number of competitive advantages that distinguish us from our competitors, including:â€¢Edge-to-cloud strategy and solutions uniquely solve customer challenges. As data grows and evolves, enterprises become increasingly distributed, and customers realize the potential in AI technology, HPEâ€™’s edge-to-cloud strategy is uniquely designed to enable customers to securely access, control, and maximize the value of all their workloads and data assets to accelerate business outcomes. The HPE GreenLake cloud is an open, secure, fully integrated platform that brings a unified experience across the edge, data center, colocation, and cloud. It is automated and easy to consume with capacity available to scale up and down on demand. It offers true pay per use consumption so customers only pay for what they use, and they can have the entire hybrid cloud experience managed for them through our HPE Managed Services offerings.â€¢Comprehensive portfolio. We have a distinctive and industry leading portfolio of edge-to-cloud solutions and capabilities to help accelerate our customers’ digital transformations and help them capture the opportunity that AI presents for their businesses. We combine our software-defined infrastructure and services capabilities to provide what we believe is the strongest portfolio of enterprise solutions in the IT industry. Our ability to deliver a comprehensive IT strategy and connect our customers’ data from edge to cloud, through our high-quality products and high-value consulting and support services in a single package, is one of our principal differentiators.â€¢Differentiated consumption-based IT solutions for a growing opportunity. Enterprises of all sizes are looking to digitally transform in order to develop next-generation cloud-native applications, create actionable insights from their data, and drive business growth, but they face many challenges including lack of in-house IT skills, limited budgets and options for financing, and lack of flexibility to choose the technology foundation that best meets their needs. Consumption-based IT offers solutions to these challenges by providing greater agility, which empowers people to shift from managing infrastructure to driving innovation by leveraging insights from their data, while also eliminating capital and operating expenses tied to infrastructure over-provisioning. HPE is distinctly differentiated in delivering a true consumption-based IT experience. â€¢Open platforms. The world is shifting from centralized and closed approaches in large data centers to a future of centers of data everywhere, which are highly decentralized and distributed. This shift demands a unified cloud platform that can put the agility and intelligence close to customers’â€” data sources to create real-time insights everywhere. We believe the cloud experience should be open and seamless across all our customers’ clouds, rather than requiring customers to be locked into a cloud stack. â€¢Multi-year innovation roadmap and strong balance sheet. We have been in the technology and innovation business for over 80 years. Our vast intellectual property portfolio and global research and development capabilities are part of a broader innovation roadmap designed to help organizations take advantage of the expanding amount of data available and leverage the latest technology developments such as cloud, artificial intelligence, supercomputing, and cybersecurity to drive business transformations now and in the future. We also have a strong balance sheet and liquidity profile that provide the financial flexibility and speed to take advantage of acquisition opportunities.â€¢Global distribution and partner ecosystem. We are experts in delivering innovative technological solutions to our customers in complex multi-country, multi-vendor, and/or multi-language environments. We have expansive go-to-market capabilities, including a large ecosystem of channel partners, which enables us to market and deliver our product offerings to customers located virtually anywhere in the world. Our HPE GreenLake cloud provides open cloud application programming interfaces to our partners, enabling them to better offer their unique solutions to customers. 4Table of Contentâ€¢Custom financial solutions. Through our FS segment, we help customers create investment capacity to accelerate their transformations by helping them free up capital, capture value from older assets, achieve sustainability goals, invest in new technologies aaaS, and weather financial volatility. FS is also an enabler of our consumption-based IT models by helping spread our upfront solution costs over the duration of the customer contract. Through FSâ€™ Technology Renewal Centers, we are helping customers achieve their own sustainability goals by refurbishing technology assets for reuse. â€¢Experienced leadership team. Our management team has an extensive track record of performance and execution. We are led by our President and Chief Executive Officer, Antonio Neri, who has proven experience in developing transformative business models, building global brands, and driving sustained growth and expansion in the technology industry. Mr. Neri’s experience includes more than 25 years combined at HPE and Hewlett-Packard Company (â€œHP Co.â€) in various leadership positions. Our senior management team has many years of experience in our industry and possesses extensive knowledge of and experience in the enterprise IT business and the markets in which we compete. Sales, Marketing, and Distribution We manage our business and report our financial results based on the segments described above. Our customers are organized by commercial and large enterprise groups, including business and public sector enterprises, and purchases of our products, solutions and services may be fulfilled directly by us or indirectly through a variety of partners, including:â€¢Resellers that sell our products and services, frequently with their own value-added products or services, to targeted customer groups;â€¢Distribution partners that supply our solutions to resellers;â€¢Original equipment manufacturers (â€œOEMsâ€)Â that integrate our products and services with their own products and services, and sell the integrated solution;â€¢Independent software vendors that provide their clients with specialized software products and often assist us in selling our products and services to clients purchasing their products;â€¢Systems integrators that provide expertise in designing and implementing custom IT solutions and often partner with us to extend their expertise or influence the sale of our products and services; andâ€¢Advisory firms that provide various levels of management and IT consulting, including some systems integration work, and typically partner with us on client solutions that require our unique products and services.The mix of our business conducted by direct sales or channel differs substantially by business and region. We believe that customer buying patterns and different regional market conditions require us to tailor our sales, marketing, and distribution efforts accordingly. We are focused on driving the depth and breadth of our coverage, in addition to identifying efficiencies and productivity gains, in both our direct and indirect businesses. This has resulted in a combined go-to-market model, in which we have a direct sales presence in a number of countries, while we sell and deliver our products, solutions, and services through a channel-only model in the remaining countries. In those countries where we have a direct sales presence, we follow a bifurcated sales operational model with separate go-to-market routes for high-velocity, transactional hardware sales, on the one hand and for services and solutions, on the other hand. Also, we typically assign an account manager to manage relationships across our business with large enterprise customers as well as with large public sector accounts. The account manager is supported by a team of specialists with product and services expertise. For other customers, our businesses collaborate to manage relationships with commercial resellers targeting smaller accounts, both in the commercial and public sector space.Manufacturing and Materials We utilize a significant number of outsourced and contract manufacturers around the world to manufacture products that we design. The use of outsourced and contract manufacturers is intended to generate cost efficiencies and reduce time to market for our products as well as create manufacturing flexibility in our supply chain and processes. In some circumstances, third-party OEMs produce products that we purchase and resell under our brand. In addition to our use of outsourced and contract manufacturers, we currently manufacture a limited number of finished products from components and subassemblies that we acquire from a wide range of vendors. Historically, we have utilized two primary methods of fulfilling demand for products: building products to order and configuring products to order. We build products to order to maximize manufacturing and logistics efficiencies by producing high volumes of basic product configurations. Alternatively, configuring products to order enables units to match a customer’s particular hardware and software customization requirements. Our inventory management and distribution practices in both building products to order and configuring products to order seek to minimize inventory holding periods by taking delivery of the inventory and manufacturing shortly before the sale or distribution of products to our customers.5Table of ContentWe purchase materials, supplies, and product subassemblies from a substantial number of vendors. For most of our products, we have existing alternate sources of supply or such alternate sources of supply are readily available. However, we do rely on single-source suppliers for certain customized parts (although some of these sources have operations in multiple locations in the event of a disruption) and a disruption or loss of a single-source supplier could delay production of some products. In some instances, our single-source suppliers (e.g., Intel and AMD as suppliers of certain x86 processors) are also the single-source suppliers for the entire market; disruptions with these suppliers would result in industry-wide dislocations and therefore would not disproportionately disadvantage us relative to our competitors.Like other participants in the IT industry, we ordinarily acquire materials and components through a combination of blanket and scheduled purchase orders to support our demand requirements for periods averaging 90 to 120 days. From time to time, we experience significant price volatility or supply constraints for certain components that are not available from multiple sources due to certain events taking place where our suppliers are geographically concentrated. When necessary, we are often able to obtain scarce components for somewhat higher prices on the open market, which may have an impact on our gross margin, but does not generally disrupt production. We also acquire component inventory in anticipation of supply constraints, or enter into longer-term pricing commitments with vendors to improve the priority, price, and availability of supply. See â€¢Risk Factorsâ€ in Item 1A of Part I of this Annual Report on Form 10-K under the heading â€¢We depend on third-party suppliers, and our financial results could suffer if we fail to manage our supplier relationships properly.â€¢We rely on proactive inventory buffering measures in order to position ourselves well for availability of those components. We intend to take additional inventory actions as appropriate in alignment to the market demand, and plan to continue leveraging strong partnerships and long-term agreements with our suppliers.Backlog Backlog represents the price of orders related to current or prior periods for which work has not been performed or goods have not been delivered as of the reporting period. Orders reflected in backlog are subject to adjustment, including as a result of re-bookings, cancellations and fulfillment issues, which may impact backlog. The adverse impact of the global pandemic on the supply chain has moderated, resulting in a more balanced supply-and-demand environment and improved component availability. Challenges in global logistics have mostly normalized despite some uncertainty related to regional conflicts and port labor disputes. Our overall demand pipeline has improved since the beginning of fiscal 2024 as customers have been digesting through their inventory. Even though demand across our AI product portfolio, including for high

performance graphics and accelerated processing units, continues to be somewhat uneven, due to the lumpiness of deals that can cause fluctuations quarter-to-quarter, AI systems demand in the midst of persisting data center space availability constraints continued to drive significant AI backlog. The supply and demand environment for GPUs continues to remain uneven as the market navigates transition to next generation GPUs. These dynamics have resulted in our inventory levels being elevated as compared to the fiscal year ended October 31, 2023, and we are closely monitoring inventory levels as the market navigates a transition to next-generation GPUs. International Our products and services are available worldwide. We believe geographic diversity allows us to meet demand on a worldwide basis for our customers, draws on business and technical expertise from a worldwide workforce, provides stability to our operations, provides revenue streams that may offset geographic economic trends, and offers us an opportunity to access new markets for maturing products. A summary of our domestic and international results is set forth in NoteÂ 2, "Segment Information," to our Consolidated Financial Statements in Item 8 of Part II. Approximately 64% of our overall net revenue in fiscal 2024 came from sales outside the United States. For a discussion of certain risks attendant to our international operations, see "Risk Factors" in Item 1A of Part I of this Annual Report on Form 10-K under the headings "Due to the international nature of our business, political or economic changes and the laws and regulatory regimes applying to international transactions or other factors could harm our future revenue, costs and expenses, and financial condition," and "We are exposed to fluctuations in foreign currency exchange rates." Quantitative and Qualitative Disclosure about Market Risk in ItemÂ 7A of Part II, and NoteÂ 13, "Financial Instruments," to our Consolidated Financial Statements in Item 8 of Part II. Table of Content Research and Development Innovation is a key element of our culture and critical to our success. Our research and development efforts ("R&D") are focused on designing and developing products, services, and solutions that anticipate customers' changing needs and desires and emerging technological trends. Our efforts also are focused on identifying the areas where we believe we can make a unique contribution and where partnering with other leading technology companies will leverage our cost structure and maximize our customers' experiences. Expenditures for R&D were \$2.2 billion in fiscal 2024, \$2.3 billion fiscal 2023, and \$2.0 billion in fiscal 2022. We anticipate that we will continue to have significant R&D expenditures in the future to support the design and development of innovative, high-quality products, services, and solutions to maintain and enhance our competitive position. Included in the R&D work currently taking place at the Company are the following initiatives: In Server, we are developing high-quality next-generation compute solutions that encompass servers, server-attached options, and software, integrating the latest industry technology and aligning with our customers' evolving needs. Furthermore, we are advancing our SaaS capabilities by creating cloud-native, cloud-based server management solutions to enhance our existing portfolio. In the high performance computing and AI sector, our investments are focused on pioneering leadership computing solutions that deliver superior performance and efficiency. These solutions feature leading edge silicon architectures, high-speed interconnects, advanced storage and innovative direct liquid cooling. Our R&D efforts in the realm of AI are particularly robust, with new server solutions designed for AI inference engines and integrated into larger HPE Private Cloud AI for inferencing, retrieval augmented generation, and model fine-tuning. Large-scale model training and tuning, including natural language processing, large language models, and multi-modal training for models with trillions of parameters are supported by our leading AI solutions. These efforts are bolstered by the development of high-performance computing tools, cloud-native and scalable cluster management software, and transaction processing software, which have been instrumental in achieving our milestone of delivering the world's first exascale supercomputer. In Hybrid Cloud, we are investing in a comprehensive portfolio of storage and private cloud technologies and capabilities that are focused on enabling customers to transform through the power of data and AI, modernize their IT infrastructure and simplify hybrid operations, delivering a cloud operational experience via the HPE GreenLake cloud. We continue to invest in the storage portfolio aligned with the customers evolving data and AI needs. We have extended the deployment model from on-premise and cloud-adjacent to include software-defined cloud native deployments in Amazon Web Services. In private cloud, we are developing fully integrated hardware-software offers that simplify day-to-day management, operations and data protection, enables an on-premise public-cloud like experience while addressing security, privacy, governance, and regulatory compliance needs. The investment includes airgapped/disconnected offers and offers for heavy data traffic and latency requirements at the edge. In the AI space, we have invested in building turn-key integrated systems co-engineered with Nvidia that integrate HPE AI hardware and software technologies with Nvidia technologies to radically increase time to value of GenAI capabilities optimized for inferencing, retrieval augmented generation, and model fine-tuning. We have expanded our cloud observability and orchestration capabilities and virtualization options through the acquisitions of OpsRamp (observability) and Morpheus (orchestration), extending our ability to simplify IT complexity in multi-cloud and multi-vendor environments. Finally, we have been rapidly developing an enterprise-grade hypervisor for virtual machines, along with the ability to manage cloud-native applications using containerization, or specialized workload needs with bare metal as a service. In Intelligent Edge, we are investing in a broad portfolio of networking and security capabilities, addressing remote, branch, campus, data center, and cloud use cases. We are expanding our wireless access portfolio to include new Wi-Fi (e.g., Wi-Fi 7) and private cellular (4G, LTE, and 5G) products to complement our existing portfolio. We have expanded our security capabilities with last year's acquisition of Secure Service Edge ("SSE") provider Axis Security and delivering stand-alone SSE, and integrating security with our software-defined wide area network ("SD-WAN") capabilities to deliver a single-vendor Secure Access Services Edge solution. In our Ethernet Switch portfolio, we are investing in new Data Center Networking platforms and features to expand our total addressable market to complement the campus and branch segment. We leverage the HPE GreenLake cloud to provide consistent access to ouraaS capabilities and enable new business models, including network-as-a-service. We also are investing in automation, machine learning, and AI-based network operations to optimize user experience and improve operator efficiency, as exemplified by our cloud-native Aruba Central cloud service, which is expected to provide manageability across our entire portfolio, including Wireless LAN, Ethernet switching, SD-WAN, and security. In Hewlett Packard Labs, we are focused on disruptive innovation and applied research in collaboration with other HPE business groups to deliver differentiated intellectual property. Our innovation agenda is focused on developing technologies in the areas of system architecture, networking, AI, sustainability, edge-to-cloud, quantum computing, and sustainability. We also continue to invest in our silicon design capability to accelerate the development and delivery of our technology. Table of Content For a discussion of risks attendant to our R&D activities, see "Risk Factors" in Item 1A of Part I of this Annual Report on Form 10-K under the heading "We cannot successfully execute our go-to-market strategy, including offering our entire portfolio as aS, our business, operating results, and financial performance may suffer." Patents Our general policy is to seek patent protection for those inventions likely to be incorporated into our products and services or where obtaining such proprietary rights will improve our competitive position. As of OctoberÂ 31, 2024, our worldwide patent portfolio included approximately 13,000 issued and pending patents. Patents generally have a term of up to 20 years from the date they are filed. As our patent portfolio has been built over time, the remaining terms of the individual patents across our patent portfolio vary. We believe that our patents and patent applications are important for maintaining the competitive differentiation of our products and services, enhancing our freedom of action to sell our products and services in markets in which we choose to participate, and maximizing our return on research and development investments. No single patent is in itself essential to our company as a whole or to any of our business segments. In addition to developing our patent portfolio, we license intellectual property from third parties as we deem appropriate. We have also granted and continue to grant to others licenses and other rights under our patents when we consider these arrangements to be in our interest. These license arrangements include a number of cross-licenses with third parties. For a discussion of risks attendant to intellectual property rights, see "Risk factors" in Item 1A of Part I of this Annual Report on Form 10-K under the headings "Our financial performance may suffer if we cannot continue to develop, license or enforce the intellectual property rights on which our businesses depend" and "Our products and services depend in part on intellectual property and technology licensed from third parties." Seasonality From time to time, the markets in which we sell our products, services, and solutions experience weak economic conditions that may negatively affect sales. We experience some seasonal trends in the sale of our products and services. For example, European sales are often weaker in the summer months. See "Risk factors" in Item 1A of Part I of this Annual Report on Form 10-K under the heading "Our uneven sales cycle and supply chain disruptions make planning and inventory management difficult and future financial results less predictable." Competition We have a broad technology portfolio of enterprise IT infrastructure products, solutions, and services which includes ouraaS offerings. We encounter strong competition in all areas of our business. We compete primarily on the basis of technology, innovation, performance, price, quality, reliability, brand, reputation, distribution, range of products and services, ease of use of our products, account relationships, customer training, service and support, security, and the availability of our IT infrastructure offerings. The markets in which we compete are characterized by strong competition among major corporations with long-established positions and a large number of new and rapidly growing firms. Most product life cycles are relatively short, and to remain competitive we must develop new products and services, continuously enhance our existing products and services and compete effectively on the basis of the factors listed above, among others. In addition, we compete with many of our current and potential partners, including OEMs that design, manufacture, and market their products under their own brand names. Our successful management of these competitive partner relationships is critical to our future success. Moreover, we anticipate that we will have to continue to adjust prices on many of our products and services to stay competitive. The competitive environments in which our segments operate are described below: Server business operates in the highly competitive enterprise data center infrastructure market and the markets for data-intensive high performance supercomputing, analytics, and artificial intelligence infrastructure solutions, which are characterized by rapid and ongoing technological innovation. Our primary competitors in data center infrastructure are technology vendors, such as Dell Technologies Inc., Super Micro Computer, Inc., Cisco Systems, Inc., Lenovo Group Ltd. In certain regions, we also experience competition from local companies and from generically branded or "white-box" manufacturers. Our primary competitors in high performance infrastructure include technology vendors that can design and build solutions that deliver performance scalability and connectivity necessary to handle super-compute and AI workloads, including Dell Technologies Inc., Super Micro Computer, Inc., Lenovo Group Ltd., Fujitsu Network Communications, Inc., and Atos Information Technology Incorporated. In our software platform for AI model development and deployment, we both compete and cooperate with cloud service providers and start-up companies that deliver platforms for AI model training, tuning, and inferencing. Our strategy is to deliver superior products, high-value technology support services, and differentiated Table of Content integrated solutions that combine our infrastructure, software, and services capabilities. Our competitive advantages include our broad end-to-end solutions portfolio, supported by our strong intellectual property portfolio and research and development capabilities, coupled with our global reach and partner ecosystem. Hybrid Cloud is our private cloud services solutions business consisting of HPE's GreenLake and Storage solutions, and associated private cloud software offerings. Hybrid cloud solutions enable HPE to take care of the infrastructure, so customers can focus on managing workloads and fostering innovation. Our primary competitors are other infrastructure and cloud management software technology vendors, such as Broadcom/VMware, Cisco Systems Inc., Dell Technologies Inc., IBM, NetApp Inc., Nutanix, and Pure Storage and public cloud vendors like Amazon Web Services, Google Cloud, and Microsoft Azure. Our strategy is to deliver a secure and scalable cloud-like experience across any app or mission-critical workload "traditional or cloud-native. Intelligent Edge operates in the highly competitive networking and connectivity infrastructure market, which is characterized by rapid and ongoing technological innovation and price competition. Our primary competitors are technology vendors, such as Cisco Systems, Inc., Extreme Networks, Inc., Arista Networks Inc, Palo Alto Networks, Fortinet, Juniper Networks, Ruckus Networks, and Ubiquiti and networking-as-a-service vendors such as Nile and Meter. Our strategy is to deliver superior enterprise wired and wireless local-area, wide-area and data-center networking components and software, routing technology, high-value technology support services, and differentiated integrated solutions that combine our infrastructure, software, and services capabilities. Our competitive advantage includes our broad end-to-end solutions portfolio, supported by our strong intellectual property portfolio and research and development capabilities, coupled with our global reach and partner ecosystem. Financial Services. In our financing business, our primary competitors are captive financing companies, such as IBM Global Financing, Dell Financial Services, and Cisco Capital, as well as banks and other financial institutions. Our primary IT Asset Disposition ("ITAD") competitors are ERI, Ingram Micro, Sage Sustainable Electronics, and Sims Recycling Solutions. We believe our competitive advantage over banks, other financial institutions, and ITAD providers is our ability to bring together our investment solutions with our expertise in managing technology assets. Not only are we able to deliver investment solutions that help customers create unique technology deployments based on specific business needs, but we also help them extract value from existing IT investments while more efficiently managing the retirement of those assets. All of these solutions can help customers accelerate digital transformation, create new budget streams, and meet Circular Economy objectives. For a discussion of certain risks attendant to these competitive environments, see "Risk factors" in Item 1A of Part I of this Annual Report on Form 10-K under the heading "We operate in an intensely competitive industry, and competitive pressures could harm our business and financial performance." Human Capital Resources At HPE we are united by our purpose, which is to advance the way people live and work. We believe technology "s greatest promise lies in its potential for positive change. This is the guidepost for each decision we make at HPE. We believe it not only helps guide our contribution to society, but also makes good business sense. Our company strives to be an engine of innovation, and our approximately 61,000 employees as of OctoberÂ 31, 2024, are proud of the ways our technology enables our customers to achieve meaningful outcomes like curing disease, modernizing farming, addressing world-hunger, and democratizing transportation through autonomous vehicles. Our Culture - We recognize the importance of talent and culture to the success of HPE and our ability to fulfill our purpose. We have identified four key cultural beliefs that guide how we lead on a daily basis: accelerating what "s next, bold moves, the "power of yes we can," and being a force for good. We embed these beliefs in a deep-rooted DNA that puts customers first, enabling us to partner, innovate, and act with integrity. HPE has remained committed to its focus on internalizing these values into a vibrant culture that creates a superior team member experience and a highly engaged workforce, driving improvements across our communications, our reward programs, our talent/performance programs, and our work environment. Through such efforts, we aim to foster a collaborative, inclusive, and inspiring experience for all our team members and to make HPE a destination for talent while driving high-performance and growth opportunities for our team members, and innovation and excellence for our customers. In the midst of the above, we continually seek feedback from our team members to better understand and improve their experiences and identify opportunities to continually strengthen our culture. Diversity, Equity, and Inclusion - At HPE, we are committed to cultivating a diverse and inclusive workplace. By fostering a culture where our people can freely contribute their perspectives, ideas, and experiences, we can fuel innovation, drive transformational changes, and be a force for good by harnessing the potential of our technologies and our team members. In 2024, we continued to advance our global approach of enhancing the composition of our workforce, by selecting regional leaders responsible for engaging team members, core human resources professionals, business stakeholders, and external Table of Content partners to identify areas of focus to advance unconditional inclusion. We also expanded our voluntary, and confidential self-identification program, "Count me in. I belong," from the US, Puerto Rico and the U.K. to include Mexico, Brazil, Costa Rica, Colombia and India for the first time. We continue to develop new and inclusive pipelines of talent in science, technology, engineering, and math ("STEM") professions through our dedicated HPE STEM Discovery Program. This program equips and enables HPE team members to serve as STEM education and digital inclusion volunteers in their local communities, exposing learners to cutting-edge technology and raising awareness about careers in technology. The Diversity, Equity, and Inclusion Voice of the Workforce index within our annual global engagement survey continued to reveal strong engagement scores across our ethnically diverse and female team members. Our Board, Chief Executive Officer ("CEO"), and Executive Committee model high standards for our efforts to drive an unconditionally inclusive environment and oversee efforts throughout the Company leadership to continuously develop their inclusive leadership acumen. Talent - We are dedicated to attracting, developing, and retaining top talent through substantial investment. Our commitment extends to all career stages. We establish transparent goals, promote accountability, and continuously evaluate and nurture talent. About 95% of employees engaged in HPE's "My Success Plan" program, which entails quarterly 1:1 conversations with leaders, centered on performance, progress, and career aspirations. The dynamic nature of our industry allows team members to thrive in their current roles while acquiring new skills. Over the past year, our approximately 61,000 team members completed over 821,000 online and instructor-led courses across various categories, including leadership, inclusion and diversity, professional skills, technical training, and compliance. We are particularly focused on identifying and cultivating the next generation of exceptional leaders, emphasizing technical expertise. Our annual talent and succession review, conducted with our CEO and Executive Committee, aims to accelerate talent development, enhance succession pipelines, and improve diversity in our key positions. Pay Equity - We believe people should be paid equitably for what they do and how they do it, regardless of their gender, race, or other personal characteristics. We maintain policies to promote equal pay, and we regularly review our global pay practices with an aim to pay team members in similar roles and locations commensurately with their experience and responsibilities. We partner with independent third-party experts to conduct annual pay assessments and identify unexplained gaps between our present state and our goal of equitable pay treatment for all team members. Where these reviews identify such gaps at a country-wide level, we adjust compensation to eliminate the gap. As

a result of our efforts, our most recent pay equity review demonstrated that we have achieved pay parity for base compensation and bonus targets between male and female team members in the U.S. (including among underrepresented ethnicities), and a dozen additional countries throughout the world, when accounting for job title, time-in-role, experience, and location. We conduct a number of compensation analyses in other countries to provide competitive and equitable pay. Work That Fits Your Life - This global initiative, which was launched in 2019, is an important example of how HPE is investing in our culture and creating a team member experience that aims to make HPE a destination of choice for the best talent in the industry. It includes an industry-leading paid parental leave program (minimum 6 months), part-time work opportunities for new parents or team members transitioning to retirement, and a Wellness Fridaysa that allows team members a full Friday off four times per year to focus on their well-being. The HPE Global Wellness Program is a comprehensive program that promotes overall health and well-being by providing team members with programs and resources that offer flexibility built around team member needs while continuing to deliver on critical business results. The program consists of four pillars: physical health, financial well-being, mental and emotional health, and community well-being. Additionally, we offer a hybrid work environment for the majority of our team members, encouraging two days in the office per week for collaboration.Total Rewards - HPE requires a uniquely talented workforce and is committed to providing total rewards that are market-competitive and performance based, designed to drive innovation and operational excellence. Our compensation programs, practices, and policies reflect our commitment to reward short- and long-term performance that aligns with, and drives stockholder value. Total direct compensation is generally positioned within a competitive range of the market median, with differentiation based on tenure, skills, proficiency, and performance to attract and retain key talent.Board Oversight - Our Board of Directors oversees our human capital management strategy and programs. Our HR and Compensation Committee provides oversight of our human resources and workforce management programs, including but not limited to those related to corporate culture; compensation plans and policies; diversity and inclusion; and talent acquisition, development, and retention.HPEa's strong and healthy culture is critical to accelerating whata's next for our customers and partners a and the success of our company. We believe that a workforce that is energized and more engaged will fuel our ability to pivot and grow, which will, in turn, power the next chapter at Hewlett Packard Enterprise.10Table of ContentEnvironmental Sustainability Living Progress is our business strategy for creating sustainable and responsible IT solutions that meet the technology demands of the future, while advancing the way people live and work. Anchored to our edge-to-cloud offerings and bolstered by our sustainability credentials, our Living Progress strategy provides us with a competitive advantage in the market as we help our customers achieve not only their business objectives, but also their IT sustainability goals. A legacy of sustainability leadership supports talent acquisition and retention and enables ongoing access to global markets. The HPE Board of Directors, including through its committees, provides oversight of our Living Progress strategy, risks, practices, policies, and disclosures, to support integration with our core business strategy. Sustainability performance is a core business discipline within HPE. HPE aims to become a net-zero enterprise by 2040, with interim targets set across our value chain for 2030. These climate targets are approved by the Science Based Target initiative and align with the latest climate science. Our commitment is supported by our Net-Zero Roadmap, which defines the levers we plan to prioritize to enable us to deliver on our near- and long-term carbon emissions reduction targets and outlines key assumptions with respect to our reduction targets.In 2024, the majority of our greenhouse gas emissions resulted from our customers' use of our products and solutions. We recognize the opportunity to innovate technologies for a carbon-constrained world and are committed to delivering products and solutions that empower our customers to reduce the carbon footprints of their IT estates while also gaining maximum productivity from their IT investments and reducing costs. For instance, the latest generation of HPE ProLiant Gen 11 Servers enables customers to consolidate and grow compute capabilities while lowering the cost of power, cooling, floor space, and licensing. To enable market access across the globe and aid customers in selecting more sustainable IT solutions, many of our products are certified by eco-labels such as Electronic Product Environment Assessment Tool, Energy STAR, China SEPA and the China Energy Conservation Program. Supply Chain Responsibility and Human Rights We manage our supply chain to help reduce risk, improve product quality, achieve environmental and social goals, and improve overall performance and value creation for our customers, partners, and suppliers. We are conscious of the importance of the responsible use of our products. In an effort to prevent intended and unintended harm, we continue to consider who purchases our offerings and how they are used by, among other things, limiting features, including responsible use clauses, monitoring for risk of alternate end uses, and promoting deployment of AI with safeguards, such as user training and ongoing checks and refinement to mitigate bias and improve accuracy.Human rights principles are embedded in how we do business, and we are committed to holding our entire value chain to high ethical standards that respect such principles. We have processes in place to enable the early detection of forced labor and have implemented due diligence procedures to monitor and help prevent human rights violations or abuses at our suppliers and in our operations. Additionally, through our Responsible Minerals Program, we work to advance the responsible sourcing of minerals used in our products and within our supply chain.Our commitment to diversity, equity, and inclusion extends beyond our workforce and to our suppliers, as well. We believe a diverse supply chain and equity in sourcing not only creates opportunities for underrepresented and underserved communities, but also contributes to the resiliency of our supply chain and of our communities.We are also committed to the responsible and ethical development and deployment of new technologies to advance how we live and work, and we continue to build on our existing responsible development work, particularly in relation to AI. We have an executive level AI Ethics Responsibility Committee and an operational AI Ethics Working Group, through which we aim to align the development, deployment, and use of AI with HPE's AI Ethical Principles, promoting privacy-enabled and secure, human focused, inclusive, robust, and responsible use of AI. In 2022, we refined our approach to assessing ethical AI and rolled out AI Ethical Principles training. In 2023, we further advanced this initiative by launching three new sub-committees to help us operationalize our principles for: Products (AI we develop), Processes (AI we source to use), and Partnerships (AI we source to incorporate into our solutions). In 2024, we rolled out a broader AI Governance model and developed tools to drive efficiency in the AI ethics assessment process.While the HPE Board of Directors and all of its committees take an integrated, rather than siloed, approach to providing oversight of Living Progress matters, including environmental sustainability, supply chain responsibility, and human rights, our Nominating, Governance and Social Responsibility Committee is primarily responsible for oversight of our broader Living Progress strategy, initiatives, risks, and policies.11Table of ContentMaterial Government Regulations Our business activities are subject to various federal, state, local, and foreign laws and our products and services are governed by a number of rules and regulations. Costs and accruals incurred to comply with these governmental regulations are presently not material to our capital expenditures, results of operations and competitive position. Although there is no assurance that existing or future government laws applicable to our operations, services or products will not have a material adverse effect on our capital expenditures, results of operations and competitive position, we do not currently anticipate material expenditures for government regulations. Nonetheless, as discussed below, we believe that global trade and certain environmental regulations could potentially materially impact our business.Environment Our products and operations are, or may in the future be, subject to various federal, state, local, and foreign laws and regulations concerning the environment, including, among others, laws addressing the discharge of pollutants into the air and water; supply chain due diligence, and sustainability, environment and emissions-related reporting; the management, movement, and disposal of hazardous substances and wastes and the clean-up of contaminated sites; product compliance and safety, such as reparability, chemical composition, packaging and labeling; energy consumption of our products and services; and the manufacture and distribution of chemical substances. We proactively evaluate, and at times replace materials in our products and supply chain, taking into account, among other things, published lists of substances of concern, new and upcoming legal requirements, customer preferences and scientific analysis that indicates a potential impact to human health or the environment. We are also subject to legislation in an increasing number of jurisdictions that makes producers of electrical goods, including servers and networking equipment, subject to certain reparability requirements or financially responsible for specified collection, recycling, treatment, and disposal of past and future covered products (sometimes referred to as a product take-back legislationa). We are also subject to standards set by public and private entities related to sustainability issues such as energy consumption, carbon emissions, reusing or recycling. Finally, as climate change and other environmental-related laws, regulations, treaties, and similar initiatives and programs are adopted and implemented throughout the world, we will be required to comply or potentially face market access limitations or other sanctions, including fines. In the event our products are impacted by these laws or standards, our products could be restricted from entering certain jurisdictions or from being procured by certain governments or private companies, and we could face other sanctions, including fines. However, we believe that technology will be fundamental to finding solutions to achieve compliance with and manage those requirements, and we are collaborating with industry, business groups and governments to find and promote ways that our technology can be used to address climate change and other environmental-related issues, and to facilitate compliance with related laws, regulations and treaties. We are committed to maintaining compliance with all environmental and environmental-related laws applicable to our operations, products and services, and to reducing our environmental impact across all aspects of our business. We support this commitment with a range of comprehensive policies, including relating to environmental, health and safety, climate, water, and electronic waste; a strict environmental management of our operations and worldwide environmental programs and services; an extensive supply chain responsibility program; and an approach to ethical standards and strong governance that are the foundations of our business.Global Trade As a global company, the import and export of our products and services are subject to laws and regulations including international treaties, U.S. export controls and sanctions laws, customs regulations, and local trade rules around the world. Such laws, rules, and regulations may delay the introduction of some of our products or impact our competitiveness through restricting our ability to do business in certain places or with certain entities and individuals, or the need to comply with domestic preference programs, laws concerning transfer and disclosure of sensitive or controlled technology or source code, unique technical standards, localization mandates, and duplicative in-country testing and inspection requirements. The consequences of any failure to comply with domestic and foreign trade regulations could limit our ability to conduct business globally. We continue to support open trade policies that recognize the importance of integrated cross-border supply chains that will continue to contribute to the growth of the global economy and measures that standardize compliance for manufacturers to ensure that products comply with safety and security requirements. For a discussion of the risks associated with government regulations that may materially impact us, see aRegulatory and Government Risksa within aRisk Factorsa in Item 1A of Part I. Additional InformationThis Annual Report on Form 10-K may include trademarks and trade names owned by other parties, and all other such trademarks and trade names mentioned in this Annual Report on Form 10-K are the property of their respective owners.12Table of ContentInformation about our Executive Officers The following are our current executive officers:NameAgePositionAntonio Neri57President and Chief Executive OfficerMarie Myers56Executive Vice President, Chief Financial OfficerJohn F. Schultz60Executive Vice President, Chief Operating and Legal OfficerKristin Major52Executive Vice President and Chief People OfficerGerrit A. Gold66Executive Vice President, President and Chief Executive Officer, HPE Financial ServicesFidelm Russo61Executive Vice President, Chief Technology Officer, and General Manager of Hybrid CloudNeil B. MacDonald56Executive Vice President, General Manager of ServerPhilip J. Mottram56Executive Vice President, General Manager of Intelligent EdgeJeremy K. Cox47Senior Vice President, Corporate Controller, Chief Tax Officer, and Principal Accounting Officer Kirt P. Karros55Senior Vice President, Treasurer and Financial Planning & AnalysisAntonio Neri; President and Chief Executive OfficerMr.A Neri has served as our President and Chief Executive Officer since June 2017 and February 2018, respectively. Previously, he served as Executive Vice President and General Manager of our Enterprise Group from November 2015 to June 2017. Prior to that, Mr.A Neri served in a similar role for HP Co.'s Enterprise Group from October 2014 to November 2015. Mr.A Neri served as Senior Vice President and General Manager of the HP Servers business unit from September 2013 to October 2014 and concurrently as Senior Vice President and General Manager of the HP Networking business unit from May 2014 to October 2014. Prior to that, he served as Senior Vice President and General Manager of the HP Technology Services business unit from August 2011 to September 2013 and as Vice President, Customer Services for the HP Personal Systems Group from 2007 to August 2011, having first joined HP Co. in 1996. Since December 2017, Mr. Neri has served as a director of Elevance Health, Inc. (formerly Anthem, Inc.), a health insurance provider in the U.S. Marie Myers; Executive Vice President, Chief Financial OfficerMs.A Myers has served as our Executive Vice President, Chief Financial Officer since January 2024, responsible for leading all aspects of our finance and strategy organizations. She partners closely with the CEO to develop and execute the long-term strategy for the Company. Prior to that, she served as the Chief Financial Officer of HP Inc. from February 2021 to January 2024, as well as numerous other leadership positions at HP Inc.: Interim Chief Financial Officer from October 2020 to February 2021, Chief Transformation Officer from June 2020 to February 2021, and Chief Digital Officer from March 2020 to October 2020. Prior to that, she served as Chief Financial Officer of UiPath, Inc., a robotic process automation company, from December 2018 to December 2019.John F. Schultz; Executive Vice President, Chief Operating and Legal OfficerMr.A Schultz has served as our Executive Vice President, Chief Operating and Legal Officer since July 2020, responsible for overseeing all aspects of our operations and shaping our operational strategies. Prior to that, he served as Executive Vice President, Chief Legal and Administrative Officer and Secretary from December 2017 to July 2020 and as Executive Vice President, General Counsel and Secretary from November 2015 to December 2017, performing a similar role at HP A Co. from April 2012 to November 2015. Prior to that, Mr. Schultz served as Deputy General Counsel for Litigation, Investigations and Global Functions at HP A Co. from September 2008 to April 2012 and as a partner in the litigation practice at Morgan, Lewis & Bockius A LLP, a law firm, where, among other clients, he supported HP A Co. as external counsel on a variety of litigation and regulatory matters.Kristin Major; Executive Vice President and Chief People OfficerMs.A Major has served as our Executive Vice President, Chief People Officer since February 2024, leading the global HR function, driving business growth and transformation through employee engagement; performance-led talent management; comprehensive rewards; and culture development. Prior to that, she served as Chief Talent Officer from March 2023 to January 2024, as Senior Vice President, Human Resources from January 2020 to March 2023, and as Senior Vice President, Deputy General Counsel of Global Functions and Security from December 2011 until January 2020. Before joining Hewlett Packard 13Table of ContentEnterprise, she served as a counsel in the labor and employment practice at Skadden, Arps, Slate, Meagher & Flom LLP, a law firm. Gerri A. Gold; Executive Vice President, President and Chief Executive Officer, HPE Financial ServicesMs. Gold has served as Executive Vice President, President and Chief Executive Officer of HPE Financial Services since February 2023. In this role, she leads HPE Financial Services, the global financing and asset managementA organization that supports HPEa's edge-to-cloud strategy, and helps customers and partners accelerate their transformation. From May 2018 to February 2023, she served as the Senior Vice President and Chief Operating Officer of HPE Financial Services, and from AugustA 2015 to May 2018, as the Vice PresidentA Global Accounts, Sales, Marketing and Managing Director Asset Management of HPE Financial Services. Fidelm Russo; Executive Vice President, General Manager of Hybrid Cloud and Chief Technology OfficerMs. Russo has served as our Executive Vice President, General Manager of our Hybrid Cloud business segment, and Chief Technology Officer since November 2023. Prior to that, Ms. Russo served as Executive Vice President, Chief Technology Officer from September 2021 to October 2023. Prior to joining Hewlett Packard Enterprise, Ms. Russo was Senior Vice President and General Manager of the Cloud Services business unit at VMware from May 2020 to September 2021 and the Chief Technology Officer and Executive Vice President of Global Technology & Operations at Iron Mountain, Inc. from March 2017 to May 2020. Additionally, Ms. Russo has served on the board of directors at Equinix, Inc. as a member of its audit committee since 2022. Neil B. MacDonald; Executive Vice President, General Manager of ServerMr. MacDonald has served as Executive Vice President and General Manager of our Server business since February 2024, responsible for overseeing the day-to-day operations and shaping the strategy of the Server business unit. Prior to that, he served as Executive Vice President and General Manager of our Compute business from March 2022 to January 2024, as Senior Vice President and General Manager of our Compute business from February 2020 to March 2022, and as Senior Vice President and General Manager of the Compute Solutions group of the then Hybrid IT business segment, from November 2018 to February 2020. Philip J. Mottram; Executive Vice President, General Manager of Intelligent EdgeMr. Mottram has served as Executive Vice President and General Manager of our Intelligent Edge business since March 2022. Previously, he served as the President of our Intelligent Edge business from June 2021 to March 2022. Prior to that, Mr. Mottram served as Senior Vice President and General Manager of the Communications Technology Group from April 2019 to June 2021. Before joining Hewlett Packard Enterprise, he served as the Chief Revenue Officer of Zayo Group, a communications infrastructure provider, from November 2017 to February 2019, where he was responsible for all customer-facing functions. Prior to that, Mr. Mottram served as Director of the Enterprise Business Unit of Vodafone from May 2014 to November 2017, the Chief Executive Officer of Hong Kong CSL from September 2012 to May 2014, and Executive Director of Global Sales at Telstra International from September 2010 to September 2012, as well as a variety of different operational roles at other telecommunications companies.Jeremy K. Cox; Senior Vice President, Corporate Controller, Chief Tax Officer, and Principal Accounting Officer Mr. Cox has served as our Senior Vice President, Corporate Controller, Chief Tax Officer, and Principal Accounting Officer since January 2024. Prior to that, he served as Senior Vice President, Interim Chief Financial Officer, Corporate Controller, Chief Tax Officer, and Principal Accounting Officer from August 2023 to January 2024, as Senior Vice President, Corporate Controller, Chief Tax Officer, and Principal Accounting Officer from July 2022 to August 2023, as Senior Vice

President, Global Tax and Head of Products and Services Finance from May 2021 to July 2022, and as Senior Vice President, Global Tax, Financial Planning and Analysis, and Global Functions Finance from November 2018 to May 2021, among numerous other leadership positions. Prior to joining HP Inc. in 2008, Mr. Cox was Senior Tax Counsel for Electronic Data Systems. Kurt P. Karros; Senior Vice President, Treasurer and Financial Planning & AnalysisMr. A Karros has served as our Senior Vice President, Treasurer and Financial Planning & Analysis since March 2024, responsible for all treasury operations and overseeing financial planning and strategy for HPE and our business units. Prior to that, he served as Senior Vice President, Treasurer and Investor Relations from May 2022 to March 2024, overseeing all treasury and investor relations-related activities. Previously, he served as our Senior Vice President, Finance and Treasurer from November 2015 to May 2022. Prior to that, Mr. A Karros served in a similar role at HPA Co., leading its treasury and investor relations functions.14Table of ContentAvailable InformationOur website is located at www.hpe.com. Our Annual Report on Form 10-K, Quarterly Reports on Form 10-Q, Current Reports on Form 8-K, and amendments to reports filed or furnished pursuant to Sections 13(a) and 15(d) of the Securities Exchange Act of 1934, as amended, are available on our website at http://investors.hpe.com, as soon as reasonably practicable after we electronically file such reports with, or furnish those reports to, the Securities and Exchange Commission. Hewlett Packard Enterprise's Corporate Governance Guidelines, Board of Directors' committee charters (including the charters of the Audit Committee, Finance and Investment Committee, HR and Compensation Committee, Technology Committee, and Nominating, Governance and Social Responsibility Committee) and code of ethics entitled "Standards of Business Conduct" are also available at that same location on our website. Stockholders may request free printed copies of these documents from:Hewlett Packard Enterprise CompanyAttention: Investor Relations1701 East Mossy Oaks Road, Spring, Texas 77389http://investors.hpe.com/financial/requested-printed-reports15Table of ContentITEM 1A. Risk Factors. You should carefully consider the following risks and other information in this Form 10-K in evaluating Hewlett Packard Enterprise. Any of the following risks could materially and adversely affect our results of operations or financial condition. The following risk factors should be read in conjunction with Part II, Item 7, "Management's Discussion and Analysis of Financial Condition and Results of Operations" and the Consolidated Financial Statements and related notes in Part II, Item 8, "Financial Statements and Supplementary Data" of this Form 10-K.Risk Factors SummaryThe following is a summary of the principal risks that could adversely affect our business, operations, and financial results. Business and Operational Risks If we cannot successfully execute our go-to-market strategy, including offering our entire portfolio as-a-Service, our business, operating results, and financial performance may suffer. We depend on third-party suppliers, and our financial results could suffer if we fail to manage our supplier relationships properly. System security risks, data protection incidents, cyberattacks and systems integration issues could disrupt our internal operations or IT services provided to customers, and any such disruption could reduce our revenue, increase our expenses, damage our reputation, and adversely affect our stock price. Business disruptions could seriously harm our future revenue and financial condition and increase our costs and expenses. Failure to complete the Merger with Juniper Networks may adversely affect our business and our stock price. Failure to realize the benefits expected from the Merger with Juniper Networks could adversely affect our business or our stock price. Any failure by us to identify, manage, and complete acquisitions and subsequent integrations, divestitures, and other significant transactions successfully could harm our financial results, business and prospects. If we cannot continue to produce quality products and services, our reputation, business, and financial performance may suffer. In order to be successful, we must attract, retain, train, motivate, develop, and transition key employees, and failure to do so could seriously harm us. If we fail to manage the distribution of our products and services properly, our business and financial performance could suffer. Issues in the development and use of artificial intelligence may result in reputational harm, liability or impact to our results of operations. Changes in the macroeconomic environment have, at times, impacted and may in the future negatively impact our results of operations. Failure to meet responsible and sustainable business expectations or standards or achieve our Living Progress goals could adversely affect our business, results of operations, financial condition, or stock price. Risks arising from climate change and the transition to a lower-carbon economy may impact our business. Industry Risks We operate in an intensely competitive industry, and competitive pressures could harm our business and financial performance. International Risks Due to the international nature of our business, political or economic changes and the laws and regulatory regimes applying to international transactions or other factors could harm our future revenue, costs and expenses, and financial condition. We are exposed to fluctuations in foreign currency exchange rates. Intellectual Property Risks 16Table of ContentOur financial performance may suffer if we cannot continue to develop, license, or enforce the intellectual property rights on which our businesses depend. Our products and services depend in part on intellectual property and technology licensed from third parties. Third-party claims of intellectual property infringement, including patent infringement, are commonplace in our industry and successful third-party claims may limit or disrupt our ability to sell our products and services. Financial Risks Adverse developments affecting our liquidity, capital position, borrowing costs, and access to capital markets could adversely impact our business, financial condition, and results of operations or those of the third parties with whom we do business. Our debt obligations may adversely affect our business and our ability to meet our obligations and pay dividends. The revenue and profitability of our operations have historically varied, which makes our future financial results less predictable. Our uneven sales cycle and supply chain disruptions make planning and inventory management difficult and future financial results less predictable. We make estimates and assumptions in connection with the preparation of our Consolidated Financial Statements and any changes to those estimates and assumptions could adversely affect our results of operations. Declaration, payment and amounts of dividends, if any, to holders of our shares will be uncertain. Regulatory and Government Risks Our business is subject to various federal, state, local and foreign laws and regulations that could result in costs or other sanctions that adversely affect our business and results of operations. Contracts with federal, state, provincial, and local governments are subject to a number of challenges and risks that may adversely impact our business. Unanticipated changes in our tax provisions, the adoption of new tax legislation or exposure to additional tax liabilities could affect our financial performance. Risks Related to Prior Separations The stock distribution in either or both of the completed separations of our former Enterprise Services business and our former Software segment could result in significant tax liability, and DXC Technology Company or Micro Focus International plc (as applicable) may in certain cases be obligated to indemnify us for any such tax liability imposed on us. We continue to face a number of risks related to our separation from HP Inc., our former parent, including those associated with ongoing indemnification obligations, which could adversely affect our financial condition and results of operations, and shared use of certain intellectual property rights, which could in the future adversely impact our reputation. General Risks Our stock price has fluctuated and may continue to fluctuate, which may make future prices of our stock difficult to predict. For a more complete discussion of the material risks facing our business, see below. Business and Operational Risks If we cannot successfully execute our go-to-market strategy, including offering our entire portfolio as-a-Service, our business, operating results, and financial performance may suffer. Our long-term strategy is focused on leveraging our portfolio of hardware, software, and services as we deliver global edge-to-cloud platform as-a-service to help customers accelerate outcomes by unlocking value from all of their data, everywhere. We provide our entire portfolio through a range of subscription and consumption-based, pay-per-use, and aaaS offerings. We will also continue to provide our hardware and software in a capital expenditure and license-based model, giving our customers choices in consuming HPE products and services. Furthermore, subject to our anticipated consummation of the acquisition of Juniper Networks, Inc. (the "Merger"), we will seek to offer secure, unified cloud- and AI-native networking to enhance innovation across edge to cloud. To successfully execute on these strategic pillars, we will continue to improve cost structures, align sales coverage with strategic goals, improve channel execution, and strengthen our capabilities in our areas of strategic focus, while continuing to pursue new product innovation that builds on our strategic 17Table of Contentcapabilities in areas such as edge computing, hybrid cloud, artificial intelligence, data center networking, network security, and high-performance compute. We must make sufficient long-term investments in strategic growth areas, such as developing, obtaining, and protecting appropriate intellectual property, and commit or transition significant R&D and other resources before knowing whether our projections will reasonably reflect customer demand for our solutions. Should such efforts fail to produce actionable insights, or our offerings not perform as designed or promised, our business results and financial condition may be adversely affected. Furthermore, such incremental capital requirements may negatively impact cash flows in the near term and may require us to dedicate additional resources, including sales and marketing costs. The process of improving our HPE GreenLake cloud offerings, enhancing existing hardware, software, and cloud-based solutions, and developing and improving the systems necessary for new and evolving data-intensive artificial intelligence-based workloads are all complex, costly, and uncertain, and any failure by us to anticipate customers' changing needs and emerging technological trends accurately, to invest sufficiently in strategic growth areas, or to otherwise successfully execute this strategy could significantly harm our market share, results of operations, and financial performance. Having developed a cloud platform product in HPE GreenLake and the hardware capabilities to support artificial intelligence computing, we must be able to continue integrating new features that are relevant to our customers and to scale quickly, while also managing costs and preserving margins, which means accurately forecasting volumes, mixes of products, and configurations that meet customer requirements, which we may not succeed at doing. These offerings face competition from peer companies with their own cloud platform and artificial intelligence computing offerings, and any delay in the development, production, or marketing of a new product, service, or solution could result in our offerings being late to reach the market, which could harm our competitive position. In addition, should we successfully consummate the Merger, the process of integrating and streamlining our offerings (including integrating Juniper Networks' offerings with ours) or developing new solutions based on our respective technological portfolios may be complex, costly, time-consuming, and uncertain, and failure by us to successfully do so could adversely impact our future results of operations and financial performance. Furthermore, we anticipate needing to adapt our go-to-market structure from time to time with new sales and marketing approaches, to better align with aaaS business models and to capture unique market opportunities, such as in hybrid cloud and artificial intelligence. Changing our go-to-market structure may affect employee compensation models and ultimately our ability to retain employees. There is no assurance that we will be able to implement these adjustments in a timely or cost-effective manner, or that we will be able to realize all or any of the expected benefits from them. Our HPE GreenLake solutions generally are multiyear agreements, which result in recurring revenue streams over the term of the arrangement. As customer demand for our aaaS offerings increases, we have experienced, and will continue to experience, differences in the timing of revenue recognition between our traditional offerings (for which revenue is generally recognized at the time of delivery) and our aaaS offerings (for which revenue is generally recognized ratably over the term of the arrangement). As such, our financial results and growth depend, in part, on customers continuing to purchase our services and solutions over the contract life on the agreed terms. Additionally, implementing this business model also means that our historical results, especially those from before the transition, may not be indicative of future results, which may adversely affect our ability to accurately forecast our future operating results. Our aaaS offerings also could subject us to increased risk of liability related to the provision of services as well as operational, technical, legal, regulatory, or other costs. We depend on third-party suppliers, and our financial results could suffer if we fail to manage our supplier relationships properly. Our operations depend on our ability to anticipate our needs for components, products, and services, as well as our suppliers' abilities to deliver sufficient quantities of quality components, products, and services at reasonable prices and in time for us to meet critical schedules for the delivery of our own products and services. Given the wide variety of solutions that we offer, the large and diverse distribution of our suppliers and contract manufacturers, and the long lead times required to manufacture, assemble, and deliver certain solutions, problems have, from time to time in the past, arisen, and could in the future arise, in production, planning, and inventory management that could harm our business. In addition, our ongoing efforts to optimize the efficiency of our supply chain could cause supply disruptions and be more expensive, time-consuming, and resource-intensive than expected. Furthermore, certain of our suppliers have at times decided, and may in the future decide, to discontinue conducting business with us. Other supplier problems that we have faced, and could again face in the future, include component shortages, excess supply, and contractual, relational, and labor risks, each of which is described below. Component shortages. We have in the past experienced, and may experience again in the future, delays and shortages of certain components as a result of strong demand, supplier transitions, raw material or capacity constraints, and other problems experienced by suppliers in certain geographies and markets, resulting in insufficient supply to meet total market demand. In the past, we have experienced shortages or delays, which led to higher prices of certain components and exposure to quality issues and delivery delays, which may occur again in the future. We may not be able to secure enough components at reasonable prices, of acceptable quality, or at all, to build products or provide services in a timely manner in the quantities needed or according to our specifications. Accordingly, our business and financial performance could suffer from a loss of time-sensitive sales, additional freight costs incurred, or the inability to pass 18Table of Contenton price increases to our customers. If we cannot adequately address supply issues, we may have to reengineer some product or service offerings, which could result in further costs and delays. Excess supply. In order to secure components for our products or services, at times we may make advance payments to suppliers or enter into long term agreements, non-cancellable commitments, or other inventory management arrangements with vendors. In addition, we may purchase components strategically in advance of demand to take advantage of favorable pricing or to address concerns about the availability of future components. If we fail to anticipate customer demand properly, a temporary oversupply can result in excess or obsolete components (which has happened at times in the past), which has at times adversely impacted and could in the future adversely impact our business and financial performance. Contractual terms. As a result of binding long-term price or purchase commitments with vendors, we may be obligated to purchase components or services at prices that are higher than those available in the current market and be limited in our ability to respond to changing market conditions. If we commit to purchasing components or services for prices in excess of the then-current market price, we may be at a disadvantage to competitors who have access to components or services at lower prices, our gross margin could suffer, and we could incur charges relating to inventory obsolescence. Contingent workers. We also rely on third-party suppliers for the provision of contingent workers, and our failure to manage our use of such workers effectively could adversely affect our results of operations. We have been exposed to various legal claims relating to the status of contingent workers in the past and could face similar claims in the future. We may be subject to shortages, oversupply or fixed contractual terms relating to contingent workers. Our ability to manage the size and cost of our contingent workforce may be subject to additional constraints imposed by local laws. Single-source suppliers. We obtain certain components from single-source suppliers due to technology, availability, price, quality, scale, or customization needs. Certain of such suppliers have, in the past decided, and may in the future decide, to discontinue manufacturing components used in our products, which may cause us to discontinue certain products, incur additional costs to redesign our products so as not to incorporate such discontinued components, or incur time and expense to find replacement suppliers. Replacing a single-source supplier has at times delayed, and could delay, production of some products as replacement suppliers may initially be unable to meet demand or be subject to other output limitations. For some components, such as customized components, alternative sources either may not exist or may be unable to produce the quantities of those components necessary to satisfy our production requirements. In addition, we sometimes purchase components from single-source suppliers under short-term agreements that contain favorable pricing and other terms but that may be unilaterally modified or terminated by the supplier with limited notice and with little or no penalty. The performance of such single-source suppliers under those agreements (and the renewal or extension of those agreements upon similar terms) may affect the quality, quantity, and price of our components. The loss of a single-source supplier, the deterioration of our relationship with a single-source supplier, or any unilateral modification to the contractual terms under which we are supplied components by a single-source supplier could adversely affect our business and financial performance. System security risks, data protection incidents, cyberattacks and systems integration issues could disrupt our internal operations or IT services provided to customers, and any such disruption could reduce our revenue, increase our expenses, damage our reputation, and adversely affect our stock price. As a leading technology firm, we are exposed to attacks from criminals, nation state actors, malicious insiders, and activist hackers (collectively, "malicious parties") who have at times been able to circumvent or bypass our cyber security measures. Although some of these attacks have caused disruptions or exposure of information, so far, these attacks have not resulted in material negative impacts to HPE, nor have any of HPE's consumers, customers, or employees informed HPE that these attacks resulted in material harm to them. While we investigate and remediate incidents, there can be no assurance that we will do so comprehensively or that the threat actor will not identify alternative means of intrusion or opportunities to otherwise utilize the information it accessed to adversely affect our business or results of operations. It is also possible that incidents may embolden other malicious actors to perpetrate future attacks that may result in material misappropriation, system disruptions or shutdowns, malicious alteration, or destruction of our confidential or personal information or that of third parties. Further, there has been an increase in the frequency and sophistication of such attacks, and we expect these activities to continue to increase, including malicious actors potentially leveraging AI to develop malicious code or sophisticated phishing attempts. Malicious parties may also be able to otherwise develop and deploy viruses, worms, ransomware, and other malicious software programs that attack our products or otherwise exploit any security vulnerabilities of our products, including within our cloud-based environments and offerings, such that we may be unable to anticipate such

malicious parties’ techniques, implement adequate preventative measures, or remediate any intrusion on a timely or effective basis even if our security measures are appropriate, reasonable, and comply with applicable legal requirements. Further, cyberattacks or incidents have in the past gone, and could in the future go, undetected in our environments for a period of time, and we may discover additional impacts of earlier incidents that we believe were remediated. For example, as previously disclosed in our Form 8-K filed with the Securities and Exchange Commission on January 24, 2024, we learned in December 2023 that, beginning in May 2023, a nation-state-19Table of Contentassociated threat actor gained unauthorized access to and exfiltrated data from HPE’s cloud-based email and SharePoint environments. While this incident has been investigated and remediated with no material impact experienced by HPE to date, this may have nevertheless resulted in harm to our reputation and customer relationships (and may do so in the future, as well), and there can be no assurance that the threat actor will not utilize the information accessed to adversely affect our business or results of operations. Given our broad and diverse network environment, resource limitations, and operational constraints, we have in the past failed, and may in the future fail, to patch certain security vulnerabilities in time to prevent successful disruptions of our infrastructure or exposure of information. Malicious parties may compromise our manufacturing supply chain and the systems or networks of other third parties on whom we rely, and as such, may embed malicious software or hardware in our products, thereby compromising our customers. Geopolitical tensions or conflicts, such as the ongoing conflicts between Russia and Ukraine or in the Middle East, may heighten the risk of such cyberattacks or exacerbate system vulnerabilities, considering our continued hybrid work environment and our globally dispersed operations, employees, contractors, suppliers, developers, partners, and other third parties. In addition, sophisticated hardware and operating system software and applications that we produce, procure or integrate from third parties, including those of companies we have acquired, may contain defects in design or manufacturing, including flaws that could unexpectedly interfere with the operation of the system. The costs associated with cybersecurity tools and infrastructure and competition for cybersecurity and IT talent have at times limited, and may in the future limit, our ability and the ability of third parties on whom we rely to efficiently identify, eliminate, or remediate cyber or other security vulnerabilities or problems or enact changes to minimize the attack surface of our network. Furthermore, our efforts, and the efforts of third parties on whom we rely, to address these problems, at times, have not been, and may in the future not be successful and could result in interruptions, delays, cessation of service, compromise of sensitive information, and loss of existing or potential customers, any of which may impede our sales, manufacturing, distribution or other critical functions. Additional impacts from cybersecurity incidents could include reimbursement of remediation costs to our customers, suppliers, or distributors, such as liability for stolen assets or information, repairs of system damage, and incentives for continued business; lost revenue resulting from the unauthorized use of proprietary information or the failure to retain or attract business partners following an incident; increased insurance premiums; and damage to our competitiveness, stock price, and long-term shareholder value. Further, it may be difficult to determine the best way to investigate, mitigate, contain, and remediate any harm caused by a cybersecurity incident. Such efforts may not be successful, and we may make errors or fail to take necessary actions. It may take considerable time for us to investigate and evaluate the full impact of incidents, particularly for sophisticated attacks. These factors may inhibit our ability to provide prompt, full, and reliable information about the incident to our customers, partners, regulators, and the public. Additionally, to the extent we carry insurance coverage for such possibilities, we cannot be certain that any such coverage will be adequate or otherwise protect us with respect to claims, expenses, fines, penalties, business loss, data loss, litigation, regulatory actions, or other impacts arising from security breaches or incidents, or that such coverage will continue to be available on acceptable terms or at all. We manage and store various proprietary information, intellectual property, and sensitive or confidential data relating to our business. In addition, our business may process, store, and transmit customer data, including commercially sensitive, government-related, and/or personal data, subject to the European General Data Protection Regulation, United Kingdom General Data Protection Regulation, and various U.S. state and foreign data security and privacy laws, which give new data privacy rights to their residents and impose significant obligations related to the handling of personal data. Compliance with data security and privacy laws is complex and costly. With our business increasingly providing aaS offerings, malicious parties could target such services, potentially resulting in an increased risk of compromise of customer or employee data resulting in regulatory exposure. Incidents involving our cyber or physical security measures or the accidental loss, inadvertent disclosure, or unapproved dissemination of proprietary information, intellectual property, or sensitive, confidential, or personal data about us, our clients, or our customers, including the potential loss or disclosure of such data as a result of fraud or other forms of deception, could expose us, our customers, or the individuals affected to a risk of loss or misuse of this information; result in regulatory fines, litigation, and potential liability for us; damage our brand and reputation; or otherwise harm our business. We also could lose existing or potential customers of services or other IT solutions or incur significant expenses in connection with our customers’ system failures or any actual or perceived security vulnerabilities in our products and services. In addition, the cost and operational consequences of managing an incident and implementing further data protection measures could be significant. Additionally, we have at times experienced, and may experience, other security issues that are not the results of any action or attack from malicious parties, whether due to employee or insider error or malfeasance, system errors or vulnerabilities in our or other parties’ systems. Portions of our IT infrastructure also have experienced, and may experience, interruptions, delays, or cessations of service or produce errors in connection with systems integration or migration work that takes place from time to time. As our IT environment continues to evolve, we have, at times, been unsuccessful, and may in the future be unsuccessful, in adopting or implementing new systems and transitioning data, which could cause business disruptions and be more expensive, time-consuming, disruptive, and resource intensive. Furthermore, our data centers depend on predictable and reliable energy and networking capabilities, the cost or availability of which could be adversely affected or 20Table of Contentdisrupted by a variety of factors, including but not limited to the effects of climate change. Such disruptions could adversely impact our ability to fulfill orders and respond to customer requests and interrupt other processes. Delayed sales, lower margins, or lost customers resulting from these events could reduce our revenue, increase our expenses, and adversely affect our reputation and stock price. While we seek to identify and remediate vulnerabilities in our products, services, IT systems, controls, and software that could be exploited by any malicious parties, we may not be aware of all such vulnerabilities, and we have at times failed, and may fail, to anticipate, detect, identify, and/or remediate such vulnerabilities before they are exploited or such vulnerabilities may persist after issuing security patches because system software updates may occur asynchronously across our customer base. Additionally, we have acquired and may continue to acquire companies with cybersecurity vulnerabilities or different security standards, which exposes us to related cybersecurity, operational, and financial risks. Further, as our products and services in some instances are integrated with our customers’ systems and processes, even if we are successful in identifying vulnerabilities, a successful attack on us could compromise customers’ IT systems and sensitive data, despite active monitoring and development of tools designed to identify and remediate such vulnerabilities. There is no guarantee that a series of issues may not be determined to be material in the aggregate at a future date even if they may not be material individually at the time of their occurrence. Business disruptions could seriously harm our future revenue and financial condition and increase our costs and expenses. Our worldwide operations and supply chain could be disrupted by natural or human-induced disasters including, but not limited to, earthquakes; tsunamis; floods; hurricanes, cyclones or typhoons; fires; other extreme weather conditions; power or water shortages; telecommunications failures; materials scarcity and price volatility; terrorist acts, civil unrest, conflicts or wars; and health epidemics or pandemics. The impacts and frequency of any of the above could be further exacerbated by climate change, particularly in countries where we operate that have limited infrastructure and disaster recovery resources. While we are predominantly self-insured to mitigate the impact of most catastrophic events, the occurrence of business disruptions could, among other impacts, harm our revenue, profitability, and financial condition; adversely affect our competitive position; increase our costs and expenses; make it difficult or impossible to provide our offerings to our customers or to receive components from our suppliers; create delays and inefficiencies in our supply chain; or require substantial expenditures and recovery time in order to fully resume operations. Public health crises, such as the COVID-19 pandemic, and the measures taken in response to such events have in the past negatively impacted, and may again in the future negatively impact, our operations and workforce, as well as those of our partners, customers and suppliers. Additionally, concerns over the economic impact of such events have, from time to time, caused increased volatility in financial and other capital markets, adversely impacting our stock price, our ability to access the capital markets, and our ability to fund liquidity needs, and may do so again in the future. The negative impacts of any such events on business operations and demand for our offerings will depend on future developments and actions taken in response to such events, which may be outside our control, highly uncertain, and cannot be predicted at this time. The manufacture of product components, the final assembly of our products and other critical operations are concentrated in certain geographic locations, including the United States, Puerto Rico, Costa Rica, Czech Republic, Malaysia, Mexico, China, Taiwan, South Korea, and Singapore. We also rely on major logistics hubs, which are strategically located near manufacturing facilities in the major regions and in proximity to HPE’s distribution channels and customers. Other critical business operations and some of our suppliers are located in California and Asia, near major earthquake faults known for seismic activity. Our operations could be adversely affected if manufacturing, logistics, or other operations in these locations are disrupted for any reason, including those enumerated above, as they have been in the past by natural disasters and public health issues in the United States, Puerto Rico, and China. To the extent such disruptions adversely affect our business, results of operations, financial condition, and stock price, they may also have the effect of heightening many of the other risks described in this Item 1A of Part I of this Form 10-K. Failure to complete the Merger with Juniper Networks may adversely affect our business and our stock price. In January 2024, we entered into a definitive agreement to acquire Juniper Networks, Inc., a leader in AI-native networks. Consummation of the Merger is subject to the satisfaction or waiver of certain conditions, including but not limited to (i) the adoption of the Agreement and Plan of Merger (the “Merger Agreement”), by and among Juniper Networks, HPE and Jasmine Acquisition Sub, Inc., a Delaware corporation and a wholly owned subsidiary of HPE (the “Merger Sub”), by Juniper Networks’ stockholders (which was completed on April 2, 2024); (ii) the absence of any injunction, order or law preventing, prohibiting or making illegal the consummation of the Merger; (iii) the expiration or termination of the waiting period (or extension thereof) under the Hart-Scott-Rodino Antitrust Improvement Act of 1976, as amended, and the receipt of all other required approvals, consents or clearances under specified foreign antitrust laws and foreign investment laws without imposition of a Burdensome Condition (as defined in the Merger Agreement); and (iv) in the case of the obligations of HPE and Merger Sub to effect the Merger, the absence of a material adverse effect with respect to Juniper Networks that is continuing as of the closing. There can be no assurance that these or other closing conditions will be satisfied in a timely manner or at all. Any delay in completing the Merger could cause us not to realize some or all of the anticipated benefits when expected, if at all. 21Table of ContentIf the Merger is not completed, our stock price could be impacted to the extent it reflects an assumption that we will complete the Merger, and additionally, we may suffer other consequences that could adversely affect our business, results of operations, and stock price, including incurring significant acquisition costs that we would be unable to recover, negative publicity, and a negative impression of us in the investment community. Furthermore, under certain specified circumstances, including the termination of the Merger Agreement by either us or Juniper Networks because certain required regulatory clearances are not obtained or the terms of the Merger Agreement are materially breached by us, upon termination we would be required to pay Juniper Networks a termination fee of \$815 million. Failure to realize the benefits expected from the Merger with Juniper Networks could adversely affect our business or our stock price. There can be no assurance that we will realize any of the significant benefits that we expect to result from the Merger, or realize them within the anticipated timeframe. Achieving these benefits will depend, in part, on our ability to integrate Juniper Networks’ business successfully and efficiently. The challenges involved in this integration, which will be complex and time-consuming, include the following: (1) preserving customer and other important relationships of Juniper Networks and attracting new business and operational relationships; (2) integrating financial forecasting and controls, procedures and reporting cycles; (3) consolidating and integrating corporate, information technology, finance and administrative infrastructures; (4) coordinating sales and marketing efforts to effectively position our capabilities; (5) coordinating and integrating operations, including in countries in which we have not previously operated; (6) integrating employees and related human capital management systems and benefits, maintaining employee morale and retaining key employees. If we do not successfully manage these issues and the other challenges inherent in integrating an acquired business, then we may not achieve the anticipated benefits of the Merger on our anticipated timeframe or at all, and our revenue, expenses, operating results, financial condition and stock price could be materially adversely affected. The successful integration of Juniper Networks will require significant management attention both before and after the completion of the Merger with Juniper Networks, and may divert the attention of management from our business and operational issues. Any failure by us to identify, manage, and complete acquisitions and subsequent integrations, divestitures, and other significant transactions successfully could harm our financial results, business and prospects. As part of our strategy, we may acquire businesses, divest businesses or assets, enter into strategic alliances and joint ventures, and make investments to further our business (collectively, “business combination and investment transactions”), and also handle any post-closing issues, such as integration. Risks associated with business combination and investment transactions include the following, any of which could adversely affect our financial results, including our effective tax rate: (1) We may not successfully combine product or service offerings or realize all of the anticipated benefits of any particular business combination and investment transaction, which may result in (1) failure to execute on our business strategy; (2) failure to coordinate sales and marketing efforts to effectively position our capabilities; (3) failure to retain employees, customers, distributors, and suppliers or attract new business and operational relationships; (4) increase in unanticipated delays or failure to meet contractual obligations which may cause financial results to differ from expectations; and (5) pay, early retirement costs, employee benefit costs, charges from the elimination of duplicative facilities and contracts, inventory adjustments, assumed litigation and other liabilities, legal, accounting and financial advisory fees, and required payments to executive officers and key employees under retention plans. (6) We may fail to successfully and efficiently (1) integrate financial forecasting and controls, procedures and reporting cycles; (2) consolidate and integrate corporate, information technology, finance and administrative infrastructures; (3) coordinate and integrate operations, including in countries in which we have not previously operated; (4) integrate employees and related human capital management systems and benefits; or (5) address redundant processes and functions in an adequate manner (thereby impacting our ability to achieve all or any of the anticipated synergies). (7) Our ability to conduct due diligence with respect to business combination and investment transactions, and our ability to evaluate the results of such due diligence, is dependent upon the veracity and completeness of statements and disclosures made or actions taken by third parties or their representatives. We may fail to identify significant issues with the acquired company’s product quality, financial disclosures, workplace culture, accounting practices or internal control deficiencies or all of the factors necessary to estimate reasonably accurate costs, timing and other matters. (8) In order to complete a business combination and investment transaction, we may issue common stock, potentially creating dilution for our existing stockholders or we may enter into financing arrangements, which could affect our liquidity and financial condition. (9) For an acquisition or other combination, the acquisition partner may have differing or inadequate cybersecurity and data protection controls, which could impact our exposure to data security incidents and potentially increase anticipated costs or time to integrate the business. (10) Business combination and investment transactions may lead to litigation, which could impact our financial condition and results of operations. (11) We have incurred and will incur additional depreciation and amortization expense over the useful lives of certain assets acquired in connection with business combination and investment transactions and, to the extent that the value of goodwill or intangible assets acquired in connection with a business combination and investment transaction becomes impaired, we may be required to incur additional material charges relating to the impairment of those assets. (12) For a divestiture, we may encounter difficulty in finding buyers or alternative exit strategies on acceptable terms in a timely manner, or we may dispose of a business at a price or on terms that are less desirable than we had anticipated. (13) The impact of divestitures on our revenue growth may be larger than projected, as we may experience greater dis-synergies than expected. If we do not satisfy pre-closing conditions and necessary regulatory and governmental approvals on acceptable terms, it may prevent us from completing the transaction. Dispositions may also involve continued financial involvement in the divested business, such as through continuing equity ownership, guarantees, indemnities or other financial obligations. Under these arrangements, performance by the divested businesses or other conditions outside of our control could affect our future financial results. (14) Our certificate of incorporation and bylaws could make it difficult or discourage an acquisition of Hewlett Packard Enterprise if our Board of Directors deems it to be undesirable. Provisions such as indemnification, meeting requirements, and blank check stock authorizations could deter or delay hostile takeovers, proxy contests, or changes in control or management of Hewlett Packard Enterprise. Management’s attention or other resources may be diverted during business combination and investment transactions and may be further impacted if we fail to successfully complete or integrate business combination and investment transactions that further our strategic objectives. See also the risk factors below under the heading “Risks Related to Prior Separations.” If we cannot continue to produce quality products and services, our reputation, business, and financial performance may suffer. In the course of conducting our business, we must adequately address quality issues associated with our products, services, and solutions (whether developed by us or by a company we acquire),

including defects in our engineering, design, and manufacturing processes and unsatisfactory performance under service contracts, as well as defects in third-party components included in our products and unsatisfactory performance or even malicious acts by third-party contractors or subcontractors or their employees. In order to address quality issues, we work extensively with our customers and suppliers and engage in product testing to determine the causes of problems and to develop and implement appropriate solutions. However, the products, services, and solutions that we offer are complex, and our regular testing and quality control efforts may not be effective in controlling or detecting all quality issues or errors, particularly with respect to faulty components manufactured by third parties. If we are unable to determine the cause, find an appropriate solution or offer a temporary fix (or “éœatchâ€”) to address quality issues with our products, we may delay shipment to customers, which could delay revenue recognition and receipt of customer payments and could adversely affect our revenue, cash flows, and profitability. In addition, after products are delivered, quality issues may require us to repair or replace such products. Addressing quality issues can be expensive and may result in additional warranty, repair, replacement, and other costs, adversely affecting our financial performance. If new or existing customers have difficulty operating our products or are dissatisfied with our services or solutions, our results of operations could be adversely affected, and we could face possible claims if we fail to meet our customers’ expectations. In addition, quality issues, including the actual or perceived security or reliability of our offerings or ability to address other data security concerns, can impair our relationships with new or existing customers and adversely affect our brand and reputation, which could adversely affect our results of operations. In order to be successful, we must attract, retain, train, motivate, develop, and transition key employees, and failure to do so could seriously harm us. In order to be successful, we must attract, retain, train, motivate, develop, and transition qualified executives and other key employees, including those in managerial, technical, development, sales, marketing, and IT positions. In order to attract and retain executives and other key employees in a competitive marketplace, we must provide a competitive compensation package, including cash and equity-based compensation. These are particularly important considering our growth strategy to capture the market opportunities presented by networking, hybrid cloud, and AI. Certain equity-based incentive awards for certain executives contain conditions relating to our stock price performance and our long-term financial performance that make the future value of those awards uncertain. If the anticipated value of such equity-based incentive awards does not materialize, if our equity-based compensation otherwise ceases to be viewed as a valuable benefit, if our total compensation package is not 23Table of Contentviewed as being competitive, or if we do not obtain the stockholder approval needed to continue granting equity-based incentive awards in the amounts we believe are necessary, our ability to attract, retain, and motivate executives and key employees could be weakened. Our failure to successfully hire executives and key employees or the loss of any executives and key employees could have a significant impact on our operations and our ability to execute our strategy. Further, changes in our management team may be disruptive to our business, and any failure to successfully transition and assimilate key new hires or promoted employees could adversely affect our business and results of operations. As competition for highly skilled employees in our industry has grown increasingly intense, we have in the past experienced, and may in the future experience, higher than anticipated levels of employee attrition, which has resulted in increased costs to hire new employees with the desired skills and may do so again in the future. In addition, significant or prolonged turnover or revised hiring priorities may negatively impact our operations and culture, as well as our ability to successfully maintain our processes and procedures, including due to the loss of historical, technical, and other expertise. These risks to attracting and retaining the necessary talent may be exacerbated by labor constraints, such as immigration policies which may impair the ability to recruit technical and professional talent, and inflationary pressures, which impact employee wages and benefits. Further, integration of employees and businesses as a result of our acquisitions, including the Merger, may present challenges, which could negatively affect our ability to retain and recruit personnel who are essential to our future success. If we fail to manage the distribution of our products and services properly, our business and financial performance could suffer. We use a variety of distribution methods to sell our products and services around the world, including both direct and indirect sales to end-users. Successfully managing the interaction of our direct and indirect channel efforts to reach various potential customer segments for our products and services is a complex process. Moreover, since each distribution method has distinct risks and gross margins, our failure to implement the most advantageous balance in the delivery model for our products and services could adversely affect our revenue and gross margins and therefore our profitability. Our financial results could be materially adversely affected due to distribution channel conflicts or if the financial conditions of our channel partners were to weaken. Our results of operations may be adversely affected by any conflicts that might arise between our various distribution channels or the loss or deterioration of any alliance or distribution arrangement. Moreover, some of our wholesale distributors may have insufficient financial resources and may not be able to withstand changes in business conditions, including economic weakness, industry consolidation, and market trends. Considerable trade receivables that are not covered by collateral or credit insurance are outstanding with our distribution channel partners. Revenue from indirect sales could suffer, and we could experience disruptions in distribution, if our distributorsâ€™ financial conditions, abilities to borrow funds in the credit markets, or operations weaken. Our inventory management is complex, as we continue to sell a significant mix of products through distributors. We must manage both owned and channel inventory effectively, particularly with respect to sales to distributors, which involves forecasting demand and pricing challenges. Distributors have in the past adjusted orders during periods of product shortages, and may do so in the future, in addition to cancelling orders if their inventory is too high or delaying orders in anticipation of new products. Distributors also may adjust their orders in response to the supply of our products and the products of our competitors and seasonal fluctuations in end-user demand. If we have excess or obsolete inventory, we may have to reduce our prices and write down inventory, and have done so from time to time in the past. Moreover, our use of indirect distribution channels may limit our willingness or ability to adjust prices quickly and otherwise to respond to pricing changes. Issues in the development and use of artificial intelligence may result in reputational harm, liability or impact to our results of operations. We believe the proliferation of AI, especially as it relates to our products and solutions that enable AI workloads, will have a significant impact on customer preferences and market dynamics in our industry, and our ability to effectively compete in this space will be critical to our financial performance. We currently incorporate AI capabilities into certain offerings and manufacture hardware designed to support AI capabilities, and our research into and continued development of such capabilities and manufacturing processes remain ongoing. We have invested, and expect to continue to invest, significant resources to build and support the development of these capabilities and manufacturing processes, and if our AI-related offerings fail to operate as anticipated or as well as competing offerings or otherwise do not meet customer needs or if we are unable to bring AI-related offerings to market as effectively as our competitors, we may fail to recoup our investments in AI, our competitive position may be harmed, and our business and reputation may be adversely impacted. As with many innovations, AI presents risks, challenges, and unintended consequences that could affect its adoption, and therefore our business and our overall strategy. While we review proposed implementations and use cases ahead of deployment, we may not always identify the risks or deficiencies of an AI capability or offering and the market may respond differently than we anticipate, potentially impacting our results of operations. AI algorithms and training methodologies may be flawed. Ineffective or inadequate AI development or deployment practices by us or others could result in incidents that impair the 24Table of Contentacceptance of AI solutions or cause harm to individuals or society. These deficiencies and other failures of AI systems could subject us to competitive harm, regulatory action, legal liability, and brand or reputational harm. If we enable or offer AI solutions that are controversial because of their impact on human rights, privacy, employment, or other social, economic, or political issues, we may experience competitive, brand, or reputational harm or legal and/or regulatory action. Further, incorporating AI gives rise to litigation risk and risk of non-compliance and unknown cost of compliance, as AI is an emerging technology for which the legal and regulatory landscape is not fully developed and which may vary from jurisdiction to jurisdiction, creating complex compliance issues (including potential liability for breaching intellectual property or privacy rights or laws or for the misuse of personal data). While new AI initiatives, laws, and regulations are emerging and evolving, what they ultimately will look like remains uncertain, and our obligation to comply with them could entail significant costs, negatively affect our business, or entirely limit our ability to incorporate certain AI capabilities into our offerings. The resulting impact of such regulations on our customersâ€™ desire for AI capabilities and demand for our offerings more generally could negatively impact our results of operations. Additionally, leveraging AI capabilities to potentially improve internal functions and operations presents further risks and challenges. While we aim to use AI ethically and attempt to identify and mitigate ethical or legal issues presented by its use, we may nevertheless be unsuccessful in identifying or resolving issues before they arise. The use of AI to support business operations carries inherent risks related to data privacy and security, such as intended, unintended, or inadvertent transmission of proprietary or sensitive information, as well as challenges related to implementing and maintaining AI tools, such as developing and maintaining appropriate datasets for such support. Further, dependence on AI without adequate safeguards to make certain business decisions may introduce additional operational vulnerabilities by impacting our relationships with customers, partners, and suppliers; by producing inaccurate outcomes based on flaws in the underlying data; or other unintended results. Changes in the macroeconomic environment have, at times, impacted and may in the future negatively impact our results of operations. Changes in macroeconomic conditions have, at times, affected and may in the future affect consumer and enterprise spending, and as a result, our customers have postponed or cancelled, and may also in the future postpone or cancel, spending in response to numerous reasons, including but not limited to volatility in credit and equity markets, negative financial news and/or declines in income or asset values, all of which may have an adverse effect on the demand for our products and/or result in changes in our product prices. Other factors that have had, and could again in the future have, an adverse effect on demand for our products, financial condition and results of operations include inflation, slower economic growth or economic recession, conditions in the labor market, healthcare costs, access to credit, consumer confidence, and other macroeconomic factors affecting consumer and business spending behavior. These changes could happen rapidly and we may not be able to react quickly to prevent or limit our losses or exposures. Additionally, other macroeconomic developments, such as efforts of governments to stimulate or stabilize the economy, international conflicts, trade disputes, sanctions, increased tariffs internationally, including between the United States and China and on imports into the United States from various countries, have at times impacted, and may in the future impact our business in an adverse manner, whether directly or indirectly, such as through their impacts on the financial positions and operations of our customers, suppliers, and other third parties with whom we do business or on whom we rely, and as a consequence, their ability to perform their obligations under their agreements with us. Persistent inflation has negatively affected our business in recent quarters and could do so again in the future, as well. A general weakening of, and related declining corporate confidence in, the global economy or the curtailment in government or corporate spending have at times caused current or potential customers to reduce their IT budgets or be unable to fund data storage products, which have led them to delay, decrease or cancel purchases of our products or to not pay us or to delay paying us for previously purchased products and services, all of which may occur again in the future. Failure to meet responsible and sustainable business expectations or standards or achieve our Living Progress goals could adversely affect our business, results of operations, financial condition, or stock price. There has been an increased focus from regulators and stakeholders on sustainability and corporate responsibility matters. Given our commitment to sustainable and responsible business, we actively manage these issues through our Living Progress Strategy and have established and publicly announced certain goals, which we may refine or even expand further in the future. These goals reflect our current plans and aspirations, are based on available data and estimates, and are not guarantees that we will be able to achieve them. Moreover, actions or statements that we may take based on expectations, assumptions, or third-party information that we currently believe to be reasonable may subsequently be determined to be erroneous or be subject to misinterpretation. Initiatives to address sustainability and corporate responsibility issues may be costly and may not have the desired effect. Evolving stakeholder expectations and our efforts and ability to manage these issues and accomplish our goals present numerous operational, regulatory, reputational, financial, legal, and other risks, any of which may be outside of our control or could have adverse impacts on our business, including on our stock price. Further, there is uncertainty around the accounting standards and climate-related disclosures associated with emerging laws and reporting requirements and the related costs to comply with the emerging regulations. 25Table of ContentOur failure or perceived failure to achieve our Living Progress goals, maintain responsible and sustainable business practices, or comply with emerging sustainability regulations that meet evolving regulatory or stakeholder expectations could harm our reputation, adversely impact our ability to attract and retain customers and talent, and expose us to increased scrutiny from the investment community and enforcement authorities. Our reputation also may be harmed by the perceptions that our stakeholders have about our action or inaction on certain sustainability- and corporate responsibility-related issues, or because they may disagree with our goals and initiatives, either of which may cause us to face scrutiny, lawsuits, or other market access restrictions from certain parties related to our action or inaction on such issues. Damage to our reputation and loss of brand equity may reduce demand for our products and services and thus have an adverse effect on our future financial performance, as well as require additional resources to rebuild our reputation. Risks arising from climate change and the transition to a lower-carbon economy may impact our business. Climate change serves as a risk multiplier that could increase both the frequency and severity of natural disasters that may affect our worldwide business operations and those of suppliers and customers. Our corporate headquarters is located in Spring, Texas, which suffers from floods, hurricanes, and other extreme weather, and a portion of our research and development activities are located in California, which suffers from drought conditions and catastrophic wildfires, each affecting the health and safety of our employees. In California, to mitigate wildfire risk, electric utilities have, at times periodically deployed, and may in the future, periodically deploy public safety power shutoffs, which affect electricity reliability to our facilities and our communities. Certain sites located in the United States, Middle East, China, and India experience exposure to extreme heat and water stress, which could potentially jeopardize the health and well-being of our employees, consequently impacting our operations. While we seek to mitigate business risks, including those associated with climate change, through site selection, infrastructure technological investments, business continuity planning, and robust environmental programs, this may require us to incur substantial costs, and we may be unsuccessful in doing so as there are inherent climate-related risks wherever business is conducted. Furthermore, climate change may reduce the availability or increase the cost of insurance for these negative impacts of natural disasters by contributing to an increase in the incidence and severity of such natural disasters. The increasing concern over climate change could also result in transition risks, such as efforts and expenditures related to carbon abatement, shifting customer preferences, or compliance risks from changing regulatory and legal requirements. We have already observed changing customer preferences resulting in increased demands for sustainable solutions, products, and services. While we have been integrating such trends into our business and sales strategies thus far, we may not be able to successfully do so in the future. Further, continually changing customer preferences may cause us to incur additional costs, invest more in R&D, or make other changes to other operations to respond to such demands, which may not be carried out successfully, and if so, could adversely affect our financial results. We may also confront higher electricity prices as the grid decarbonizes, and higher costs for supplies or components that comply with certain environmental regulatory thresholds, potentially impacting our margins or the pricing of our offerings. If we fail to manage these and other transition risks in an effective manner, customer demand for our solutions, products, and services could diminish, and our profitability could suffer. Industry Risks We operate in an intensely competitive industry, and competitive pressures could harm our business and financial performance. Our ability to implement solutions for our customers, anticipate and respond to rapid and continuing changes in technology (such as cloud-, AI-, and security-related offerings, which are continually evolving), and develop new service offerings or incorporate technological improvements into our offerings that meet current and prospective customersâ€™ needs, as well as evolving industry standards, is critical to our competitiveness and success. We encounter aggressive competition from numerous and varied competitors in all areas of our business, and our competitors have targeted and are expected to continue targeting our key market segments. We compete primarily on the basis of technology, innovation, performance, price, quality, reliability, brand, reputation, distribution, range of products and services, ease of use of our products, account relationships, customer training, service and support, security, and the availability of our IT infrastructure offerings. If our products, services, support, and cost structure do not enable us to compete successfully based on any of those criteria, our results of operations and business prospects could be harmed. We have a large portfolio of products and services and must allocate our financial, personnel, and other resources across all of our products and services while competing with companies that have smaller portfolios or specialize in one or more of our product or service lines. As a result, we may invest less in certain areas of our business than our competitors do, and our competitors may have greater financial, technical, and marketing resources available to them compared to the resources allocated to our products and services that compete against theirs. If we do not sufficiently invest in new technologies, successfully adapt to industry developments and changing demand, and evolve and expand our business at sufficient speed and scale to keep pace with the demands of the markets we serve, we may be unable to develop and maintain a competitive advantage and execute on our growth strategy, which would adversely affect our business, results of operations, and financial condition. Industry consolidation may also affect competition by creating larger, more homogeneous, and potentially stronger 26Table of Contentcompetitors in the markets in which we operate. Additionally, our competitors may affect our business by entering into exclusive arrangements with our existing or potential customers or suppliers. Companies with whom we have vertical relationships in

certain areas may be or become our competitors in other areas. In addition, companies with whom we have vertical relationships also may acquire or form relationships with our competitors, which could reduce their business with us. If we are unable to effectively manage these complicated relationships with vertical partners, our business and results of operations could be adversely affected. We face aggressive price competition and may continue to do so. As a consequence of inflation and higher supply chain and manufacturing costs, we have in the past increased the prices of many of our products and services to maintain or improve our revenue and gross margin, and may do so again in the future. In addition, competitors who have a greater presence in some of the lower-cost markets in which we compete, or who can obtain better pricing, more favorable contractual terms and conditions, or more favorable allocations of products and components during periods of limited supply may be able to offer lower prices than we are able to offer. Our cash flows, results of operations, and financial condition may be adversely affected by these and other industry-wide pricing pressures. Because our business model is based on providing innovative and high-quality products and services, we may spend a proportionately greater amount of our revenues on R&D than some of our competitors. If we cannot proportionately decrease our cost structure (apart from R&D expenses) on a timely basis in response to competitive price pressures, our profitability could be adversely affected. In addition, if our pricing and other facets of our offerings are not sufficiently competitive, or if there is an adverse reaction to our product decisions, we may lose market share in certain areas, which could adversely affect our financial performance and business prospects. Even if we are able to maintain or increase market share for a particular product, its financial performance could decline because the product is in a maturing industry or market segment or contains technology that is becoming obsolete. Financial performance could decline due to increased competition from other types of products that perform similar functions as our offerings. International Risks Due to the international nature of our business, political or economic changes and the laws and regulatory regimes applying to international transactions or other factors could harm our future revenue, costs and expenses, and financial condition. Our business and financial performance depend significantly on worldwide economic conditions and the demand for technology hardware, software, and services in, and continued access to, the markets in which we compete. Economic weakness and uncertainty and the volatile inflationary environment have constrained spending on network and enterprise infrastructure. This has in the past adversely affected the demand for our products, services, and solutions, which has impacted our financial condition and results of operations, all of which we may experience again in the future. These have, at times in the past, resulted in increased expenses due to higher allowances for doubtful accounts and potential goodwill and asset impairment charges (among other financial impacts), and made it more difficult for us to manage inventory and make accurate forecasts of revenue, gross margin, cash flows, and expenses, and may have such effects again in the future. Such factors, including how long such conditions may persist, among others, may negatively impact the evenness or volume of demand for our products and services, potentially resulting in impacts similar to those mentioned above, though the precise extent of such impacts cannot be accurately predicted. Economic weakness and uncertainty could cause our expenses to vary materially from our expectations. Any financial turmoil affecting the banking system and financial markets, or any significant financial services institution failures could negatively impact our treasury operations, as the financial condition of such parties may deteriorate rapidly and without notice in times of market volatility and disruption. Interest and other expenses have varied, and could continue to vary, materially from expectations depending on changes in interest rates, borrowing costs, currency exchange rates, costs of hedging activities, and the fair value of derivative instruments. It is difficult to predict the impact of such events on us, our third-party partners, our customers, or economic markets more broadly, which have been and will continue to be highly dependent upon the actions of governments and businesses in response to macroeconomic events, and the effectiveness of those actions. Such actions have impacted, and may further impact our ability, desire, or the timing of seeking funding for various investment opportunities. Economic downturns also may lead to restructuring actions and associated expenses. Further, reduced U.S. federal government spending may limit demand for our products, services, and solutions from organizations that receive funding from the U.S. government, and could negatively affect macroeconomic conditions in the United States, which could further reduce demand for our products, services, and solutions. Our business and financial performance also could be adversely affected by changes in U.S. trade policy, U.S. export controls and sanctions, and U.S. regulations concerning imports, as well as international laws and regulations relating to global trade. Current U.S. government trade policy includes the imposition of tariffs on certain foreign goods, including information and communication technology products. These measures have materially increased costs for certain goods imported into the United States. As a result, our business has in the past been impacted by forced material price increases, which in turn resulted 27Table of Contentin price increases for our offerings, which subsequently limited demand or reduced margins for our offerings, all of which may impact us again from time to time in the future. Additionally, U.S. trading partners may adopt their own trade policies making it more difficult or costly for us to export our products to those countries. Similarly, changes in regulations relating to certain exports, including economic sanctions, have led to export delays and prevented us, and could in the future prevent us, from exporting products to certain locations or customers entirely, which have in some instances impacted, and could in the future impact, our financial performance. In addition, changes in requirements relating to making foreign direct investments could increase our cost of doing business in certain jurisdictions, prevent us from shipping products to particular countries or markets, affect our ability to obtain favorable terms for components, increase our operating costs, or lead to penalties or restrictions. While we have policies and procedures designed to facilitate compliance with global trade laws and regimes around the world, such measures may not guarantee compliance. Sales outside the United States constituted approximately 64% of our net revenue in fiscal 2024. As such, our future business and financial performance could suffer due to a variety of international factors in addition to those otherwise already disclosed, including: a) ongoing uncertainties as a result of instability or changes in geopolitical conditions, including military or political conflicts, such as those caused by the ongoing conflicts between Russia and Ukraine or in the Middle East (the potential escalation or geographic expansion of which could heighten other risks identified in this report), or the relationship between China and the U.S. (which could, among other things, impact the enforceability of certain contracts or the timing and form of certain payments); b) inflationary pressures, which have in the past increased, and may in the future increase costs for materials, supplies, and services, including those of third parties with whom we do business; c) adverse or uncertain macroeconomic conditions, including a changing interest rate environment and fears of a potential global economic downturn or recession, which have at times in the past slowed customer demand for our products and services, and may do so again in the future; d) network security, privacy, and data sovereignty concerns, which could make foreign customers reluctant to purchase products and services from U.S.-based technology companies; e) longer collection cycles and financial instability among customers, which could impact our ability to collect on accounts receivable and consequently recognize revenue; f) local labor conditions and regulations, including local labor issues faced by specific suppliers and OEMs, or changes to immigration and labor law policies which may adversely impact our access to technical and professional talent; g) managing our geographically dispersed workforce, which has necessitated, and may in the future require, incurring costs to promote seamless workforce connectivity and to comply with changing laws, regulations and workers' rights councils across multiple jurisdictions; h) differing technology standards or customer requirements, which have required us to incur additional development and production costs to modify or adapt our offerings, and may do so again in the future; i) local content and manufacturing requirements, which have impacted, and could further impact, our ability to sell into those markets; j) difficulties associated with repatriating earnings in restricted countries, and changes in tax laws, which introduces uncertainty to our results of operations and financial performance; and k) fluctuations in freight costs, limitations on shipping and receiving capacity, and other disruptions in the transportation and shipping infrastructure at important geographic points of exit and entry for our products and shipments, which have from time to time adversely impacted, and any of which could in the future adversely impact, our results of operations and ability to meet customer demand. Certain of the factors described above have, in the past, disrupted the operations of, and adversely impacted our product and component manufacturing and key suppliers, customers, or vendors located outside of the United States, and could do so again in the future. For example, we rely on suppliers in Asia for product assembly and manufacture, the operations of whom are subject to local labor laws and other requirements. Any loss of or limitations on their output or their inability to operate could have an adverse effect on our ability to timely deliver our products and services, which would in turn negatively impact our financial performance. Further, the ongoing conflict between Russia and Ukraine and the trade sanctions imposed by the U.S., the European Union (the "EU"), and other countries in response have negatively impacted business and financial performance in that region. HPE is continuing to execute on the exit of our remaining business in Russia and Belarus as planned; however, we cannot provide any assurance that such exit will be efficient or uninterrupted, which may negatively impact our operational expenses. 28Table of ContentWe implement policies, procedures, and training designed to facilitate compliance with anti-corruption laws around the world, including the U.S. Foreign Corrupt Practices Act and the U.K. Bribery Act. However, such measures may not guarantee compliance, and our employees and third parties with whom we work may take actions in violation of such policies or such anti-corruption laws. Furthermore, in many foreign countries, particularly in those with developing economies, people may engage in business practices prohibited by anti-corruption laws. Violations of such laws may result in severe criminal or civil sanctions and penalties, and we may be subject to those and other liabilities that could have an adverse effect on our business, results of operations, and financial condition. We are exposed to fluctuations in foreign currency exchange rates. Conducting business in currencies other than the U.S. dollar, including the euro, the Japanese yen, and British pound has, from time to time, adversely impacted, and could in the future, have an adverse impact on our results as expressed in U.S. dollars. Currency volatility contributes to variations in our sales of products and services in impacted jurisdictions. Fluctuations in foreign currency exchange rates have, from time to time, adversely affected, and could in future periods adversely affect our revenue recognition and our revenue growth. In addition, currency variations can adversely affect our ability to implement price increases, margins on sales of our products in countries outside of the United States and margins on sales of products that include components obtained from suppliers located outside of the United States. From time to time, we use forward contracts and options designated as cash flow hedges to protect against foreign currency exchange rate risks, and may continue to do so in the future. The effectiveness of our hedges depends on our ability to accurately forecast future cash flows, which is particularly difficult during periods of uncertain demand for our products and services and highly volatile exchange rates. We may incur significant losses from our hedging activities due to factors such as volatility and currency variations. In addition, certain or all of our hedging activities may be ineffective, may expire and not be renewed or may not offset any or more than a portion of the adverse financial impact resulting from currency variations. Losses associated with hedging activities also may impact our revenue and to a lesser extent our cost of sales and financial condition. Intellectual Property Risks Our financial performance may suffer if we cannot continue to develop, license, or enforce the intellectual property rights on which our businesses depend. We rely upon patent, copyright, trademark, trade secret, and other intellectual property laws in the United States, similar laws in other countries, and agreements with our employees, customers, suppliers, and other parties, to establish and maintain intellectual property rights in the products and services we sell, provide, or otherwise use in our operations. However, from time to time our intellectual property rights have been challenged, infringed, or circumvented, and any of such rights could be further challenged, invalidated, infringed, or circumvented or such intellectual property rights may not be sufficient to permit us to take advantage of current market trends or to otherwise provide competitive advantages. Further, the laws of certain countries do not protect proprietary rights to the same extent as the laws of the United States. Therefore, in certain jurisdictions we may be unable to protect our proprietary technology adequately against unauthorized third-party copying or use; this, too, could adversely affect our ability to sell products or services and our competitive position. Furthermore, changes in intellectual property laws or their interpretation may impact our ability to protect and assert our intellectual property rights, increase costs and uncertainties in the prosecution of patent applications or related enforcement actions, and diminish the value and competitive advantage conferred by our intellectual property assets. Monitoring and detecting any unauthorized access, use or disclosure of our intellectual property is complex, and we cannot be certain that the protective measures we have implemented will completely prevent misuse. Our ability to enforce our intellectual property rights is subject to litigation risks and uncertainty as to the protection and enforceability of those rights in some countries. If we seek to enforce our intellectual property rights, we may be subject to claims that those rights are invalid or unenforceable, and others may seek counterclaims against us, which could have a negative impact on our business. Effective protection of intellectual property rights is expensive and difficult to maintain, both in terms of application and maintenance costs, as well as the costs of defending and enforcing those rights. Our products and services depend in part on intellectual property and technology licensed from third parties. Much of our business and many of our products rely on key technologies developed or licensed by third parties. For example, many of our software offerings are developed using software components or other intellectual property licensed from third parties, including through both proprietary and open-source licenses. These third-party software components may become obsolete, defective, or incompatible with future versions of our products, our relationship with the third party may deteriorate or cease, or our agreements with the third party may expire or be terminated. We may face legal or business disputes with licensors that may threaten or lead to the disruption of inbound licensing relationships. In order to remain in compliance with the terms of our licenses, we must carefully monitor and manage our use of third-party software components, including both proprietary and open source license terms that may require the licensing or public disclosure of our intellectual property without compensation or on undesirable terms. Additionally, some of these licenses may not be available to us in the future on terms that are acceptable or that allow our product offerings to remain competitive. Our inability to obtain licenses or rights on favorable terms could have a material effect on our business, including our financial condition and results of operations. In 29Table of Contentaddition, it is possible that as a consequence of a merger or acquisition, we may acquire intellectual property subject to licensing obligations to third parties, other third parties may obtain licenses to some of our intellectual property rights or our business may be subject to certain restrictions that were not in place prior to such transaction. Because the availability and cost of licenses from third parties depends upon the willingness of third parties to deal with us on the terms we request, there is a risk that third parties who license to our competitors will either refuse to license us at all, or refuse to license us on terms equally favorable to those granted to our competitors. Consequently, we may lose a competitive advantage with respect to these intellectual property rights or we may be required to enter into costly arrangements in order to terminate or limit these rights. Third-party claims of intellectual property infringement, including patent infringement, are commonplace in our industry and successful third-party claims may limit or disrupt our ability to sell our products and services. Third parties may claim that we or customers indemnified by us are infringing upon or otherwise violating their intellectual property rights. Patent assertion entities frequently purchase intellectual property assets for the purpose of extracting infringement settlements. Furthermore, our exposure to these risks associated with the use of intellectual property may be increased as a result of acquisitions; not only do we have a lower level of visibility into the development process with respect to such technology or the care taken to safeguard against infringement risks, but also third parties may make infringement and similar claims only after we have acquired technology that had not been asserted prior to our acquisition. If we cannot license, or replace, allegedly infringed intellectual property on reasonable terms, our operations could be adversely affected. In addition, there is uncertainty around the validity and enforceability of intellectual property rights related to our use, development, and deployment of AI and AI systems and solutions. Our use of AI technologies, whether created by us for internal or customer use cases or otherwise incorporated from external sources into our offerings, could lead to violation of third-party intellectual property rights, and could require us to incur significant expenses to modify our solutions and processes or otherwise engage in efforts to remain in compliance with the law. Even if we believe that intellectual property claims are without merit, they can be time-consuming and costly to defend against and may divert management's attention and resources away from our business. Claims of intellectual property infringement also might require us to redesign affected products, discontinue certain product offerings, enter into costly settlement or license agreements, pay costly damage awards, or face a temporary or permanent injunction prohibiting us from importing, marketing, or selling certain of our products. Even if we have an agreement to indemnify us against such costs, the indemnifying party may be unable or unwilling to uphold its contractual obligations to us. Financial Risks Adverse developments affecting our liquidity, capital position, borrowing costs, and access to capital markets could adversely impact our business, financial condition, and results of operations or those of the third parties with whom we do business. We currently maintain investment grade credit ratings with Moody's Investors Service, Standard & Poor's Ratings Services, and Fitch Ratings Services. Despite these investment grade credit ratings at this time, we may experience downgrades in our credit ratings for various reasons, including but not limited to for reasons in connection with the substantial amount of debt we have incurred and expect to assume in connection with the Merger. Any such downgrades could increase the cost of borrowing under any indebtedness we may incur, jeopardize our ability to incur debt on terms acceptable to us, reduce market capacity for our commercial paper, or require the posting of additional collateral under our derivative contracts. Additionally, increased borrowing costs, including those arising from a credit rating downgrade, can potentially reduce the competitiveness of our financing business. There can be no assurance that we will be able to maintain our credit ratings, and any additional actual or anticipated changes or downgrades in our credit ratings, including any announcement that our ratings are under review for a downgrade, may have a negative impact on our liquidity, capital position, and access to capital markets. In addition, volatility and disruption in the financial sector and capital markets and other events negatively affecting macroeconomic conditions or contributing to the instability or volatility

thereof, such as changing interest rates, have from time to time in the past impacted, and may in the future impact, our liquidity, capital position, and access to capital markets. Our total liquidity depends in part on the availability of funds under the revolving credit facility and our other financing agreements. The failure of any lender's ability to fund future draws on our revolving credit facility or our other financing arrangements could reduce the amount of cash we have available for operations and additional capital for future needs. The future effects of such events are unknown and difficult to predict at this time, and could adversely affect us, our customers, financial institutions, transactional counterparties, or others with which we do business, which may in turn have adverse impacts on our current and/or projected business operations, financial condition, and our results of operations. Our obligation to consummate the Merger is not subject to a financing condition, and as such, may be subject to events beyond our control, such as the timing of receipt of regulatory approvals. Further, portions of our recently issued debt contain special mandatory redemption provisions, and if we do not consummate the Merger before October 2025, we may be required to redeem certain series of such debt, which would result in less flexibility to address other funding needs. Our debt obligations may adversely affect our business and our ability to meet our obligations and pay dividends. In addition to our current total carrying debt, we may also incur additional indebtedness in the future. In order to consummate the Merger, we have incurred a substantial amount of debt, and plan to incur further debt, as well. This collective 30Table of Contentamount of debt could have important adverse consequences to us and our investors, including requiring a substantial portion of our cash flow from operations to make principal and interest payments; making it more difficult to satisfy other obligations; increasing the risk of a future credit ratings downgrade of our debt, which could increase future debt costs and limit the future availability of debt financing; increasing our vulnerability to general adverse economic and industry conditions; reducing the cash flows available to fund capital expenditures and other corporate purposes and to grow our business; limiting our flexibility in planning for, or reacting to, changes in our business and industry; and limiting our ability to borrow additional funds as needed or take advantage of business opportunities as they arise, pay cash dividends or repurchase our common stock. While the U.S. Federal Reserve has begun lowering interest rates and signaled its intention to keep doing so, macroeconomic circumstances may change, resulting in delays or reversal of such actions, including by central banks around the world, which may result in a prolonged high interest rate environment and affect our ability to incur debt at reasonable prices or our desire to incur further debt at all. To the extent that we incur additional indebtedness, the risks described above could increase, including requiring additional expected cash flows from operations to service our debt. In addition, our actual cash requirements to operate our business in the future may be greater than expected. Our cash flow from operations may not be sufficient to service our outstanding debt or to repay our outstanding debt as it becomes due, and we may not be able to borrow money, sell assets, or otherwise raise funds on acceptable terms, or at all, to service or refinance our debt. The revenue and profitability of our operations have historically varied, which makes our future financial results less predictable. Our revenue, gross margin, and profit vary among our diverse products and services, customer groups, and geographic markets and therefore, will likely be different in future periods than our historical results. Our revenue depends on the overall demand for our products and services, which is difficult to accurately predict, varies from time to time, may be uneven across our portfolio of offerings, and is subject to industry-wide or broader macroeconomic market dynamics, all of which have in the past adversely impacted, and may again in the future adversely impact, our business and financial condition. Additionally, the varying sizes of customer contracts or orders, variations in customer acceptances of delivered orders, the timing thereof, and cancellations and/or de-bookings of such orders (due to various reasons, including but not limited to failure to satisfy terms and compliance matters, whether initiated by us or the customer) can be uneven across our portfolio and have at times impacted, and in the future could impact, our pipeline, bookings and our ability to recognize revenue, if at all (particularly with respect to contracts and orders involving our AI offerings). Such variables have in the past negatively impacted our financial performance, and may do so again in the future. Delays or reductions in discretionary IT spending by our customers or potential customers have had, and in the future could have a material adverse effect on demand for our products and services, which could result in a significant decline in revenue. For example, we have seen demand soften unevenly across our portfolio and geographies, which may continue, as certain customers and sectors have been taking longer than anticipated to digest prior large orders. In addition, revenue declines in some of our businesses may affect revenue in our other businesses as we may lose cross-selling opportunities. Overall gross margins and profitability in any given period are dependent partially on the product, service, customer, and geographic mix reflected in that period's net revenue. Furthermore, the relationship between China and the U.S., and any subsequent action that may be taken by either country, may significantly vary the results our operations and financial performance from that region. There could be additional uncertainty surrounding the enforceability of contract obligations, as well as the timing and form of payments from China. Competition, lawsuits, investigations, increases in component and manufacturing costs that we are unable to pass on to our customers, component supply disruptions, and other risks affecting our businesses may have a significant impact on our overall gross margin and profitability. Variations in our fixed cost structure and gross margins across business units and product portfolios, have from time to time led to, and may lead to significant operating profit volatility on a quarterly or annual basis in the future. In addition, newer geographic market opportunities may be relatively less profitable due to our investments associated with entering those markets and local pricing pressures, and we may have difficulty establishing and maintaining the operating infrastructure necessary to support the high growth rate associated with some of those markets. Market trends, industry shifts, competitive pressures, commoditization of products, increased component or shipping costs, regulatory impacts, and other factors have from time to time resulted in, and may in the future result in, reductions in revenue or pressure on gross margins of certain segments in a given period, which may lead to adjustments to our operations. Moreover, our efforts to address the challenges facing our business could increase the level of variability in our financial results because the rate at which we are able to realize the benefits from those efforts may vary from period to period. Our uneven sales cycle and supply chain disruptions make planning and inventory management difficult and future financial results less predictable. In some of our businesses, our quarterly sales have periodically reflected a pattern in which a disproportionate percentage of each quarter's total sales occurs towards the end of the quarter. This uneven sales pattern makes predicting revenue, earnings, cash flow from operations, and working capital for each financial period difficult, increases the risk of unanticipated variations in our quarterly results and financial condition, and places pressure on our inventory management and logistics systems. If predicted demand is substantially greater than orders, there may be excess inventory; and alternatively, if 31Table of Contentorders substantially exceed predicted demand, we may not be able to fulfill all of the orders received in each quarter and such orders may be canceled, all of which we experienced from time to time in the past and may do so again in the future. Depending on when they occur in a quarter, developments such as a systems failure, component pricing movements, component shortages, or global logistics disruptions, have in the past adversely impacted, and could in the future adversely impact, our inventory levels and results of operations in a manner that is disproportionate to the number of days in the quarter affected. We experience some seasonal trends in the sale of our products that also have produced, and may in the future produce, variations in our quarterly results and financial condition. Many of the factors that create and affect seasonal trends are beyond our control. Separately, periodic supply chain shortages and constraints have, in some instances, resulted in, and may result in, increases to the costs of production of our hardware products that we have, at times, not been able to, and may, in the future, not be able to pass on to our customers. We have, in some instances, responded to such constraints by committing to higher inventory purchases and balances relative to our historical positions in order to secure manufacturing capacity, components to fulfill orders, or both. While these measures have been taken to shorten lead times to deliver products to customers, they may also result in excess or obsolete components in the future if the demand for our products is less than we anticipate or orders are cancelled, which could adversely affect our business and financial performance. We make estimates and assumptions in connection with the preparation of our Consolidated Financial Statements and any changes to those estimates and assumptions could adversely affect our results of operations. In connection with the preparation of our Consolidated Financial Statements, we use certain estimates and assumptions based on historical experience and other factors. Our most critical accounting estimates are described in the section entitled "Management's Discussion and Analysis of Financial Condition and Results of Operations." In addition, as discussed in Note 1, "Overview and Summary of Significant Accounting Policies" "Use of Estimates" and Note 17, "Litigation, Contingencies, and Commitments" to our Consolidated Financial Statements in Item "8 of Part II, we make certain estimates, including decisions related to provisions for legal proceedings and other contingencies. While we believe that these estimates and assumptions are reasonable under the circumstances, they are subject to significant uncertainties, some of which are beyond our control. Should any of these estimates and assumptions change or prove to have been incorrect, it could adversely affect our results of operations. Declaration, payment and amounts of dividends, if any, to holders of our shares will be uncertain. Our board of directors will have the discretion to determine whether any dividends on our common stock will be declared, when dividends, if any, are declared, and the amount of such dividends. We expect that such determination would be based on a number of considerations, including our results of operations and capital management plans, availability of funds, our access to capital markets, as well as industry practice, and other factors deemed relevant by our board of directors. In addition, on September 13, 2024, we issued 30,000,000 shares of 7.625% Series C Mandatory Convertible Preferred Stock with a dividend rate of 7.625% per annum on the liquidation preference of \$50 per share (the "Preferred Stock"). The Preferred Stock ranks senior to our common stock with respect to the payment of dividends. As long as any share of Preferred Stock is outstanding, unless all accumulated and unpaid dividends on the Preferred Stock for all preceding dividend periods have been declared and paid in full or declared and set apart for payment, we may not declare, pay or set apart for payment any dividends on our common stock or any other class or series of stock that ranks junior to the Preferred Stock. Dividends on the Preferred Stock are discretionary and cumulative. Holders of Preferred Stock will only receive dividends on their shares when, as and if declared by our board of directors. If dividends on the Preferred Stock have not been declared and paid for the equivalent of six or more quarterly dividend periods, whether or not consecutive, holders of Preferred Stock, together as a class with holders of any other series of parity stock with like voting rights, will be entitled to vote for the election of two additional directors to our board of directors. This right to elect additional directors to our board of directors will dilute the representation of our stockholders on our board of directors and may adversely affect the market price of our common stock. When quarterly dividends have been declared and set apart for payment in full, the right of the holders of Preferred Stock to elect these two additional directors will cease, the terms of office of these two directors will forthwith terminate and the number of directors constituting our board of directors will be reduced accordingly. Additional risks related to the Preferred Stock are contained in the prospectus supplement dated September 10, 2024. Regulatory and Government Risks Our business is subject to various federal, state, local and foreign laws and regulations that could result in costs or other sanctions that adversely affect our business and results of operations. We are subject to various US (federal, state, and local), and foreign laws and regulations. Laws and regulations may change in ways that will require us to modify our business model and objectives or affect our returns on investments by restricting existing activities and products, subjecting them to escalating costs or prohibiting them outright. For example, as a result of laws and regulations concerning responsible and sustainable business practices, we face increasing complexity related to product design, safety and compliance; the use of regulated, hazardous, and scarce materials; the management, movement and disposal of hazardous substances and waste; the associated energy consumption and efficiency related to operations and the 32Table of Contentuse of products, services, and solutions; the transportation and shipping of products and other materials; supply chain due diligence; climate change adaptation and mitigation; greenhouse gas emissions; sustainability-related regulations and reporting requirements; and the reuse, recycling and/or disposal of products and their components at end-of-use or useful life and associated operational or financial responsibility. A significant portion of our hardware revenues come from international sales. Any changes to current environmental legal requirements may increase our cost of doing business internationally and impact our hardware revenues from the EU, U.S., China, India and/or other countries proposing or adopting similar environmental legal requirements. In addition, other sustainability reporting-related laws, regulations, treaties, and similar initiatives and programs are being proposed, adopted, and implemented throughout the world. If we were to violate or become liable under environmental or certain sustainability-related laws or if our products become non-compliant with such laws or market access requirements, it could result in loss of market access or limit offerings in those markets or our customers may refuse to purchase our products, and we could incur costs or face other sanctions, such as restrictions on our products entering certain jurisdictions, fines, and/or civil or criminal sanctions. Environmental regulations may also impact the availability and cost of energy or emissions related to energy consumption which may increase our cost of manufacturing and/or the cost of powering and cooling owned IT infrastructures. In addition, our business is subject to an ever-growing number of laws and regulations addressing privacy and information security, including the use of AI. In particular, we face an increasingly complex global regulatory environment and patchwork of state laws in the U.S., increasing the risks addressing these regulatory requirements and in responding to potential security and data incidents. The increase inaaS offerings may also be impacted by data localization and international data transfer requirements under various privacy laws, including the European Union's General Data Protection Regulation. Given our significant employee and operational presence in India, the Digital Personal Data Protection Act (which was approved in August 2023) has imposed, and may continue to impose, additional restrictions and compliance costs on us. Furthermore, the rapid development and deployment of tools that leverage AI is also causing governments to consider and implement regulation of AI, even for AI that does not pertain to personal data, which is impacting and may further impact the use and incorporation of AI capabilities in our offerings and in our customer's demand for such offerings. We have received inquiries, and may be subject to demands, claims, lawsuits, regulatory investigations, and additional inquiries (including those from U.S. or foreign governmental authorities), relating to AI use cybersecurity and data incidents that we have experienced or may in the future experience. If we were to violate or become liable under laws or regulations associated with privacy or security or the use of AI, we could incur substantial costs or be exposed to potential regulatory fines, civil or criminal sanctions, third-party claims, and reputational damage. Our actual or perceived failure to comply with applicable laws and regulations or other obligations relating to these topics could subject us to liability to our customers, data subjects, suppliers, business partners, employees, and others, give rise to legal and/or regulatory action, could damage our reputation or could otherwise materially harm our business, any of which could have an adverse effect on our business, operating results, and financial condition. Jurisdictions in which we have significant operations and assets, such as the U.S., China, India, and the E.U., each have exercised and continue to exercise significant influence over many aspects of their domestic economies including, but not limited to fair competition, tax practices, anti-corruption, anti-trust, responsible sourcing and human rights (including the use of conflict minerals), price controls and international trade, which have had and may continue to have an adverse effect on our business operations and financial condition. Contracts with federal, state, provincial, and local governments are subject to a number of challenges and risks that may adversely impact our business. Our contracts with federal, state, provincial, and local governmental customers are subject to various government procurement laws and regulations, required contract provisions, and other requirements relating to contract formation, administration, and performance, as well as local content, manufacturing, information security and security requirements. Any violation of government contracting laws and regulations or contract terms could result in the imposition of various civil and criminal penalties, which may include termination of contracts, forfeiture of profits, suspension of payments and fines, treble damages, and suspension from future government contracting. Additionally, changes in underlying regulatory requirements that vary across the geographies in which we operate could increase compliance costs and risks. Such failures could also cause reputational damage to our business. In addition, in the US, we will continue to be subject to qui tam litigation brought by private individuals on behalf of the government relating to our government contracts. If we are suspended or disbarred from government work or if our ability to compete for new government contracts is adversely affected, our financial performance could suffer. Government contracts impose additional challenges and risks to our sales efforts. Government demand and payment for our products and services may be impacted by public sector budgetary cycles and funding authorizations, including in connection with an extended government shutdown, with funding reductions, or delays adversely affecting public sector demand for our products and services. Such developments could result in material payment delays, payment reductions, or contract terminations by our governmental customers, which may impact our results of operations and financial condition. These may also adversely impact the results of operations and financial condition of government contractors with whom we 33Table of Contentconduct business. This may cause those government contractors to become unable to meet their obligations under contracts with us. Unanticipated changes in our tax provisions, the adoption of new tax legislation or exposure to additional tax liabilities could affect our financial performance. We are subject to income and other taxes in the United States and numerous foreign jurisdictions. Our tax liabilities are affected by the amounts we charge in intercompany transactions for inventory, services, licenses, funding, and other items. We are subject to ongoing tax audits in various jurisdictions. Tax authorities may disagree with our intercompany charges, cross-jurisdictional transfer pricing or other matters, and may assess additional taxes as a result. There can be no assurance that we will accurately predict the outcomes of these audits, and the amounts ultimately paid upon resolution of audits could be materially different from the amounts previously included in our income tax expense and therefore could have a material impact on our tax provision, net income and cash flows. In addition, our effective tax rate in the future could be adversely affected by acquisitions, changes to our operating structure, changes in the mix of earnings in countries with differing

statutory tax rates, changes in the valuation of deferred tax assets and liabilities, changes in tax laws, and the discovery of new information in the course of our tax return preparation process. The carrying value of our deferred tax assets is dependent on our ability to generate future taxable income. The Organization for Economic Co-operation and Development (   OECD   ), an international association of 38 countries including the United States, has proposed changes to numerous long-standing tax principles, namely, its Pillar Two framework, which imposes a global minimum corporate tax rate of 15%. To date, 43 countries have enacted portions, or all, of the OECD proposal and a further 22 countries have drafted, or have announced an intent to draft, legislation enacting the proposed rules. Where enacted, the rules begin to be effective for us in fiscal 2025. Under US GAAP, the OECD Pillar Two rules are considered an alternative minimum tax, and therefore deferred taxes would not be recognized or adjusted for the estimated effects of the future minimum tax. As a result, there was no impact to our fiscal 2024 results. The adoption and effective dates of these rules may vary by country and could increase tax complexity and uncertainty and may adversely affect our provision for income taxes. We currently do not expect a material impact to our fiscal 2025 results.During fiscal 2019, we executed a Termination and Mutual Release Agreement which terminated our Tax Matters Agreement with HP Inc. Because we now have limited indemnity rights from HP Inc., we potentially bear more economic risk for certain potential unfavorable tax assessments.Risks Related to Prior Separations The stock distribution in either or both of the completed separations of our former Enterprise Services business and our former Software segment could result in significant tax liability, and DXC Technology Company or Micro Focus International plc (as applicable) may in certain cases be obligated to indemnify us for any such tax liability imposed on us. The completed separations and mergers of our former Enterprise Services business with DXC Technology Company (   DXC   ) (the    Everett Transaction    or    Everett   ) and our Software Segment with Micro Focus International plc (   Micro Focus   ) (the    Seattle Transaction    or    Seattle   ) were conditioned upon the receipt of an opinion from outside counsel regarding the qualification of (i) the relevant distribution and related transactions as a    reorganization    within the meaning of Sections 368(a), 361 and 355 of the Internal Revenue Code of 1986 (the    Code   ) and (ii) the relevant merger as a    reorganization    within the meaning of Section 368(a) of the Code. While the Seattle Transaction generally qualified for tax-free treatment for us, Seattle SpinCo and Micro Focus, the acquisition of Seattle SpinCo by Micro Focus resulted in the recognition of gain (but not loss) for U.S. persons who received Micro Focus American Depositary Shares in the Software separation.Each opinion of outside counsel was based upon and relied on, among other things, certain facts and assumptions, as well as certain representations, statements and undertakings of us, Everett SpinCo and CSC, or us, Seattle SpinCo and Micro Focus, as applicable. If any of these representations, statements or undertakings are, or become, inaccurate or incomplete, or if any party breaches any of its covenants in the relevant separation documents, the relevant opinion of counsel may be invalid and the conclusions reached therein could be jeopardized. Notwithstanding the opinions of counsel, the Internal Revenue Service (the    IRS   ) could determine that either or both of the distributions should be treated as a taxable transaction if it determines that any of the facts, assumptions, representations, statements or undertakings upon which the relevant opinion of counsel was based are false or have been violated, or if it disagrees with the conclusions in the opinion of counsel. An opinion of counsel is not binding on the IRS and there can be no assurance that the IRS will not assert a contrary position.If the distribution of Everett SpinCo or Seattle SpinCo, as applicable, together with certain related transactions, failed to qualify as a transaction that is generally tax-free, for U.S. federal income tax purposes, under Sections 355 and 368(a)(1)(D) of the Code, in general, we would recognize taxable gain as if we had sold the stock of Everett SpinCo or Seattle SpinCo, as applicable, in a taxable sale for its fair market value, and our stockholders who receive Everett SpinCo shares or Seattle SpinCo shares in the relevant distribution would be subject to tax as if they had received a taxable distribution equal to the fair market value of such shares.34Table of ContentWe obtained private letter rulings from the IRS regarding certain U.S. federal income tax matters relating to the separation of our Enterprise Services business and Software Segment. Those rulings concluded that certain transactions in those separations are generally tax-free for U.S. federal income tax purposes. The conclusions of the IRS private letter rulings were based, among other things, on various factual assumptions we have authorized and representations we have made to the IRS. If any of these assumptions or representations are, or become, inaccurate or incomplete, the validity of the IRS private letter rulings may be affected. Notwithstanding the foregoing, we incurred certain tax costs in connection with the completed separation of our former Enterprise Services business and Software Segment, including non-U.S. tax expenses resulting from the completed separation of our former Enterprise Services business and Software Segment in multiple non-U.S. jurisdictions that do not legally provide for tax-free separations, which may be material. If the completed separation of our former Enterprise Services business or Software Segment (including certain internal transactions undertaken in anticipation of those separations) are determined to be taxable for U.S. federal income tax purposes, we, our stockholders that are subject to U.S. federal income tax and/or DXC and/or Micro Focus could incur significant U.S. federal income tax liabilities.We continue to face a number of risks related to our separation from HP Inc., our former parent, including those associated with ongoing indemnification obligations, which could adversely affect our financial condition and results of operations, and shared use of certain intellectual property rights, which could in the future adversely impact our reputation. In connection with our separation from HP Inc. on November 1, 2015 (the    Separation   ), Hewlett Packard Enterprise and HP Inc. entered into several agreements that determine the allocation of assets and liabilities between the companies following the Separation and include any necessary indemnifications related to liabilities and obligations. In these agreements, HP Inc. agreed to indemnify us for certain liabilities, and we agreed to indemnify HP Inc. for certain liabilities, including cross-indemnities that are designed and intended to place financial responsibility for the obligations and liabilities of our business with us, and financial responsibility for the obligations and liabilities of HP Inc.'s business with HP Inc. We may be obligated to fully indemnify HP Inc. for certain liabilities under the Separation agreements or HP Inc. may not be able to fully cover their indemnification obligations to us under the same Separation agreements. Each of these risks could negatively affect our business, financial position, results of operations, and cash flows. In addition, the terms of the Separation also include licenses and other arrangements to provide for certain ongoing use of intellectual property in the operations of both businesses. For example, through a joint brand holding structure, both Hewlett Packard Enterprise and HP Inc. retain the ability to make ongoing use of certain variations of the legacy Hewlett-Packard and HP branding, respectively. As a result of this continuing shared use of the legacy branding there is a risk that conduct or events adversely affecting the reputation of HP Inc. could also adversely affect our reputation. General Risks Our stock price has fluctuated and may continue to fluctuate, which may make future prices of our stock difficult to predict. Investors should not rely on recent or historical trends to predict future stock prices, financial condition, results of operations, or cash flows. Our stock price, like that of other technology companies, can be volatile and can be affected by, among other things, speculation, coverage, or sentiment in the media or the investment community; the announcement and anticipated timing of new, planned or contemplated products, services, technological innovations, acquisitions, divestitures, or other significant transactions by us or our competitors; developments in our as-a-service business model; our perceived progress in integrating acquired companies; our quarterly financial results and comparisons to estimates by the investment community or financial outlook provided by us; the financial results and business strategies of our competitors; inflation; market volatility or downturns caused by outbreaks, epidemics, pandemics, geopolitical tensions or conflicts, or other macroeconomic dynamics; developments relating to pending investigations, claims, and disputes; or the timing and amount of our share repurchases. General or industry specific market conditions or stock market performance or domestic or international macroeconomic and geopolitical factors unrelated to our performance also may affect the price of our stock. Volatility in the price of our securities could result in the filing of securities class action litigation matters, which could result in substantial costs and the diversion of management time and resources.35Table of ContentITEM 1B. Unresolved Staff Comments.None.ITEM 1C. Cybersecurity.Risk Management and Strategy Our Cybersecurity and Digital Risk Management (   CDRM   ) organization, under the leadership of a Global Chief Information Security Officer (   Global CISO   ), operates a cybersecurity program that is designed to help us assess, identify, manage, and mitigate risks relating to cybersecurity threats and incidents. We design our cybersecurity standards, policies, processes and controls to operate in an integrated manner, leveraging applicable industry standards and security frameworks, including the NIST Cybersecurity Framework, as guides in supporting our ability to perform such functions. CDRM manages our cybersecurity program, including by fostering collaboration with partners across business units and functional areas to identify and assess material cybersecurity threats, evaluate their severity, and explore ways to mitigate and manage such risks. Business units and functional areas are responsible for managing risks and implementing our policies and standards within the respective business unit or function. Compliance with our policies and standards is assessed by CDRM in conjunction with our internal audit function, through periodic cybersecurity audits. As part of our cybersecurity program, we maintain a Cyber Risk Management Program that seeks to address key risk management concepts, including mission and vision, escalation path for risk mitigation, risk assessments, and risk treatment. We do so by conducting a variety of planning and preparedness activities, including employing monitoring tools to identify suspicious or anomalous activity, vulnerabilities, or signs of compromise across our networks, systems, and data. We utilize data from attack surface management tools to produce a prioritized set of vulnerabilities for remediation. We also require mandatory cybersecurity training for employees and periodically conduct Company-wide phishing simulations. To aide in assessing material risks from cybersecurity threats, our enterprise risk management (   ERM   ) program incorporates cybersecurity risks as part of its process to assess overall risk of the Company. The ERM organization supports management by facilitating a semi-annual risk assessment, which documents the priority and status of these risks and aligns them with our strategic mitigation efforts. ERM is structured using a framework based on guidance from the Committee of Sponsoring Organizations of the Treadway Commission on Enterprise Risk Management Integrating Strategy with Performance. Within CDRM, our Cybersecurity Defense Center (   CDC   ) has established policies, processes, and controls that are designed to monitor, detect, investigate, respond to, and escalate management of cybersecurity threats and incidents. If we experience a cybersecurity incident, the CDC activates an incident response plan, which includes processes to enable us to triage, assess severity of, escalate, contain, investigate, and remediate the incident, as well as to comply with applicable legal obligations and mitigate brand and reputational harm. Based on initial investigation into such incident   s impact to the Company, the actor(s) involved, and other factors, the CDC assigns a severity level to an incident, which dictates the escalation path for a given incident. For incidents rising to higher levels of severity, the Cyber Governance and Incident Disclosure Committee, a cross-functional committee spanning cybersecurity, IT, legal, finance, enterprise risk management, and compliance teams, assesses the severity and potential materiality of such incidents and, as appropriate, escalates to designated members of our senior management for further assessment, response, and remediation. Additionally, we have established a Cyber Crisis Management Team, responsible for addressing and responding to the most severe cyber incidents. If warranted, senior management notifies the Audit Committee and/or the full Board of Directors, as appropriate. Throughout this process, the CDC continues to investigate the incident and, as its understanding of the incident evolves, updates its severity assessment, as necessary. We engage third-party security experts, assessors, and consultants, as appropriate, to assess our cybersecurity risk management processes; support our ongoing certification efforts; help identify areas for continued focus, improvement, and compliance; and support incident response functions, to the extent necessary, all of which support our cybersecurity program. From time to time, we conduct third-party-administered, as well as internally administered, tabletop exercises, which simulate cybersecurity threats, to assess our existing cybersecurity infrastructure and incident response processes. We also periodically conduct offensive security assessments and vulnerability tests, and continuously monitor our computing environments to gain visibility into our security posture and detect vulnerabilities, abnormalities, or signs of compromise. In addition to monitoring risks from threats to our own assets, we administer third-party risk management practices that endeavor to help identify and manage supply chain and vendor risk arising from some of our key suppliers and other service provider organizations. We do so in a variety of ways, such as gathering information on third parties    cybersecurity programs and controls, performing due diligence, undertaking cybersecurity reviews and/or audits, and/or mandating certain contractual requirements, such as notification of cybersecurity incidents. 36Table of ContentGovernance Our Global CISO, who reports to our Chief Operating and Legal Officer (   COLO   ), has principal management-level responsibility for our cybersecurity program, which includes assessing and managing our cybersecurity risks, along with developing and implementing cybersecurity processes, policies, and controls that are used for managing cybersecurity risk across the Company. Our Global CISO is supported by the CISO of Cyber Defense and the CISO of Cyber Governance     both of whom have extensive experience in private sector cybersecurity roles     and a team of cybersecurity professionals with relevant educational and industry experience. The Global CISO periodically meets with the Cyber Governance and Incident Disclosure Committee, our enterprise risk management function and chief-level executives to discuss cybersecurity risks, as well as related mitigation and remediation activities. The CDC monitors the prevention, detection, investigation, mitigation, response to, and remediation of cybersecurity incidents, and regularly reports to our CISO of Cyber Defense, who then subsequently reports to the Global CISO.Our Board of Directors is responsible for overseeing cybersecurity risk, primarily through the Audit Committee. Cybersecurity reviews by the Audit Committee and the Board of Directors are scheduled to occur at least quarterly and annually, respectively, or more frequently, as deemed necessary or advisable. Such presentations to the Audit Committee and Board of Directors, as applicable, are made by our COLO and Global CISO and address topics such as cybersecurity threats, incidents, risks, results from internal and third-party assessments, progress towards risk-mitigation goals, the functioning of our incident response program, and regulatory developments. At times, the Audit Committee may receive additional cybersecurity risk reviews from other members of management and/or internal cybersecurity experts on certain of our key business segments and products. The Audit Committee regularly reports to our Board of Directors regarding the committee   s oversight of such cybersecurity matters. Additionally, the COLO and Global CISO may provide ad hoc updates to the Board of Directors and/or the Audit Committee if necessitated by a security incident or other significant developments. HPE, like all organizations operating in the technology landscape, faces significant and persistent cybersecurity risks. To date, no risks from cybersecurity threats, including as a result of any previous cybersecurity incident, have materially affected us, including our business strategy, results of operations, or financial condition. Notwithstanding our cybersecurity program, we may not be successful in identifying a cybersecurity risk or preventing or mitigating a cybersecurity incident or vulnerability, which if realized, could reasonably likely materially affect us. Additional information on the cybersecurity risks we face can be found in the section titled    Risk Factors    in Item 1A of Part I of this Annual Report on Form 10-K.Our prior Global CISO departed HPE at the end of October 2024. We have identified a successor, who will join HPE in January 2025, previously served in relevant leadership positions at other public and private companies, and will bring over two decades of technology experience spanning information security and IT, including serving as CISO at other large companies. In the interim, our CDRM organization has been and will be led by our CISO of Cyber Defense and CISO of Cyber Governance, both reporting directly to our COLO.ITEM 2. Properties.As of October 31, 2024, we owned or leased approximately 11A million square feet of space worldwide, which included 3A million square feet of vacated space. A summary of the Company's operationally utilized space is provided below.    As of October 31, 2024A OwnedLeasedTotalA (Square feet in millions)Administration and support2A 4A 6A (Percentage)33A %67A %100A %Core data centers, manufacturing plants, research and development facilities, and warehouse operations1A 1A 2A (Percentage)50A %50A %100A %A Total3A 5A 8A (Percentage)37A %63A %100A %We believe that our existing properties are in good condition and are suitable for the conduct of our business. Substantially all of our properties are utilized in whole or in part by our Server, Hybrid Cloud, and Intelligent Edge segments.37Table of ContentPrincipal Executive OfficesOur principal executive offices, including our global headquarters, are located at 1701 East Mossy Oaks Road, Spring, Texas, 77389, United States of America. Product Development, Services and ManufacturingThe location of our major product development, services, manufacturing, and Hewlett Packard Labs facilities are as follows:Americas    Puerto Rico    Aguadilla    A United States    Alpharetta, Andover, Chippewa Falls, Colorado Springs, Fort Collins, Houston, Milpitas, Roseville, Santa Clara, Spring, Sunnyvale    Europe, Middle East, Africa    United Kingdom    ErskineAsia Pacific    A China    Beijing    A A India    Bangalore    Japan    TokyoSingapore    SingaporeTaiwan    TaipeiITEM 3. Legal Proceedings.Information with respect to this item may be found in NoteA 17,    Litigation, Contingencies, and Commitments,    to the Consolidated Financial Statements in ItemA 8 of Part II, which is incorporated herein by reference.ITEM 4. Mine Safety Disclosures. Not applicable.38Table of ContentPART IIITEM 5. Market for Registrant's Common Equity, Related Stockholder Matters and Issuer Purchases of Equity Securities. Market InformationThe common stock of Hewlett Packard Enterprise is listed on the New York Stock Exchange with the ticker symbol    HPE.    HoldersAs of DecemberA 9, 2024, there were 43,102 stockholders of record of Hewlett Packard Enterprise common stock.DividendsDuring fiscal 2024, we paid a quarterly dividend of \$0.13 per share of common stock to our holders of common stock. On December 5, 2024 we declared a quarterly dividend of \$0.13 per share of common stock, payable on January 16, 2025, to stockholders of record as of the close of business on December 20, 2024.We also declared a cash dividend of \$0.82604167 per share of our 7.625% Series C Mandatory Convertible Preferred Stock (the    Preferred Stock   ), which was paid on December 1, 2024, to holders of record as of the close of business on November 15, 2024.The payment of any dividends in the future on shares of our common stock and our Preferred Stock, and the timing and amount thereof, is within the sole discretion of our Board of Directors. Our Board of Directors' decisions regarding the payment of dividends will depend on many factors, such as our financial condition, earnings, capital requirements, debt service obligations, restrictive covenants in our debt, industry practice, legal

requirements, regulatory constraints, and other factors that our Board of Directors deems relevant. Our ability to pay dividends will depend on our ongoing ability to generate cash from operations and on our access to the capital markets. Furthermore, so long as any share of our Preferred Stock remains outstanding, no dividend on shares of common stock (or any other class of stock junior to the Preferred Stock) shall be declared or paid unless all accumulated and unpaid dividends for all preceding dividend periods for the Preferred Stock have been declared and paid in full in cash, shares of our common stock or a combination thereof, or a sufficient sum of cash or number of shares of our common stock has been set apart for the payment of such dividends, on all outstanding shares of the Preferred Stock. We cannot guarantee that we will continue to pay a dividend in any future period. Issuer Purchases of Equity SecuritiesFourth Quarter of Fiscal 2024Total Number of Shares Purchased and SettledAverage Price Paid per ShareTotal Number of Shares Purchased as Part of Publicly Announced Plans or ProgramsApproximate Dollar Value of Shares that May Yet Be Purchased under the Plans or ProgramsIn thousands, except per share amountsMonth 1 (August 2024)115.4 \$19.84 115.4 \$861,886Month 2 (September 2024)86.1 \$61,886Month 3 (October 2024)2,363.4 20.35 2,363.4 \$813,792Total4,786.4 \$20.33 4,786.4 On October 13, 2015, the Company's Board of Directors approved a share repurchase program with a \$3.0 billion authorization, which was refreshed with additional share repurchase authorizations of \$3.0 billion, \$5.0 billion and \$2.5 billion on May 24, 2016, October 16, 2017 and February 21, 2018, respectively. This program, which does not have a specific expiration date, authorizes repurchases in the open market or in private transactions. The Company may choose to repurchase shares when sufficient liquidity exists and the shares are trading at a discount relative to estimated intrinsic value. As of October 31, 2024, the Company had a remaining authorization of approximately \$0.8 billion for future share repurchases. Stock Performance Graph and Cumulative Total Return The graph below shows a comparison of cumulative total stockholder return, the S&P 500 Index, and the S&P Information Technology Index. This graph covers the period from October 31, 2019 through October 31, 2024. This graph assumes the investment of \$100 in the stock or the index on October 31, 2019 (and the reinvestment of dividends thereafter). 39Table of ContentThe comparisons in the graph below are based on historical data and are not indicative of, or intended to forecast, future performance of our common stock on 10/201910/202110/202210/202310/2024Hewlett Packard Enterprise\$100.00A \$54.88A \$96.26A \$96.84A \$107.55A \$140.18A S&P 500 Index\$100.00A \$109.70A \$156.75A \$133.82A \$147.36A \$203.35A S&P Information Technology Index\$100.00A \$134.47A \$197.56A \$157.53A \$206.12A \$311.72A ITEM 6. [Reserved]40Table of ContentITEM 7. Management's Discussion and Analysis of Financial Condition and Results of Operations.For purposes of this Management's Discussion and Analysis of Financial Condition and Results of Operations (the MD&A) section, we use the terms the Hewlett Packard Enterprise, the HPE, the the Company, the the, the, and the to refer to Hewlett Packard Enterprise Company. This section of this Form 10-K generally discusses fiscal 2024 and fiscal 2023 items and year-to-year comparisons between fiscal 2024 and fiscal 2023. Discussions of fiscal 2022 items and year-to-year comparisons between fiscal 2023 and fiscal 2022 that are not included in this Form 10-K can be found in the Part II, Item 7, Management's Discussion and Analysis of Financial Condition and Results of Operations of the Company's Annual Report on Form 10-K for the fiscal year October 31, 2023, as filed with the SEC on December 22, 2023, which is available on the SEC's website at www.sec.gov. We intend the discussion of our financial condition and results of operations that follows to provide information that will assist the reader in understanding our Consolidated Financial Statements, changes in certain key items in these financial statements from year to year, and the primary factors that accounted for these changes, as well as how certain accounting principles, policies and estimates affect our Consolidated Financial Statements. This discussion should be read in conjunction with our Consolidated Financial Statements and the related notes that appear elsewhere in this document. This MD&A is organized as follows: Trends and Uncertainties. A discussion of material events and uncertainties known to management, such as the mixed macroeconomic environment of supply chain constraints (though easing), uneven demand across our portfolio, increased demand for and adoption of new technologies, conservative (though recovering) customer spending environment, persistent inflation, foreign exchange pressures, recent tax developments, and pending merger with Juniper Networks, Inc. (the Juniper Networks). Executive Overview. A discussion of our business and a summary of our financial performance and other highlights, including non-GAAP financial measures, affecting the Company in order to provide context to the remainder of the MD&A. Critical Accounting Policies and Estimates. A discussion of accounting policies and estimates that we believe are important to understanding the assumptions and judgments incorporated in our reported financial results. Results of Operations. A discussion of the results of operations at the consolidated level is followed by a discussion of the results of operations at the segment level. Liquidity and Capital Resources. An analysis of changes in our cash flows, financial condition, liquidity, and cash requirements and commitments. GAAP to Non-GAAP Reconciliations. Each non-GAAP financial measure has been reconciled to the most directly comparable GAAP financial measure. This section also includes a discussion of the use, usefulness and economic substance of the non-GAAP financial measures, along with a discussion of material limitations, and compensation for those limitations, associated with the use of non-GAAP financial measures. TRENDS AND UNCERTAINTIES During fiscal 2024, the effects of the evolving macroeconomic environment on demand persisted and certain significant developments impacted our operations as follows: Technological Advancements: We have observed market trends and demand (of customers of various segments and sizes) gravitating towards artificial intelligence (the AI), hybrid cloud, edge computing, data security capabilities, and related offerings. The volume of data at the edge continues to grow, driven by the proliferation of more devices. The need for a unified cloud experience everywhere has grown, as well, in order to manage the growth of data at the edge. With the abundance of data, there are opportunities to develop AI tools with powerful computational abilities to extract insights and value from the captured data. Increasing demand for AI is also contributing to changes in the competitive landscape. Our major competitors and emerging competitors are expanding their product and service offerings with integrated products and solutions and exerting increased competitive pressure. We expect these market dynamics and trends to continue in the longer term. Macroeconomic Uncertainty: The effect of the evolving macroeconomic environment has been impacting industry-wide demand, as customers take longer to work through prior orders and have been adopting a more conservative approach to discretionary IT spending. This has resulted in uneven demand across our portfolio and geographies, particularly for certain of our hardware offerings, as customers have focused investments on modernizing infrastructure, such as migrating to cloud-based AI. Table of Contents HEWLETT PACKARD ENTERPRISE COMPANY AND SUBSIDIARIES Management's Discussion and Analysis of Financial Condition and Results of Operations (Continued) offerings, including our own. We expect such mixed macroeconomic environment to largely continue (though ease slightly) and possibly limit revenue growth in the near term. Supply Chain: During fiscal 2024, we experienced supply chain constraints for certain components, including graphics processing units (the GPU) and accelerated processing units, but they have since eased, in part due to increased availability of supply and lower material and logistics costs. Logistics costs decreased from previously elevated levels as a result of declines in both expedited shipments and overall rate costs in the freight network. We have, in fact, been experiencing higher-than-normal inventory levels, primarily due to customers transitioning to the next generation of GPUs, our securing supply ahead of demand, and longer customer acceptance timelines on AI-related orders; we expect this trend to continue in the medium term. We have experienced, and expect to continue experiencing, rising input component costs and a competitive pricing environment, which may impact our financial results. We plan to mitigate the impact of these dynamics through continued disciplined cost and pricing management. Recurring Revenue and Consumption Models: We continue to strengthen our core server and storage-oriented offerings and expand our offerings on the HPE GreenLake cloud, to deliver our entire portfolio as-a-service (the aaS) and become the edge-to-cloud company for our customers and partners. We expect that such flexible consumption model will continue to strengthen our customer relationships and contribute to growth in recurring revenue. Foreign Currency Exposure: We have a large global presence, with more than half of our revenue generated outside of the U.S. As a result, our financial results can be, and particularly in recent periods have been, impacted by fluctuations in foreign currency exchange rates. We utilize a comprehensive hedging strategy intended to mitigate the impact of foreign currency volatility over time, and we adjust pricing when possible to further minimize foreign currency impacts. Recent Tax Developments: The Organisation for Economic Co-operation and Development (the OECD), an international association of 38 countries including the United States, has proposed changes to numerous long-standing tax principles, namely, its Pillar Two framework, which imposes a global minimum corporate tax rate of 15%. To date, 43 countries have enacted portions, or all, of the OECD proposal and a further 22 countries have drafted, or have announced an intent to draft, legislation enacting the proposed rules. Where enacted, the rules begin to be effective for us in fiscal 2025. Under US GAAP, the OECD Pillar Two rules are considered an alternative minimum tax and therefore deferred taxes would not be recognized or adjusted for the estimated effects of the future minimum tax. As a result, there was no impact to our fiscal 2024 results. The adoption and effective dates of these rules may vary by country and could increase tax complexity and uncertainty and may adversely affect our provision for income taxes. We currently do not expect a material impact to our fiscal 2025 results. The Internal Revenue Service (the IRS) is conducting audits of our fiscal 2017 through 2022 U.S. federal income tax returns. During fiscal 2023, the IRS issued notices of proposed adjustments (the NOPAs) for 2017, 2018, and 2019 relating to our intercompany transfer pricing. During the first quarter of fiscal 2024, the IRS issued a Revenue Agent Report finalizing their position on the NOPAs for the same issues and same fiscal years. However, we disagreed with the IRS' adjustments and believe the positions taken on our tax returns are more likely than not to prevail on technical merits and have continued with settlement discussions with the IRS. During the third quarter of fiscal 2024, we submitted a formal settlement offer to the IRS to facilitate the closing of the audit and recorded increased reserves for unrecognized tax benefits of \$122 million. The impact of the increase in reserves is almost entirely offset with a valuation allowance release, and the net impact to income tax expense for fiscal 2024 was not material. It is reasonably possible that the IRS audit for fiscal 2017 through 2019 may be concluded in the next 12 months, and it is reasonably possible that existing unrecognized tax benefits related to these years may be reduced by an amount up to \$358 million within the next 12 months, the majority of which relates to adjustments to foreign tax credits that carry a full valuation allowance or to the timing of intercompany royalty revenue recognition, neither of which affects the Company's effective tax rate. Other Trends and Uncertainties: The impacts of trade protection measures, including increases in tariffs and trade barriers, changes in government policies and international trade arrangements, geopolitical volatility (including the ongoing conflict in the Middle East), and global macroeconomic challenges (including the relationship between China and the U.S.), may impact our operations, financial performance, and ability to conduct business in some non-U.S. markets. We monitor and seek to mitigate these risks with adjustments to our manufacturing, supply chain, and distribution networks. 42Table of Contents HEWLETT PACKARD ENTERPRISE COMPANY AND SUBSIDIARIES Management's Discussion and Analysis of Financial Condition and Results of Operations (Continued) Pending Merger with Juniper Networks, Inc. On January 9, 2024, we entered into a definitive Agreement and Plan of Merger (the Merger Agreement) under which we will acquire Juniper Networks in an all-cash transaction for \$40.00 per share (the Merger), representing an equity value of approximately \$14 billion. On April 2, 2024, Juniper Networks shareholders approved the transaction. The transaction is expected to be funded based on senior unsecured delayed draw term loans from a syndicate of banks, the post-tax proceeds from our sale to Unisplendour International Technology Limited (the UNIS) of 30% of the total issued share capital of H3C Technologies Co., Limited (the H3C), the net proceeds (including after repayments of maturing debt) of our September 2024 issuances of senior unsecured notes and the Preferred Stock (as further described in Note 15, the Stockholders' Equity) to the Consolidated Financial Statements in Item 8 of Part II), and cash on the balance sheet. The closing of the transaction remains subject to receipt of regulatory approvals and satisfaction of other customary closing conditions. For further information about the Merger, see Note 10, the Acquisitions and Dispositions to the Consolidated Financial Statements in Item 8 of Part II, and for further discussion about the risks related to the Merger, see the section titled the Risk Factors in Item 1A of Part I of this Annual Report on Form 10-K. The foregoing summary of the Merger, the adoption of the Merger Agreement, and the transactions contemplated thereby does not purport to be complete and is subject to, and qualified in its entirety by, the full text of the Merger Agreement, which is filed as Exhibit 2.1 to our Current Report on Form 8-K filed with the Securities and Exchange Commission on January 10, 2024. The following Executive Overview, Results of Operations and Liquidity discussions and analysis compare fiscal 2024 to fiscal 2023, unless otherwise noted. The Capital Resources and, Cash Requirements and Commitments sections present information as of October 31, 2024, unless otherwise noted. EXECUTIVE OVERVIEW Net revenue of \$30.1A billion represented an increase of 3.4% (increased 3.3% on a constant currency basis) primarily due to higher average unit prices (the AUP) in the Server segment, moderated by lower volume and product mix effect in the Intelligent Edge segment. The gross profit margin of 32.8% (or \$9.9 billion) represents a decrease of 2.3 percentage points from the prior-year period due to decline in revenue in the Intelligent Edge segment and higher mix of lower margin products in the Server segment. The operating profit margin of 7.3% was relatively flat as compared to the prior-year period. Financial Results The following table summarizes our consolidated GAAP financial results: For the fiscal years ended October 31, 2024 2023 Change In millions, except per share amounts Net revenue \$30,127.3A \$29,135.3A 3.4% Gross profit \$9,878.1A \$10,239.4A (3.5)% Gross profit margin 32.8A % 35.1A % (2.3)pts Earnings from operations \$2,190.4A \$2,089.4A 4.8% Operating profit margin 7.3A % 7.2A % 0.1pts Net earnings attributable to HPE \$2,579.9A \$2,025.4A 27.4% Net earnings attributable to common stockholders 2,554.2A 2,025.26A 26.1% Diluted net earnings per share attributable to common stockholders (1) 1.93A 1.54A \$0.39 Cash flow from operations \$4,341.4A \$4,428.8A (\$87)43 Table of Contents HEWLETT PACKARD ENTERPRISE COMPANY AND SUBSIDIARIES Management's Discussion and Analysis of Financial Condition and Results of Operations (Continued) The following table summarizes our consolidated non-GAAP financial results: For the fiscal years ended October 31, 2024 2023 Change In millions, except per share amounts Net revenue in constant currency \$30,107.7A \$29,135.3A 3.3% Non-GAAP gross profit \$9,893.4A \$10,273.3A (3.7)% Non-GAAP gross profit margin 32.8A % 35.3A % (2.5)pts Non-GAAP earnings from operations \$3,168.4A \$3,145.0A 0.7% Non-GAAP operating profit margin 10.5A % 10.8A % (0.3)pts Non-GAAP net earnings attributable to HPE \$2,655.4A \$2,832.4A (6.3)% Non-GAAP net earnings attributable to common stockholders 2,630.4A 2,832.4A (7.1)% Non-GAAP diluted net earnings per share attributable to common stockholders (1) 1.99A 2.15A \$(0.16) Free cash flow \$2,297.4A \$2,238.4A \$59(1) For purposes of calculating diluted net EPS, the preferred stock dividends are added back to the net earnings attributable to common stockholders and the diluted weighted average share calculation assumes the preferred stock was converted at issuance or as of the beginning of the reporting period. Each non-GAAP financial measure has been reconciled to the most directly comparable GAAP financial measure herein. Please refer to the section the GAAP to non-GAAP Reconciliations included in this MD&A for these reconciliations, a discussion of the use, usefulness and economic substance of the non-GAAP financial measures, along with a discussion of material limitations, and compensation for those limitations, associated with the use of non-GAAP financial measures. Annualized Revenue Run-rate (the ARR) Our pivot to aS continues its strong momentum with the addition of HPE GreenLake cloud services. Our mix of ARR is becoming more software-rich as we build our HPE GreenLake cloud, which is improving our margin profile. We will continue to invest aggressively in HPE GreenLake cloud services to provide a true cloud experience and operating model, whether at the edge, on-premises or across multiple clouds. ARR represents the annualized revenue of all net HPE GreenLake cloud services revenue, related financial services revenue (which includes rental income from operating leases and interest income from finance leases), and software-as-a-service (the SaaS), software consumption revenue, and other aS offerings, recognized during a quarter and multiplied by four. We believe that ARR is a metric that allows management to better understand and highlight the potential future performance of our aS business. We also believe ARR provides investors with greater transparency to our financial information and of the performance metric used in our financial and operational decision making and allows investors to see our results through the eyes of management. We use ARR as a performance metric. ARR should be viewed independently of net revenue and is not intended to be combined with it. ARR does not have any standardized definition and is therefore unlikely to be comparable to similarly titled measures presented by other companies. ARR is not a forecast and the active contracts at the end of a reporting period used in calculating ARR may or may not be extended or renewed by our customers. The following table presents our ARR: For the fiscal years ended October 31, 2024 2023 Dollars in millions ARR \$1,938.1A \$1,304.4A Year-over-year growth rate 49A % 39A % The 49% year over year increase in ARR was primarily due to growth in our Hybrid Cloud, Server and Intelligent Edge segments, which was due to an expanding customer installed base, an expanded range of HPE GreenLake Flex Solutions, Server aS, and Intelligent Edge aS activity. 44Table of Contents HEWLETT PACKARD ENTERPRISE COMPANY AND SUBSIDIARIES Management's Discussion and Analysis of Financial Condition and Results of Operations (Continued) Capital Returns to Shareholders Returning capital to our shareholders remains an important part of our capital allocation framework, which also consists of strategic investments. We believe our existing balance of cash and cash equivalents, along with commercial paper and other short-term liquidity arrangements, are sufficient to satisfy our working capital needs, capital asset purchases, dividends, debt repayments, and other liquidity requirements associated with our existing operations. As of October 31, 2024, our cash, cash equivalents and restricted cash were \$15.1A billion, compared to \$4.6A billion as of October 31, 2023, representing an increase of \$10.5A billion. CRITICAL ACCOUNTING POLICIES AND ESTIMATES Our Consolidated Financial Statements are prepared in accordance with U.S. Generally Accepted Accounting Principles (the GAAP), which requires us to make estimates, judgments, and assumptions that affect the reported amounts of assets, liabilities, net revenue and expenses, and the disclosure of contingent liabilities. A summary of significant accounting policies and a summary of recent accounting pronouncements applicable to our Consolidated Financial Statements are included in

Note 1, Overview and Summary of Significant Accounting Policies, to the Consolidated Financial Statements in Item 8 of Part II. An accounting policy is deemed to be critical if the nature of the estimate or assumption it incorporates is subject to material level of judgment related to matters that are highly uncertain and changes in those estimates and assumptions are reasonably likely to materially impact our Consolidated Financial Statements. Estimates and judgments are based on historical experience, forecasted events, and various other assumptions that we believe to be reasonable under the circumstances. Estimates and judgments may vary under different assumptions or conditions. We evaluate our estimates and judgments on an ongoing basis. We believe the accounting policies below are critical in the portrayal of our financial condition and results of operations and require management's most difficult, subjective, or complex judgments. Revenue Recognition We enter into contracts with customers that may include combinations of products and services, resulting in arrangements containing multiple performance obligations for hardware and software products and/or various services. The majority of our revenue is derived from sales of products and services and the associated support and maintenance, and such revenue is recognized when, or as, control of promised products or services is transferred to the customer at the transaction price. Transaction price is adjusted for variable consideration which may be offered in contracts with customers, partners, and distributors and may include rebates, volume-based discounts, price protection, and other incentive programs. Significant judgment is applied in determining the transaction price as we may be required to estimate variable consideration at the time of revenue recognition. When determining the amount of revenue to recognize, we estimate the expected usage of these programs, applying the expected value or most likely estimate and update the estimate at each reporting period as actual utilization becomes available. Variable consideration is recognized only to the extent that it is probable that a significant reversal of revenue will not occur. We also consider the customers' right of return in determining the transaction price, where applicable. To recognize revenue for the products and services for which control has been transferred, we allocate the transaction price for the contract among the performance obligations on a relative standalone selling price (the SSP) basis. For products and services sold as a bundle, the SSP is generally not directly observable and requires the Company to estimate SSP based on management judgment by considering available data such as internal margin objectives, pricing strategies, market/competitive conditions, historical profitability data, as well as other observable inputs. For certain products and services, the Company establishes SSP based on the observable price when sold separately in similar circumstances to similar customers. The Company establishes SSP ranges for its products and services and reassesses them periodically. Taxes on Earnings We calculate our current and deferred tax provisions based on estimates and assumptions that could differ from the final positions reflected in our income tax returns. We adjust our current and deferred tax provisions based on our tax returns which are generally filed in the third or fourth quarters of the subsequent fiscal year. Table of Contents HEWLETT PACKARD ENTERPRISE COMPANY AND SUBSIDIARIES Management's Discussion and Analysis of Financial Condition and Results of Operations (Continued) We recognize deferred tax assets and liabilities for the expected tax consequences of temporary differences between the tax bases of assets and liabilities and their reported amounts using enacted tax rates in effect for the year in which we expect the differences to reverse. We record a valuation allowance to reduce deferred tax assets to the amount that we are more likely than not to realize. In determining the need for a valuation allowance, we consider future market growth, forecasted earnings, future sources of taxable income, the mix of earnings in the jurisdictions in which we operate, and prudent and feasible tax planning strategies. In order for us to realize our deferred tax assets, we must be able to generate sufficient taxable income, of the appropriate character, in the jurisdictions in which the deferred tax assets are located, prior to their expiration under applicable tax laws. Our effective tax rate includes the impact of certain undistributed foreign earnings and basis differences for which we have not provided for U.S. federal taxes because we plan to reinvest such earnings and basis differences indefinitely outside the U.S. We will remit non-indefinitely reinvested earnings of our non-U.S. subsidiaries for which deferred U.S. state income and foreign withholding taxes have been provided where excess cash has accumulated and when we determine that it is advantageous for business operations, tax, or cash management reasons. We are subject to income taxes in the U.S. and approximately 80 other countries, and we are subject to routine corporate income tax audits in many of these jurisdictions. We believe that positions taken on our tax returns are fully supported, but tax authorities may challenge these positions, which may not be fully sustained on examination by the relevant tax authorities. Accordingly, our income tax provision includes amounts intended to satisfy assessments that may result from these challenges. Determining the income tax provision for these potential assessments and recording the related effects requires management judgments and estimates. The amounts ultimately paid on resolution of an audit could be materially different from the amounts previously included in our income tax provision and, therefore, could have a material impact on our Provision for taxes, Net earnings and cash flows. Our accrual for uncertain tax positions is attributable primarily to uncertainties concerning the tax treatment of our international operations, including the allocation of income among different jurisdictions, intercompany transactions and related interest, and uncertain tax positions from acquired companies. For further discussion on taxes on earnings, refer to Note 6, Taxes on Earnings, to the Consolidated Financial Statements in Item 8 of Part II. Goodwill We review goodwill for impairment at the reporting unit level annually on the first day of the fourth quarter, or whenever events or circumstances indicate the carrying amount of goodwill may not be recoverable. We are permitted to conduct a qualitative assessment to determine whether it is necessary to perform a quantitative goodwill impairment test. As of October 31, 2024, our reporting units with goodwill are consistent with the reportable segments identified in Note 2, Segment Information, to the Consolidated Financial Statements in Item 8 of Part II, with the exception of Server, which contains two reporting units: Compute and High Performance Computing & AI (HPC & AI), and Corporate Investments and Other which contains two reporting units: Advisory and Professional Services, and legacy Communications and Media Solutions. When performing the goodwill impairment test, we compare the fair value of each reporting unit to its carrying amount. An impairment exists if the fair value of the reporting unit is less than its carrying amount. Estimating the fair value of a reporting unit is judgmental in nature and involves the use of significant estimates and assumptions. We estimate the fair value of our reporting units using a weighting of fair values derived mostly from the income approach and, to a lesser extent, the market approach. Under the income approach, the fair value of a reporting unit is based on discounted cash flow analysis of management's short-term and long-term forecast of operating performance. This analysis includes significant assumptions regarding revenue growth rates, expected operating margins, and timing of expected future cash flows based on market conditions and customer acceptances. The discount rate used is based on the weighted-average cost of capital of comparable public companies adjusted for the relevant risk associated with business specific characteristics and the uncertainty related to the reporting unit's ability to execute on the projected cash flows. Under the market approach, the fair value is based on market multiples of revenue and earnings derived from comparable publicly traded companies with operating and investment characteristics similar to the reporting unit. We weight the fair value derived from the market approach commensurate with the level of comparability of these publicly traded companies to the reporting unit. When market comparables are not meaningful or not available, we estimate the fair value of a reporting unit using the income approach. In addition, we make certain judgments and assumptions in allocating shared assets and liabilities to individual reporting units to determine the carrying amount of each reporting unit. Table of Contents HEWLETT PACKARD ENTERPRISE COMPANY AND SUBSIDIARIES Management's Discussion and Analysis of Financial Condition and Results of Operations (Continued) Annual Goodwill Impairment Review Our annual goodwill impairment analysis, which we performed as of the first day of the fourth quarter of fiscal 2024, did not result in any impairment charges. The excess of fair value over carrying amount for our reporting units ranged from approximately 8% to 198% of the respective carrying amounts. In order to evaluate the sensitivity of the estimated fair value of our reporting units in the goodwill impairment test, we applied a hypothetical 10% decrease to the fair value of each reporting unit. Based on the results of this hypothetical 10% decrease all of the reporting units had an excess of fair value over carrying amount, except for HPC & AI and Hybrid Cloud. The HPC & AI reporting unit has goodwill of \$2.0 billion as of October 31, 2024, and excess of fair value over carrying value of 11% as of the annual test date. The HPC & AI business is growing at a very fast pace driven primarily by the AI demand from model builders, but as GPUs represent a large portion of the solutions, the pricing is very competitive and margins are limited. With the growth of AI in enterprise and sovereign customer segments and key strategic differentiators, such as direct liquid cooling, we believe that there is a potential for continued growth over time. Interim Goodwill Impairment Reviews In September 2024, HPE sold 30% of the total issued share capital of H3C to UNIS. The equity investment in H3C primarily benefits the Compute and Hybrid Cloud reporting units. Subsequent to the sale, on September 30, 2024, we performed an interim goodwill impairment analysis for Compute and Hybrid Cloud reporting units. The excess of fair value over carrying amount for these reporting units was 6% for Compute and 5% for Hybrid Cloud. We also applied a hypothetical 10% decrease to the fair value of Compute and Hybrid Cloud, noting that neither had an excess of fair value over carrying amount. The Compute reporting unit has goodwill of \$8.2 billion as of October 31, 2024, and excess of fair value over carrying value of 6% as of the September 30, 2024 interim test date. The Compute business is cyclical in nature. Over the last several years, digital transformation drove increased investment to modernize infrastructure. However, in the current macroeconomic and inflationary environment, customers have invested selectively resulting in moderate unit growth and competitive pricing. The Compute business continues to focus on capturing market share while maintaining operating margin, leveraging its strong portfolio of ProLiant Gen11 products. The Hybrid Cloud reporting unit has goodwill of \$4.8 billion as of October 31, 2024, and excess of fair value over carrying value of 5% as of the September 30, 2024 interim test date. Although the Hybrid Cloud business is on a positive trajectory, we are managing both a sales model transition and product transition within this business. Our product model transition is to a more cloud-native, software-defined platform with HPE Alletra. Translating this growth to revenue and operating income will take time because a greater mix of high margin business such as ratable software and services, is deferred and recognized in future periods. Our interim 2024 goodwill impairment test performed as of November 1, 2023 based on organizational changes impacting the composition of reporting units as of that date did not result in any impairment charges. RESULTS OF OPERATIONS Revenue from our international operations has historically represented, and we expect will continue to represent, a majority of our overall net revenue. As a result, our revenue growth has been impacted, and we expect will continue to be impacted, by fluctuations in foreign currency exchange rates. In order to provide a framework for assessing performance excluding the impact of foreign currency fluctuations, we present the year-over-year percentage change in revenue on a constant currency basis, which assumes no change in foreign currency exchange rates from the prior-year period and does not adjust for any repricing or demand impacts from changes in foreign currency exchange rates. This change in revenue on a constant currency basis is calculated as the quotient of (a) current year revenue converted to U.S. dollars using the prior-year period's foreign currency exchange rates divided by (b) the prior-year period revenue. This information is provided so that revenue can be viewed without the effect of fluctuations in foreign currency exchange rates, which is consistent with how management evaluates our revenue results and trends. This constant currency disclosure is provided in addition to, and not as a substitute for, the year-over-year percentage change in revenue on a GAAP basis. Other companies may calculate and define similarly labeled items differently, which may limit the usefulness of this measure for comparative purposes. Table of Contents HEWLETT PACKARD ENTERPRISE COMPANY AND SUBSIDIARIES Management's Discussion and Analysis of Financial Condition and Results of Operations (Continued) Results of operations in dollars and as a percentage of net revenue were as follows: A For the fiscal years ended October 31, A 2024 2023 2022 Dollars % of Revenue Dollars % of Revenue Dollars % of Revenue A Dollars in millions Net revenues \$30,127A 100.0A % \$29,135A 100.0A % \$28,496A 100.0A % Cost of sales (exclusive of amortization shown separately below) 20,249A 67.2A % 18,896A 64.9A % 18,990A 66.6A % Gross profit 9,878A 32.8A % 10,239A 35.1A % 9,506A 33.4A % Research and development 2,46A 7.5A % 2,349A 8.1A % 2,045A 7.2A % Selling, general and administrative 4,871A 16.2A % 5,160A 17.7A % 4,941A 17.3A % Amortization of intangible assets 267A 0.9A % 288A 1.0A % 293A 1.0A % Impairment of goodwill A A % A A % 905A 3.2A % Transformation costs 93A 0.3A % 283A 1.0A % 473A 1.7A % Disaster charges 7A A % 1A A % 48A 0.2A % Acquisition, disposition and other related charges 204A 0.6A % 69A 0.1A % 19A 0.1A % Earnings from operations 2,190A 7.3A % 2,089A 7.2A % 782A 2.7A % Interest and other, net (117) (0.4) (104) (0.3) (121) (0.4) Gain on sale of equity interest 733A 2.4A % A 0.1A % A A % Earnings from equity interests 147A 0.5A % 245A 0.8A % 215A 0.8A % Earnings before provision for taxes 2,953A 9.8A % 2,30A 7.8A % 876A 3.1A % Provision for taxes (374) (1.2) (205) (0.7) (8) (0.1) Net earnings attributable to HPE 2,579A 8.6A % 2,025A 7.0A % 868A 3.0A % Preferred stock dividends (25) (0.1) A A % A A % Net earnings attributable to common stockholders \$2,554A 8.5A % \$2,025A 7.0A % \$868A 3.0A % Fiscal 2024 compared with fiscal 2023 Net revenue In fiscal 2024, total net revenue of \$30.1 billion represented an increase of \$992 million, or 3.4% (increased 3.3% on a constant currency basis). U.S. net revenue increased by \$521 million, or 5.0% to \$10.9 billion, and net revenue from outside of the U.S. increased by \$471 million, or 2.5%, to \$19.2 billion. The components of the weighted net revenue change by segment were as follows: For the fiscal years ended October 31, 2024 2023 2022 Percentage Points Server 6.4A (3.9) Hybrid Cloud (0.4) 0.9A Intelligent Edge (2.9) 5.3A Financial Services 0.1A 0.5A Corporate Investments and Other 0.1A (0.1) Total segment 3.3A 2.7A Elimination of intersegment net revenue and other 0.1A (0.5) Total HPE 3.4A 2.2A Table of Contents HEWLETT PACKARD ENTERPRISE COMPANY AND SUBSIDIARIES Management's Discussion and Analysis of Financial Condition and Results of Operations (Continued) Fiscal 2024 compared with fiscal 2023 From a segment perspective, the primary factors contributing to the change in total net revenue are summarized as follows: A Server net revenue increased \$1,844 million, or 12.8%, primarily due to higher AUPs A Hybrid Cloud net revenue decreased \$107 million, or 1.9%, primarily due to lower AUPs A Intelligent Edge net revenue decreased \$847 million, or 15.7%, primarily due to lower volume and product mix effect A Financial Services net revenue increased \$32 million, or 0.9%, primarily due to higher finance income A Corporate Investments and Other net revenue increased \$29 million, or 2.9%, primarily due to revenue growth from Advisory and Professional Services (A A & PS A) Fiscal 2023 compared with fiscal 2022 From a segment perspective, the primary factors contributing to the change in total net revenue are summarized as follows: A Server net revenue decreased \$1,111 million, or 7.2%, primarily due to lower server unit volume and unfavorable currency fluctuations A Hybrid Cloud net revenue increased \$260 million, or 5.0%, primarily due to higher unit volume A Intelligent Edge net revenue increased \$1,522 million, or 39.5%, primarily due to increased AUPs and volume and product mix effect A Financial Services net revenue increased \$141 million, or 4.2%, primarily due to higher rental revenue from higher average operating leases and higher finance income on finance leases due to an increasing interest rate environment A Corporate Investments and Other net revenue decreased \$27 million, or 2.7%, primarily due to unfavorable currency fluctuations Gross Profit Fiscal 2024 total gross profit margin of 32.8% represents a decrease of 2.3 percentage points as compared to the respective prior year period. The decrease was primarily due to decline in revenue in the Intelligent Edge segment and higher mix of lower margin products in the Server segment. Operating expenses Research and development (A A & D A) R&D expense decreased by \$103 million, or 4.4%, primarily due to capitalization of software costs, which contributed 4.2 percentage points to the change. Selling, general and administrative (A A S G & A A) SG&A expense decreased by \$289 million, or 5.6%, primarily due to lower employee costs, which contributed 3.3 percentage points, lower travel and marketing expenses and lower consulting costs, both of which contributed 1.4 percentage points to the change. Transformation programs and costs Our transformation programs consist of the Cost Optimization and Prioritization Plan (launched in 2020) and the HPE Next Plan (launched in 2017). Transformation costs decreased by \$190 million, or 67.1%, due to lower charges incurred in the current period as the primary elements of these plans have been substantially completed by the end of fiscal 2023. Refer to Note 3, A Transformation Programs A to the Consolidated Financial Statements in Item 8 of Part II for further discussion. Acquisition, disposition and other related charges Acquisition, disposition and other related charges increased by \$135 million or 195.7%, primarily due to costs incurred in connection with the pending acquisition of Juniper Networks. 49 Table of Contents HEWLETT PACKARD ENTERPRISE COMPANY AND SUBSIDIARIES Management's Discussion and Analysis of Financial Condition and Results of Operations (Continued) Interest and other, net Interest and other, net expense increased by \$13 million or 12.5%, primarily due to lower gain from sale of certain investments and unfavorable currency fluctuations in the current year and the previous year containing tax indemnification income due to an audit settlement. The increase was partially offset by a decrease in net interest expense and lower loss on equity investments in the current year. Gain on sale of equity interest On September 4, 2024, the Company divested 30% of the total issued share capital of H3C to UNIS. We continue to possess the option to sell the remaining 19% of the total issued share capital of H3C at a later date. In connection with this sale, we recorded a gain on sale of equity interest of \$733 million. Earnings from equity interests In fiscal 2024, Earnings from equity interests decreased by \$98 million or 40%, primarily due to lower net income earned by H3C and the disposition of 30% of the total issued share capital of H3C, partially offset by lower amortization expense from basis difference in the current period. Provision for taxes For fiscal 2024 and 2023, we recorded income tax expense of \$374 million and \$205 million, respectively, which reflect effective tax rates of 12.7% and 9.2%, respectively. Our effective tax rate generally differs from the U.S. federal statutory rate of 21% due to favorable tax rates associated with certain earnings from our operations in lower tax jurisdictions throughout the world but may also be materially impacted by discrete tax adjustments during the fiscal year. The jurisdictions with favorable tax rates that had the most significant impact on our effective tax rate in the periods presented include Puerto Rico and Singapore. In fiscal 2024, we recorded \$43 million of net income tax charges related to items discrete to the year. These amounts primarily included: A \$104 million of net income tax charges resulting from the gain on the H3C divestiture, which

which accounts \$215 million of U.S. and foreign income tax charges offset by \$111 million of income tax benefit for the release of an uncertain tax benefit related to the prior divestiture, partially offset by \$54 million of income tax benefits related to transformation costs, and acquisition, disposition and other related charges and \$11 million of net excess tax benefits related to stock-based compensation. In fiscal 2023, we recorded \$131 million of net income tax benefits related to items discrete to the year. These amounts primarily included: \$104 million of income tax benefits related to transformation costs and acquisition, disposition and other related charges and \$19 million of net excess tax benefits related to stock-based compensation. Segment Information

Hewlett Packard Enterprise's organizational structure is based on a number of factors that the Chief Operating Decision Maker, who is the CEO, uses to evaluate, view, and run our business operations, which include, but are not limited to, customer base and homogeneity of products and technology. The segments are based on this organizational structure and information reviewed by Hewlett Packard Enterprise's management to evaluate segment results. A description of the products and services for each segment, along with other pertinent information related to Segments can be found in Note 2, "Segment Information," to the Consolidated Financial Statements in Item 8 of Part II.50

Table of Contents

HEWLETT PACKARD ENTERPRISE COMPANY AND SUBSIDIARIES

Management's Discussion and Analysis of Financial Condition and Results of Operations (Continued)

Segment Results

The following provides an overview of our key financial metrics by segment for fiscal 2024 as compared to fiscal 2023:

HPE Consolidated Server Hybrid Cloud Intelligent Edge Financial Services Corporate Investments and Other

Dollars in millions, except for per share amounts

Net revenue (1)\$30,127\$16,205\$5,386\$4,532\$3,512\$1,014

Year-over-year change %3.4%12.8%(1.9%)(15.7%)0.9%2.9%

Earnings (loss) from operations (2)\$2,190\$1,818\$245\$1,115\$316\$(25)

Earnings (loss) from operations as a % of net revenue 7.3%11.2%4.5%24.6%9.0%(2.5)%

Year-over-year change percentage points (1) 1.5 pts (1.5) pts (0.3) pts (0.4) pts (0.9) pts (1.1) pts

(1) HPE consolidated net revenue excludes inter-segment net revenue. (2) Segment earnings from operations exclude certain unallocated corporate costs and eliminations, stock-based compensation expense, amortization of intangible assets, impairment of goodwill, transformation costs, disaster charges, divestiture related exit costs, and acquisition, disposition and other related charges.

Server

For the fiscal years ended October 31, 2024 and 2023

2022

2024 vs 2023 % Change

2023 vs 2022 % Change

A

Dollars in millions

Net revenue \$16,205A \$14,361A \$15,472A 12.8A % (7.2)%

Earnings from operations \$1,818A \$1,830A \$1,958A (0.7)% (6.5)%

Earnings from operations as a % of net revenue 11.2A % 12.7A % 12.7A %

Fiscal 2024 compared with fiscal 2023

Server net revenue increased by \$1,844 million, or 12.8% in actual dollars and constant currency, primarily due to a \$1,812 million, or 16.7%, increase in product revenue. The increase in product revenue was primarily due to higher AUPs of \$1,769 million, or 16.3%. Server earnings from operations as a percentage of net revenue decreased 1.5 percentage points primarily due to an increase in costs of products as a percentage of net revenue, moderated by a decrease in operating expenses as a percentage of net revenue. The increase in costs of products as a percentage of net revenue was primarily due to higher mix of lower margin products and competitive pricing pressure. The decrease in operating expenses as a percentage of net revenue was primarily due to lower total operating expenses as a result of cost containment measures. Fiscal 2023 compared with fiscal 2022

Server net revenue decreased by \$1,111 million, or 7.2% (decreased 3.5% on a constant currency basis), primarily due to a \$1,061 million, or 8.9%, decrease in product revenue. The decline in product revenue was primarily due to lower server unit volume of \$1,281 million, or 10.7%, and unfavorable currency fluctuations of \$458 million, or 3.8%. The product revenue decline was moderated by an increase in AUPs of \$683 million, or 5.7%, led by higher sales of server configurations with more complex component architectures in our next generation products. Server earnings from operations as a percentage of net revenue remained relatively flat.

51

Table of Contents

HEWLETT PACKARD ENTERPRISE COMPANY AND SUBSIDIARIES

Management's Discussion and Analysis of Financial Condition and Results of Operations (Continued)

Hybrid Cloud

For the fiscal years ended October 31, 2024 and 2023

2022

2024 vs 2023 % Change

2023 vs 2022 % Change

A

Dollars in millions

Net revenue \$5,386A \$5,493A \$5,233A (1.9)% 5.0A %

Earnings from operations \$425A \$432A \$468A 5.6A % (50.4)%

Earnings from operations as a % of net revenue 4.5A % 4.2A % 8.9A %

Fiscal 2024 compared with fiscal 2023

Hybrid Cloud net revenue decreased by \$107 million, or 1.9% (decreased 2.0% on a constant currency basis) primarily due to a decrease in AUPs, partially offset by an increase in unit volume. Hybrid Cloud product revenue decreased \$267 million, or 8.1%, primarily due to a decrease in AUPs of \$831 million, or 25.2%, led by private cloud and storage products, partially offset by a unit volume increase of \$543 million or 16.5%, led by private cloud and storage products. Hybrid Cloud services revenue increased by \$160 million, or 7.3%, primarily due to a unit volume increase of \$275 million, or 12.5%, led by private cloud and infrastructure SaaS. This increase was partially offset by lower AUPs of \$107 million, or 4.9%. Hybrid Cloud earnings from operations as a percentage of net revenue remained relatively flat as compared to the prior-year period. Fiscal 2023 compared with fiscal 2022

Hybrid Cloud net revenue increased by \$260 million, or 5.0% (increased 8.2% on a constant currency basis) primarily due to an increase in unit volume, partially offset by unfavorable currency fluctuations and decrease in AUPs. Hybrid Cloud product revenue increased by \$180 million, or 5.8%, primarily due to an increase in unit volume of \$371 million or 11.9%, led by private cloud and infrastructure SaaS. The increase in product revenue was moderated by unfavorable currency fluctuations of \$130 million or 4.2%, and a decrease in AUPs of \$39 million or 1.3%. Hybrid Cloud services revenue increased by \$80 million, or 3.8%, primarily due to a unit volume increase of \$178 million, or 8.4%, led by private cloud and infrastructure SaaS. The increase in service revenue was partially offset by decrease in AUPs of \$43 million or 2.0% and unfavorable currency fluctuations of \$40 million or 1.9%. Hybrid Cloud earnings from operations as a percentage of net revenue decreased 4.7 percentage points due to an increase in cost of products sold as a percentage of net revenue and an increase in operating expenses as a percentage of net revenue. The increase in cost of products and services as a percentage of net revenue was primarily due to lower margin GreenLake Flex Solutions deals and decrease in storage subscription revenue. The increase in operating expenses as a percentage of net revenue was primarily due to the unfavorable currency fluctuations. Intelligent Edge

For the fiscal years ended October 31, 2024 and 2023

2022

2024 vs 2023 % Change

2023 vs 2022 % Change

A

Dollars in millions

Net revenue \$4,532A \$5,379A \$3,857A (15.7)% 39.5A %

Earnings from operations \$1,115A \$1,343A \$542A (17.0)% 147.8A %

Earnings from operations as a % of net revenue 24.6A % 25.0A % 14.1A %

52

Table of Contents

HEWLETT PACKARD ENTERPRISE COMPANY AND SUBSIDIARIES

Management's Discussion and Analysis of Financial Condition and Results of Operations (Continued)

Fiscal 2024 compared with fiscal 2023

Intelligent Edge net revenue decreased by \$847 million, or 15.7% (decreased 15.9% on a constant currency basis). Product revenue decreased by \$1,050 million, or 23.9%, led by lower volume and product mix effect of \$876 million, or 19.9%, and lower AUPs of \$183 million, or 4.2%. The product revenue decrease was led by switching products and wireless local area network products due to softened demand. Services net revenue increased \$203 million, or 20.6%, primarily led by our aas and attached support service offerings. Intelligent Edge earnings from operations as a percentage of net revenue decreased 0.4 percentage points primarily due to increase in operating expenses as a percentage of net revenue, partially offset by a decrease in cost of products and services as a percentage of net revenue. Operating expenses as a percentage of net revenue increased primarily due to scale of net revenue decline, higher employee costs related to acquisitions and investments to enhance Aruba offerings in GreenLake. The decrease in cost of product and services as a percentage of net revenue was primarily due to favorable revenue mix and cost containment measures. Fiscal 2023 compared with fiscal 2022

Intelligent Edge net revenue increased by \$1,522 million, or 39.5% (increased 42.5% on a constant currency basis). Product revenue increased by \$1,396 million, or 46.5%, led by higher AUPs of \$1,284 million, or 42.8%, and a volume and product mix effect of \$217 million, or 7.2%, moderated by unfavorable currency fluctuations of \$106 million, or 3.5%. The product revenue increase was led by switching and wireless local area network products, which benefited from improvements in the supply availability, and elevated order book levels at the beginning of the period. Services net revenue increased \$127 million, or 14.8%, primarily led by our aas and attached support service offerings. Intelligent Edge earnings from operations as a percentage of net revenue increased 10.9 percentage points primarily due to decreases in cost of products and services as a percentage of net revenue and operating expenses as a percentage of net revenue. The decrease in cost of product and services as a percentage of net revenue was primarily due to lower supply chain costs, moderating the decrease was a lower mix of higher-margin support services revenue. Operating expenses as a percentage of net revenue decreased primarily due to our cost containment measures. Financial Services

For the fiscal years ended October 31, 2024 and 2023

2022

2024 vs 2023 % Change

2023 vs 2022 % Change

A

Dollars in millions

Net revenue \$3,512A \$3,480A \$3,339A 0.9A % 4.2A %

Earnings from operations \$316A \$387A 12.5A % (27.4)%

Earnings from operations as a % of net revenue 9.0A % 8.1A % 11.6A %

Fiscal 2024 compared with fiscal 2023

FS net revenue increased by \$32 million, or 0.9% (increased 0.6% on a constant currency basis) primarily due to higher finance income from higher average finance leases in a higher interest rate environment, along with favorable currency fluctuations, partially offset by lower rental revenue on lower average operating leases and lower asset management lease buyout revenue. FS earnings from operations as a percentage of net revenue increased 0.9 percentage points, although the cost of services as a percentage of net revenue and operating expenses as a percentage of net revenue were relatively flat. Fiscal 2023 compared with fiscal 2022

FS net revenue increased by \$141 million, or 4.2% (increased 5.4% on a constant currency basis) due primarily to higher rental revenue from higher average operating leases and higher finance income on finance leases due to an increasing interest rate environment, partially offset by lower asset management revenue primarily from lower pre-owned asset sales and unfavorable currency fluctuations. FS earnings from operations as a percentage of net revenue decreased 3.5 percentage points due primarily to an increase in cost of services as a percentage of net revenue, while operating expenses as a percentage of net revenue were 53

Table of Contents

HEWLETT PACKARD ENTERPRISE COMPANY AND SUBSIDIARIES

Management's Discussion and Analysis of Financial Condition and Results of Operations (Continued)

relatively flat. The increase to cost of services as a percentage of net revenue resulted primarily from a combination of higher borrowing costs and higher depreciation expense, partially offset by lower bad debt expense. Financing

Volume

For the fiscal years ended October 31, 2024 and 2023

2022

2024 vs 2023 % Change

2023 vs 2022 % Change

A

Dollars in millions

Financing volume \$6,616A \$6,412A \$6,252A

Financing volume, which represents the amount of financing provided to customers for equipment and related software and services, including intercompany activity, increased by 3.2% in fiscal 2024 as compared to the prior-year period. The increase was primarily driven by higher financing of HPE product sales and services, partially offset by lower financing of third-party product sales and services. Portfolio Assets and Ratios

The FS business model is asset intensive and uses certain internal metrics to measure its performance against other financial services companies, including a segment balance sheet that is derived from our internal management reporting system. The accounting policies used to derive FS amounts are substantially the same as those used by the Company. However, intercompany loans and certain accounts that are reflected in the segment balances are eliminated in our Consolidated Financial Statements. The portfolio assets and ratios derived from the segment balance sheets for FS were as follows:

A

As of October 31, 2024 and 2023

A

Dollars in millions

Financing receivables, gross \$9,647A \$8,814A

Net equipment under operating leases \$3,632A 4,100A

Capitalized profit on intercompany equipment transactions (1) 396A 263A

Intercompany leases (1) 119A 109A

Gross portfolio assets \$13,794A 13,286A

Allowance for doubtful accounts (2) 177A 178A

Operating lease equipment reserve \$30A 36A

Total reserves \$207A 214A

Net portfolio assets \$13,587A 13,072A

Reserve

customary conditions (the **â€œTerm Loan Commitment Letterâ€**). In September 2024, we issued \$9.0Â billion of senior unsecured notes and \$1.5Â billion of Preferred Stock, the net proceeds of which we intend to use to fund a portion of the consideration for the acquisition of Juniper Networks and for other general corporate purposes, which may include, among other uses, repaying certain indebtedness of HPE, Juniper Networks and our and its respective subsidiaries. In addition, in furtherance of the Term Loan Commitment Letter, we entered into term loan agreements with JPMorgan Chase Bank, N.A., Citibank, N.A., and Mizuho Bank, Ltd. for approximately \$12.0Â billion of senior unsecured delayed draw term loan facilities, comprised of an approximately \$9.0Â billion 364-day tranche (which was reduced from the original commitment of \$11.0 billion, upon receipt and application of approximately \$2.0 billion in post-tax proceeds from our sale to UNIS of 30% of the total issued share capital of H3C, as further described below) and a \$3.0Â billion three-year tranche, subject to customary conditions. We have since further reduced the commitments under the 364-day term loan to \$1.0 billion upon receipt and application of certain proceeds from the aforementioned issuance of senior unsecured notes and the Preferred Stock. Unless previously terminated, commitments under both the 364-day term loan and the three-year term loan will terminate upon the earliest of (i) five business days after the Juniper Outside Date (as defined in such term loan agreements), (ii) the occurrence of the closing of the acquisition of Juniper Networks without the funding of any borrowings under either of the term loan agreements, and (iii) the termination of the Merger Agreement by HPE in writing in accordance with its terms. In connection with the entry into the aforementioned 364-day term loan and the three-year term loan, on September 12, 2024, we terminated the Term Loan Commitment Letter. In September 2024, we issued 30Â million shares of the Preferred Stock, par value \$0.01 per share, for an aggregate purchase price of \$1.5Â billion, less issuance costs of \$38Â million. As of October 31, 2024, 30Â million shares of the Preferred Stock was outstanding. We intend to use these net proceeds as indicated above. For more information on our Preferred Stock, refer to Note 15, **â€œStockholders' Equity** to the Consolidated Financial Statements in Item 8 of Part II. Pursuant to the Shareholders' Agreement among our relevant subsidiaries, UNIS, and H3C dated as of May 1, 2016, as amended from time to time, and most recently on October 28, 2022, we delivered a notice to UNIS on December 30, 2022, to exercise our right to put to UNIS, for cash consideration, all of the H3C shares held by us, which represent 49% of the total issued share capital of H3C. On May 26, 2023, our relevant subsidiaries entered into a Put Share Purchase Agreement with UNIS, whereby UNIS has agreed to purchase all of the H3C shares held by us, through our subsidiaries. On May 24, 2024, our relevant subsidiaries entered into (i) an Amended and Restated Put Share Purchase Agreement with UNIS, whereby our relevant subsidiaries shall sell to UNIS 30% of the total issued share capital of H3C for pre-tax cash consideration of approximately \$2.1 billion by August 31, 2024 (the **â€œSale Transaction**), and (ii) an Agreement on Subsequent Arrangements with UNIS, whereby upon closing of the Sale Transaction, our relevant subsidiary shall have a put option to sell to UNIS and 56 Table of Contents HEWLETT PACKARD ENTERPRISE COMPANY AND SUBSIDIARIES Management's Discussion and Analysis of Financial Condition and Results of Operations (Continued) UNIS shall have a call option to purchase from our relevant subsidiary 19% of the total issued share capital of H3C for pre-tax cash consideration of approximately \$1.4 billion between the 16th month and until the 36th month after the Sale Transaction. The transactions referenced in clauses (i) and (ii) above, taken together, revise the arrangements governing the aforementioned sale of all of the H3C shares held by us, through our subsidiaries and are subject to certain grace periods and regulatory approvals. On September 4, 2024, pursuant to the Amended and Restated Put Share Purchase Agreement with UNIS, we received \$2.1Â billion of pre-tax consideration (\$2.0Â billion post-tax), in connection with the sale to UNIS of 30% of the total issued share capital of H3C. Liquidity Our cash, cash equivalents, restricted cash, total debt and available borrowing resources were as follows: As of October 31, 2024 2023 2022 2021 2020 2019 2018 2017 2016 2015 2014 2013 2012 2011 2010 2009 2008 2007 2006 2005 2004 2003 2002 2001 2000 1999 1998 1997 1996 1995 1994 1993 1992 1991 1990 1989 1988 1987 1986 1985 1984 1983 1982 1981 1980 1979 1978 1977 1976 1975 1974 1973 1972 1971 1970 1969 1968 1967 1966 1965 1964 1963 1962 1961 1960 1959 1958 1957 1956 1955 1954 1953 1952 1951 1950 1949 1948 1947 1946 1945 1944 1943 1942 1941 1940 1939 1938 1937 1936 1935 1934 1933 1932 1931 1930 1929 1928 1927 1926 1925 1924 1923 1922 1921 1920 1919 1918 1917 1916 1915 1914 1913 1912 1911 1910 1909 1908 1907 1906 1905 1904 1903 1902 1901 1900 1899 1898 1897 1896 1895 1894 1893 1892 1891 1890 1889 1888 1887 1886 1885 1884 1883 1882 1881 1880 1879 1878 1877 1876 1875 1874 1873 1872 1871 1870 1869 1868 1867 1866 1865 1864 1863 1862 1861 1860 1859 1858 1857 1856 1855 1854 1853 1852 1851 1850 1849 1848 1847 1846 1845 1844 1843 1842 1841 1840 1839 1838 1837 1836 1835 1834 1833 1832 1831 1830 1829 1828 1827 1826 1825 1824 1823 1822 1821 1820 1819 1818 1817 1816 1815 1814 1813 1812 1811 1810 1809 1808 1807 1806 1805 1804 1803 1802 1801 1800 1799 1798 1797 1796 1795 1794 1793 1792 1791 1790 1789 1788 1787 1786 1785 1784 1783 1782 1781 1780 1779 1778 1777 1776 1775 1774 1773 1772 1771 1770 1769 1768 1767 1766 1765 1764 1763 1762 1761 1760 1759 1758 1757 1756 1755 1754 1753 1752 1751 1750 1749 1748 1747 1746 1745 1744 1743 1742 1741 1740 1739 1738 1737 1736 1735 1734 1733 1732 1731 1730 1729 1728 1727 1726 1725 1724 1723 1722 1721 1720 1719 1718 1717 1716 1715 1714 1713 1712 1711 1710 1709 1708 1707 1706 1705 1704 1703 1702 1701 1700 1699 1698 1697 1696 1695 1694 1693 1692 1691 1690 1689 1688 1687 1686 1685 1684 1683 1682 1681 1680 1679 1678 1677 1676 1675 1674 1673 1672 1671 1670 1669 1668 1667 1666 1665 1664 1663 1662 1661 1660 1659 1658 1657 1656 1655 1654 1653 1652 1651 1650 1649 1648 1647 1646 1645 1644 1643 1642 1641 1640 1639 1638 1637 1636 1635 1634 1633 1632 1631 1630 1629 1628 1627 1626 1625 1624 1623 1622 1621 1620 1619 1618 1617 1616 1615 1614 1613 1612 1611 1610 1609 1608 1607 1606 1605 1604 1603 1602 1601 1600 1599 1598 1597 1596 1595 1594 1593 1592 1591 1590 1589 1588 1587 1586 1585 1584 1583 1582 1581 1580 1579 1578 1577 1576 1575 1574 1573 1572 1571 1570 1569 1568 1567 1566 1565 1564 1563 1562 1561 1560 1559 1558 1557 1556 1555 1554 1553 1552 1551 1550 1549 1548 1547 1546 1545 1544 1543 1542 1541 1540 1539 1538 1537 1536 1535 1534 1533 1532 1531 1530 1529 1528 1527 1526 1525 1524 1523 1522 1521 1520 1519 1518 1517 1516 1515 1514 1513 1512 1511 1510 1509 1508 1507 1506 1505 1504 1503 1502 1501 1500 1499 1498 1497 1496 1495 1494 1493 1492 1491 1490 1489 1488 1487 1486 1485 1484 1483 1482 1481 1480 1479 1478 1477 1476 1475 1474 1473 1472 1471 1470 1469 1468 1467 1466 1465 1464 1463 1462 1461 1460 1459 1458 1457 1456 1455 1454 1453 1452 1451 1450 1449 1448 1447 1446 1445 1444 1443 1442 1441 1440 1439 1438 1437 1436 1435 1434 1433 1432 1431 1430 1429 1428 1427 1426 1425 1424 1423 1422 1421 1420 1419 1418 1417 1416 1415 1414 1413 1412 1411 1410 1409 1408 1407 1406 1405 1404 1403 1402 1401 1400 1399 1398 1397 1396 1395 1394 1393 1392 1391 1390 1389 1388 1387 1386 1385 1384 1383 1382 1381 1380 1379 1378 1377 1376 1375 1374 1373 1372 1371 1370 1369 1368 1367 1366 1365 1364 1363 1362 1361 1360 1359 1358 1357 1356 1355 1354 1353 1352 1351 1350 1349 1348 1347 1346 1345 1344 1343 1342 1341 1340 1339 1338 1337 1336 1335 1334 1333 1332 1331 1330 1329 1328 1327 1326 1325 1324 1323 1322 1321 1320 1319 1318 1317 1316 1315 1314 1313 1312 1311 1310 1309 1308 1307 1306 1305 1304 1303 1302 1301 1300 1299 1298 1297 1296 1295 1294 1293 1292 1291 1290 1289 1288 1287 1286 1285 1284 1283 1282 1281 1280 1279 1278 1277 1276 1275 1274 1273 1272 1271 1270 1269 1268 1267 1266 1265 1264 1263 1262 1261 1260 1259 1258 1257 1256 1255 1254 1253 1252 1251 1250 1249 1248 1247 1246 1245 1244 1243 1242 1241 1240 1239 1238 1237 1236 1235 1234 1233 1232 1231 1230 1229 1228 1227 1226 1225 1224 1223 1222 1221 1220 1219 1218 1217 1216 1215 1214 1213 1212 1211 1210 1209 1208 1207 1206 1205 1204 1203 1202 1201 1200 1199 1198 1197 1196 1195 1194 1193 1192 1191 1190 1189 1188 1187 1186 1185 1184 1183 1182 1181 1180 1179 1178 1177 1176 1175 1174 1173 1172 1171 1170 1169 1168 1167 1166 1165 1164 1163 1162 1161 1160 1159 1158 1157 1156 1155 1154 1153 1152 1151 1150 1149 1148 1147 1146 1145 1144 1143 1142 1141 1140 1139 1138 1137 1136 1135 1134 1133 1132 1131 1130 1129 1128 1127 1126 1125 1124 1123 1122 1121 1120 1119 1118 1117 1116 1115 1114 1113 1112 1111 1110 1109 1108 1107 1106 1105 1104 1103 1102 1101 1100 1099 1098 1097 1096 1095 1094 1093 1092 1091 1090 1089 1088 1087 1086 1085 1084 1083 1082 1081 1080 1079 1078 1077 1076 1075 1074 1073 1072 1071 1070 1069 1068 1067 1066 1065 1064 1063 1062 1061 1060 1059 1058 1057 1056 1055 1054 1053 1052 1051 1050 1049 1048 1047 1046 1045 1044 1043 1042 1041 1040 1039 1038 1037 1036 1035 1034 1033 1032 1031 1030 1029 1028 1027 1026 1025 1024 1023 1022 1021 1020 1019 1018 1017 1016 1015 1014 1013 1012 1011 1010 1009 1008 1007 1006 1005 1004 1003 1002 1001 1000 999 998 997 996 995 994 993 992 991 990 989 988 987 986 985 984 983 982 981 980 979 978 977 976 975 974 973 972 971 970 969 968 967 966 965 964 963 962 961 960 959 958 957 956 955 954 953 952 951 950 949 948 947 946 945 944 943 942 941 940 939 938 937 936 935 934 933 932 931 930 929 928 927 926 925 924 923 922 921 920 919 918 917 916 915 914 913 912 911 910 909 908 907 906 905 904 903 902 901 900 899 898 897 896 895 894 893 892 891 890 889 888 887 886 885 884 883 882 881 880 879 878 877 876 875 874 873 872 871 870 869 868 867 866 865 864 863 862 861 860 859 858 857 856 855 854 853 852 851 850 849 848 847 846 845 844 843 842 841 840 839 838 837 836 835 834 833 832 831 830 829 828 827 826 825 824 823 822 821 820 819 818 817 816 815 814 813 812 811 810 809 808 807 806 805 804 803 802 801 800 799 798 797 796 795 794 793 792 791 790 789 788 787 786 785 784 783 782 781 780 779 778 777 776 775 774 773 772 771 770 769 768 767 766 765 764 763 762 761 760 759 758 757 756 755 754 753 752 751 750 749 748 747 746 745 744 743 742 741 740 739 738 737 736 735 734 733 732 731 730 729 728 727 726 725 724 723 722 721 720 719 718 717 716 715 714 713 712 711 710 709 708 707 706 705 704 703 702 701 700 699 698 697 696 695 694 693 692 691 690 689 688 687 686 685 684 683 682 681 680 679 678 677 676 675 674 673 672 671 670 669 668 667 666 665 664 663 662 661 660 659 658 657 656 655 654 653 652 651 650 649 648 647 646 645 644 643 642 641 640 639 638 637 636 635 634 633 632 631 630 629 628 627 626 625 624 623 622 621 620 619 618 617 616 615 614 613 612 611 610 609 608 607 606 605 604 603 602 601 600 599 598 597 596 595 594 593 592 591 590 589 588 587 586 585 584 583 582 581 580 579 578 577 576 575 574 573 572 571 570 569 568 567 566 565 564 563 562 561 560 559 558 557 556 555 554 553 552 551 550 549 548 547 546 545 544 543 542 541 540 539 538 537 536 535 534 533 532 531 530 529 528 527 526 525 524 523 522 521 520 519 518 517 516 515 514 513 512 511 510 509 508 507 506 505 504 503 502 501 500 499 498 497 496 495 494 493 492 491 490 489 488 487 486 485 484 483 482 481 480 479 478 477 476 475 474 473 472 471 470 469 468 467 466 465 464 463 462 461 460 459 458 457 456 455 454 453 452 451 450 449 448 447 446 445 444 443 442 441 440 439 438 437 436 435 434 433 432 431 430 429 428 427 426 425 424 423 422 421 420 419 418 417 416 415 414 413 412 411 410 409 408 407 406 405 404 403 402 401 400 399 398 397 396 395 394 393 392 391 390 389 388 387 386 385 384 383 382 381 380 379 378 377 376 375 374 373 372 371 370 369 368 367 366 365 364 363 362 361 360 359 358 357 356 355 354 353 352 351 350 349 348 347 346 345 344 343 342 341 340 339 338 337 336 335 334 333 332 331 330 329 328 327 326 325 324 323 322 321 320 319 318 317 316 315 314 313 312 311 310 309 308 307 306 305 304 303 302 301 300 299 298 297 296 295 294 293 292 291 290 289 288 287 286 285 284 283 282 281 280 279 278 277 276 275 274 273 272 271 270 269 268 267 266 265 264 263 262 261 260 259 258 257 256 255 254 253 252 251 250 249 248 247 246 245 244 243 242 241 240 239 238 237 236 235 234 233 232 231 230 229 228 227 226 225 224 223 222 221 220 219 218 217 216 215 214 213 212 211 210 209 208 207 206 205 204 203 202 201 200 199 198 197 196 195 194 193 192 191 190 189 188 187 186 185 184 183 182 181 180 179 178 177 176 175 174 173 172 171 170 169 168 167 166 165 164 163 162 161 160 159 158 157 156 155 154 153 152 151 150 149 148 147 146 145 144 143 142 141 140 139 138 137 136 135 134 133 132 131 130 129 128 127 126 125 124 123 122 121 120 119 118 117 116 115 114 113 112 111 110 109 108 107 106 105 104 103 102 101 100 99 98 97 96 95 94 93 92 91 90 89 88 87 86 85 84 83 82 81 80 79 78 77 76 75 74 73 72 71 70 69 68 67 66 65 64 63 62 61 60 59 58 57 56 55 54 53 52 51 50 49 48 47 46 45 44 43 42 41 40 39 38 37 36 35 34 33 32 31 30 29 28 27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 0

per shareDollars Diluted net earnings per shareDollars in millionsGAAP net earnings attributable to HPE\$2,579Á \$1.93Á \$2,025Á \$1.54Á Non-GAAP adjustments:Amortization of intangible assets267Á 0.20Á 288Á 0.22Á Transformation costs93Á 0.07Á 283Á 0.22Á Disaster recovery(51)(0.04)(12)(0.01)Stock-based compensation expense430Á 0.32Á 428Á 0.33Á Divestiture related exit costs35Á 0.03Á Á Á Á Acquisition, disposition and other related charges204Á 0.16Á 69Á 0.05Á Gain on sale of equity interest(73)(0.55)Á Á Á Adjustments for equity interests(107)(0.08)18Á 0.01Á Loss on equity investments, net13Á 0.01Á 40Á 0.03Á Adjustments for taxes(95)(0.07)(25)(0.20)Other adjustments(1)20Á 0.01Á (52)(0.04)Non-GAAP net earnings attributable to HPE(2)2,655Á 1.99Á 2,832Á 1.15Á Preferred stock dividends(25)Á Á Á Non-GAAP net earnings attributable to common stockholders\$2,630Á \$2,832Á (1)Á Á Á Other adjustments includes non-service net periodic benefit cost and tax indemnification and other adjustments.(2)Á Á Á For purposes of calculating Non-GAAP diluted net EPS, the preferred stock dividends are added back to the Non-GAAP net earnings attributable to common stockholders and the diluted weighted average share calculation assumes the preferred stock was converted at issuance or as of the beginning of the reporting period.62Table of ContentsHEWLETT PACKARD ENTERPRISE COMPANY AND SUBSIDIARIESManagement's Discussion and Analysis ofFinancial Condition and Results of Operations (Continued)Reconciliation of net cash provided by operating activities to free cash flow.For the fiscal years ended October 31,202420232022In millionsNet cash provided by operating activities\$4,341Á \$4,428Á \$4,593Á Investment in property, plant and equipment and software assets(2,367)(2,828)(3,122)Proceeds from sale of property, plant and equipment370Á 602Á 602Á Effect of exchange rate changes on cash, cash equivalents, and restricted cash(47)36Á (279)Free cash flows\$2,297Á \$2,238Á \$1,794Á Use of non-GAAP Financial MeasuresThe non-GAAP financial measures presented are net revenue on a constant currency basis (including at the business segment level), non-GAAP gross profit, non-GAAP gross profit margin, non-GAAP earnings from operations, non-GAAP operating profit margin (non-GAAP earnings from operations as a percentage of net revenue), non-GAAP tax rate, non-GAAP net earnings, non-GAAP diluted net earnings per share, and FCF. These non-GAAP financial measures are not computed in accordance with, or as an alternative to, generally accepted accounting principles in the United States. The GAAP measure most directly comparable to net revenue on a constant currency basis is net revenue. The GAAP measure most directly comparable to non-GAAP gross profit is gross profit. The GAAP measure most directly comparable to non-GAAP gross profit margin is gross profit margin. The GAAP measure most directly comparable to non-GAAP earnings from operations is earnings from operations. The GAAP measure most directly comparable to non-GAAP operating profit margin (non-GAAP earnings from operations as a percentage of net revenue) is operating profit margin (earnings from operations as a percentage of net revenue). The GAAP measure most directly comparable to non-GAAP income tax rate is income tax rate. The GAAP measure most directly comparable to non-GAAP net earnings is net earnings. The GAAP measure most directly comparable to non-GAAP diluted net earnings per share is diluted net earnings per share. The GAAP measure most directly comparable to FCF is cash flow from operations.We believe that providing the non-GAAP measures stated above, in addition to the related GAAP measures provides greater transparency to the information used in our financial and operational decision making and allows the reader of our Consolidated Financial Statements to see our financial results á through the eyesá of management. We further believe that providing this information provides investors with a supplemental view to understand our historical and prospective operating performance and to evaluate the efficacy of the methodology and information used by management to evaluate and measure such performance. Disclosure of these non-GAAP financial measures also facilitates comparisons of our operating performance with the performance of other companies in the same industry that supplement their GAAP results with non-GAAP financial measures that may be calculated in a similar manner.Economic Substance of non-GAAP Financial MeasuresNet revenue on a constant currency basis assumes no change to the foreign exchange rate utilized in the comparable prior-year period. This measure assists investors with evaluating our past and future performance, without the impact of foreign exchange rates, as more than half of our revenue is generated outside of the U.S. We believe that excluding the items mentioned below from the non-GAAP financial measures provides a supplemental view to management and our investors of our consolidated financial performance and presents the financial results of the business without costs that we do not believe to be reflective of our ongoing operating results. Exclusion of these items can have a material impact on the equivalent GAAP measure and cash flows thus limiting the use of such non-GAAP financial measures as analytic tools. See á Compensation for Limitations With Use of Non-GAAP Financial Measuresá section below for further information.Non-GAAP gross profit and non-GAAP gross profit margin are defined to exclude charges related to the amortization of initial direct costs, stock-based compensation expense, and disaster charges. See below for the reasons management excludes each item.á Stock-based compensation expense consists of equity awards granted based on the estimated fair value of those awards at grant date. Although stock-based compensation is a key incentive offered to our employees, we exclude these charges for the purpose of calculating these non-GAAP measures, primarily because they are non-cash expenses and our internal benchmarking analyses evidence that many industry participants and peers present non-GAAP financial measures excluding stock-based compensation expense.63Table of ContentsHEWLETT PACKARD ENTERPRISE COMPANY AND SUBSIDIARIESManagement's Discussion and Analysis ofFinancial Condition and Results of Operations (Continued)á Disaster recoveries include direct costs or recovery of these costs related to the exit of the Companyá™s businesses in Russia and Belarus. Hewlett Packard Enterprise excludes disaster recoveries from these non-GAAP measures as the specific net recoveries are non-recurring charges and not indicative of the operational performance of our business.á Divestiture related exit costs include expenses associated with certain disposal activities. On May 23, 2024, HPE announced plans to divest the Companyá™s CTG business, which was completed on December 1, 2024. We consider this divestiture to be a discrete event. We exclude these costs as these expenses are non-recurring exit costs to eliminate stranded costs of this business. In addition, our internal benchmarking analyses evidence that many industry participants and peers present non-GAAP financial measures excluding these charges.Non-GAAP earnings from operations and non-GAAP operating profit margin consist of earnings from operations or earnings from operations as a percentage of net revenue excluding the items mentioned above and charges relating to the amortization of intangible assets, transformation costs and acquisition, disposition and other related charges. In addition to the items previously explained above, management excludes these items for the following reasons:á We incur charges relating to the amortization of intangible assets and exclude these charges for purposes of calculating these non-GAAP measures. Such charges are significantly impacted by the timing and magnitude of our acquisitions. We exclude these charges for the purpose of calculating these non-GAAP measures, primarily because they are noncash expenses and our internal benchmarking analyses evidence that many industry participants and peers present non-GAAP financial measures excluding intangible asset amortization. Although this does not directly affect our cash position, the loss in value of intangible assets over time can have a material impact on the equivalent GAAP earnings measure. á Transformation costs represent net costs related to the (i) HPE Next Plan and (ii) Cost Optimization and Prioritization Plan and include restructuring charges, program design and execution costs, costs incurred to transform our IT infrastructure, net gains from the sale of real estate and any impairment charges on real estate identified as part of the initiatives. We exclude these costs as they are discrete costs related to two specific transformation programs that were announced in 2017 and 2020, respectively, as multi-year programs necessary to transform the business and IT infrastructure following material divestiture transactions in 2017 and in response to COVID-19 and an evolving product portfolio in fiscal 2020. The primary elements of the HPE Next and the Cost Optimization and Prioritization Plan have been substantially completed by October 31, 2023. The exclusion of the transformation program costs from our non-GAAP financial measures as stated above is to provide a supplemental measure of our operating results that does not include material HPE Next Plan and Cost Optimization and Prioritization Plan costs as we do not believe such costs to be reflective of our ongoing operating cost structure. Further as our transformation costs for these plans have materially fluctuated since 2017, have been materially declining since 2021 and we do not expect to incur material transformation costs related to these programs beyond fiscal 2024, we believe non-GAAP measures excluding these costs are useful to management and investors for comparing operating performance across multiple periods.á We incur costs related to our acquisition, disposition and other related charges. The charges are direct expenses, such as professional fees and retention costs, most of which are treated as non-cash or non-capitalized expenses. For fiscal 2024, these charges were driven by costs associated with the pending merger with Juniper Networks and the acquisition of Morpheus Data, in addition to prior acquisitions of Axis, Athonet and OpsRamp. For fiscal 2023, these charges were driven by acquisitions of Axis, Zerto, OpsRamp and Athonet. Charges may also include expenses associated with disposal activities including legal and arbitration settlements in connection with certain dispositions. We consider these acquisitions and divestitures to be discrete events. We exclude these costs as these expenses are inconsistent in amount and frequency and are significantly impacted by the timing and nature of our acquisitions and divestitures. In addition, our internal benchmarking analyses evidence that many industry participants and peers present non-GAAP financial measures excluding these charges.Non-GAAP net earnings and non-GAAP diluted net earnings per share consist of net earnings or diluted net earnings per share excluding those same charges mentioned above, as well as other items such as adjustments for equity interests, gain or loss on equity investments, other adjustments, and adjustments for taxes. The Adjustments for taxes line item includes certain income tax valuation allowances and separation taxes, the impact of tax reform, structural rate adjustment, excess tax benefit from stock-based compensation, and adjustments for additional taxes or tax benefits associated with each non-GAAP item. In addition to the items previously explained, management excludes these items for the following reasons:á During the six months ended April 30, 2024, we stopped reporting H3C earnings in our non-GAAP results due to the planned divestiture of the H3C investment. Per the terms of the original Put Share Purchase Agreement, we werená™t anticipating receiving dividends from this investment prospectively. However, on May 24, 2024, we entered into an 64Table of ContentsHEWLETT PACKARD ENTERPRISE COMPANY AND SUBSIDIARIESManagement's Discussion and Analysis ofFinancial Condition and Results of Operations (Continued)Amended and Restated Put Share Purchase Agreement and an Agreement on Subsequent Arrangements, both with UNIS, as described in Note 19 á Equity Interestsá to the Consolidated Financial Statements in Item 8 of Part II, which, taken together, revise the arrangements governing the aforementioned sale as previously set forth in the original Put Share Purchase Agreement. On September 4, 2024, we divested 30% of the total issued share capital of H3C, which resulted in a gain of \$733 million and is included in the fiscal 2024 adjustment Gain on sale of equity interest. We continue to possess the option to sell the remaining 19% of the total issued share capital of H3C at a later date. For the second half of fiscal 2024, the adjustment for equity interests incorporated the completed divestment of 30% of the total issued share capital of H3C. All periods presented include the amortization of the basis difference in our investment. For fiscal 2023, this adjustment also included our portion of intangible asset impairment charges from H3C. We believe that eliminating these amounts for purposes of calculating non-GAAP financial measures facilitates the evaluation of our current operating performance.á We exclude gains and losses (including impairments) on our non-marketable equity investments because we do not believe they are reflective of normal continuing business operations. These adjustments are reflected in Interest and other, net in the Consolidated Statements of Earnings. We believe eliminating these adjustments for the purposes of calculating non-GAAP measures facilitates the evaluation of our current operating performance.á We utilize a structural long-term projected non-GAAP income tax rate in order to provide consistency across the interim reporting periods and to eliminate the effects of items not directly related to our operating structure that can vary in size, frequency and timing. When projecting this long-term rate, we evaluated a three-year financial projection. The projected rate assumes no incremental acquisitions in the three-year projection period and considers other factors including our expected tax structure, our tax positions in various jurisdictions and current impacts from key legislation implemented in major jurisdictions where we operate. For fiscal 2024, we used a projected non-GAAP income tax rate of 15%, which reflects currently available information as well as other factors and assumptions. For fiscal 2023 we used a non-GAAP income tax rate of 14%. The non-GAAP income tax rate could be subject to change for a variety of reasons, including the rapidly evolving global tax environment, significant changes in our geographic earnings mix including due to acquisition activity, or other changes to our strategy or business operations. We will re-evaluate its long-term rate as appropriate. We believe that making these adjustments for purposes of calculating non-GAAP measures, facilitates a supplemental evaluation of our current operating performance and comparisons to past operating results.FCF is defined as cash flow from operations, less net capital expenditures (investments in PP&E and software assets less proceeds from the sale of PP&E), and adjusted for the effect of exchange rate fluctuations on cash, cash equivalents, and restricted cash. FCF does not represent the total increase or decrease in cash for the period. Our management and investors can use FCF for the purpose of determining the amount of cash available for investment in our businesses, repurchasing stock and other purposes as well as evaluating our historical and prospective liquidity.Compensation for Limitations With Use of Non-GAAP Financial MeasuresThese non-GAAP financial measures have limitations as analytical tools, and these measures should not be considered in isolation or as a substitute for analysis of our results as reported under GAAP. Some of the limitations in relying on these non-GAAP financial measures are that they can have a material impact on the equivalent GAAP earnings measures and cash flows, they may be calculated differently by other companies (limiting the usefulness of those measures for comparative purposes) and may not reflect the full economic effect of the loss in value of certain assets.We compensate for these limitations on the use of non-GAAP financial measures by relying primarily on our GAAP results and using non-GAAP financial measures only as a supplement. We also provide a reconciliation of each non-GAAP financial measure to its most directly comparable GAAP financial measure for this fiscal year and prior periods, and we encourage investors to review those reconciliations carefully.65Table of ContentsITEM 7A. Quantitative and Qualitative Disclosures About Market Risk.In the normal course of business, we are exposed to foreign currency exchange rate and interest rate risks that could impact our financial position and results of operations. Our risk management strategy with respect to these market risks may include the use of derivative financial instruments. We use derivative contracts only to manage existing underlying exposures. Accordingly, we do not use derivative contracts for speculative purposes. Our risks, risk management strategy and a sensitivity analysis estimating the effects of changes in fair value for each of these exposures is outlined below.Actual gains and losses in the future may differ materially from the sensitivity analyses based on changes in the timing and amount of foreign currency exchange rate and interest rate movements and our actual exposures and derivatives in place at the time of the change, as well as the effectiveness of the derivative to hedge the related exposure.Foreign currency exchange rate riskWe are exposed to foreign currency exchange rate risk inherent in our sales commitments, anticipated sales, anticipated purchases, and assets and liabilities denominated in currencies other than the U.S. dollar. We transact business in approximately 40 currencies worldwide, of which the most significant foreign currencies to our operations for fiscal 2024 were the euro, Japanese yen, and Indian rupee. For most currencies, we are a net receiver of the foreign currency and therefore benefit from a weaker U.S. dollar and are adversely affected by a stronger U.S. dollar relative to the foreign currency. Even where we are a net receiver of the foreign currency, a weaker U.S. dollar may adversely affect certain expense figures, if taken alone.We use a combination of forward contracts and, from time to time, options designated as cash flow hedges to protect against the foreign currency exchange rate risks inherent in our forecasted net revenue and, to a lesser extent, cost of sales, operating expenses, and intercompany loans denominated in currencies other than the U.S. dollar. In addition, when debt is denominated in a foreign currency, we may use swaps to exchange the foreign currency principal and interest obligations for U.S. dollar-denominated amounts to manage the exposure to changes in foreign currency exchange rates. We also use other derivatives not designated as hedging instruments, consisting primarily of forward contracts, to hedge foreign currency balance sheet exposures. Alternatively, we may choose not to hedge the risk associated with our foreign currency exposures, primarily if such exposure acts as a natural hedge for offsetting amounts denominated in the same currency or if the currency is too difficult or too expensive to hedge. We have performed sensitivity analyses as of OctoberÁ 31, 2024 and 2023, using a modeling technique that measures the change in the fair values arising from a hypothetical 10% adverse movement in the levels of foreign currency exchange rates relative to the U.S. dollar, with all other variables held constant. The analyses cover all of our foreign currency derivative contracts offset by underlying exposures. The foreign currency exchange rates we used in performing the sensitivity analysis were based on market rates in effect at OctoberÁ 31, 2024 and 2023, respectively. The sensitivity analyses indicated that a hypothetical 10% adverse movement in foreign currency exchange rates would result in a foreign exchange fair value loss of \$44Á million and \$48Á million at OctoberÁ 31, 2024 and 2023, respectively.Interest rate riskWe also are exposed to interest rate risk related to debt we have issued, our debt investment portfolio and net portfolio assets of our Financial Services segment. We issue long-term debt in either U.S. dollars or foreign currencies based on market conditions at the time of financing.We often use interest rate and/or currency swaps to modify the market risk exposures in connection with the debt to achieve U.S. dollar based floating or fixed interest expense. The swap transactions generally involve the exchange of fixed for floating interest payments. However, in circumstances where we believe additional fixed-rate debt would be beneficial, we may choose to terminate a previously executed swap, or swap certain floating interest payments to fixed.We have performed sensitivity analyses as of OctoberÁ 31, 2024 and 2023, using a modeling technique that measures the change in the fair values arising from a hypothetical 10% adverse movement in the levels of interest rates across the entire yield curve, with all other variables held constant. The analyses cover our debt, debt investments, net portfolio assets, and interest rate swaps. The analyses use actual or approximate maturities for the debt, debt investments, net portfolio assets, and interest rate swaps. The discount rates used were based on the market interest rates in effect at OctoberÁ 31, 2024 and 2023, respectively. The sensitivity analyses indicated that a hypothetical 10% adverse movement in interest rates would result in a loss in the fair values of our debt, debt investments and net portfolio assets, net of interest rate swaps, of

0
\$233 million and \$411 million at October 31, 2024 and 2023, respectively. For more information about our debt, use of derivative instruments, forward contracts and investments, Refer to Note 1, [Hewlett-Packard Enterprise Company's Report on Internal Control Over Financial Reporting](#), [Table of Contents](#), [Page Reports of Independent Registered Public Accounting Firm \(PCAOB ID: 42\)68Management's Report on Internal Control Over Financial Reporting71Consolidated Statements of Earnings72Consolidated Statements of Comprehensive Income73Consolidated Balance Sheets74Consolidated Statements of Cash Flows75Consolidated Statements of Stockholders' Equity76Notes to Consolidated Financial Statements78Note A 1: Overview and Summary of Significant Accounting Policies78Note A 2: Segment Information88Note 3: Transformation Programs91Note A 4: Retirement and Post-Retirement Benefit Plans92Note A 5: Stock-Based Compensation99Note A 6: Taxes on Earnings101Note A 7: Balance Sheet Details106Note 8: Accounting for Leases as a Lessee110Note A 9: Accounting for Leases as a Lessor111Note A 10: Acquisitions and Dispositions115Note A 11: Goodwill and Intangible Assets117Note A 12: Fair Value119Note A 13: Financial Instruments122Note A 14: Borrowings127Note A 15: Stockholders' Equity130Note A 16: Net Earnings Per Share132Note A 17: Litigation, Contingencies, and Commitments133Note A 18: Guarantees and Indemnifications135Note 19: Equity Interests137Unless otherwise stated or the context otherwise indicates, all references in this Annual Report on Form 10-K to \[HPE\]\(#\), \[we\]\(#\), \[us\]\(#\), or \[the Company\]\(#\) mean Hewlett Packard Enterprise Company and its consolidated subsidiaries. \[Table of Contents\]\(#\)\[Report of Independent Registered Public Accounting Firm\]\(#\)To the Stockholders and the Board of Directors of Hewlett Packard Enterprise Company Opinion on the Financial Statements We have audited the accompanying consolidated balance sheets of Hewlett Packard Enterprise Company and subsidiaries \(\[the Company\]\(#\)\) as of October 31, 2024 and 2023, the related consolidated statements of earnings, comprehensive income, stockholders' equity and cash flows for each of the three years in the period ended October 31, 2024, and the related notes \(collectively referred to as the \[consolidated financial statements\]\(#\)\). In our opinion, the consolidated financial statements present fairly, in all material respects, the financial position of the Company at October 31, 2024 and 2023, and the results of its operations and its cash flows for each of the three years in the period ended October 31, 2024, in conformity with U.S. generally accepted accounting principles. We also have audited, in accordance with the standards of the Public Company Accounting Oversight Board \(United States\) \(\[the PCAOB\]\(#\)\), the Company's internal control over financial reporting as of October 31, 2024, based on criteria established in Internal Control-Integrated Framework issued by the Committee of Sponsoring Organizations of the Treadway Commission \(2013 framework\) and our report dated December 19, 2024 expressed an unqualified opinion thereon.Basis for OpinionThese financial statements are the responsibility of the Company's management. Our responsibility is to express an opinion on the Company's financial statements based on our audits. We are a public accounting firm registered with the PCAOB and are required to be independent with respect to the Company in accordance with the U.S. federal securities laws and the applicable rules and regulations of the Securities and Exchange Commission and the PCAOB. We conducted our audits in accordance with the standards of the PCAOB. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement, whether due to error or fraud. Our audits included performing procedures to assess the risks of material misstatement of the financial statements, whether due to error or fraud, and performing procedures that respond to those risks. Such procedures included examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements. Our audits also included evaluating the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of the financial statements. We believe that our audits provide a reasonable basis for our opinion.Critical Audit MattersThe critical audit matters communicated below are matters arising from the current period audit of the financial statements that were communicated or required to be communicated to the audit committee and that: \(1\) relate to accounts or disclosures that are material to the financial statements and \(2\) involved our especially challenging, subjective or complex judgments. The communication of critical audit matters does not alter in any way our opinion on the consolidated financial statements, taken as a whole, and we are not, by communicating the critical audit matters below, providing separate opinions on the critical audit matters or on the accounts or disclosures to which they relate.Valuation of goodwillDescription of the matterAt October 31, 2024, the Company's goodwill was \\$18 billion, of which \\$4.8 billion related to the Hybrid Cloud reporting unit. As discussed in Note 11 to the consolidated financial statements, goodwill is tested for impairment at least annually at the reporting unit level and more frequently when warranted based on indicators of impairment. Auditing management's goodwill impairment test for the Hybrid Cloud reporting unit was complex and highly judgmental due to the significant estimation required to determine the fair value of the reporting unit. In particular, the fair value estimates of the Hybrid Cloud reporting unit was sensitive to significant assumptions, such as the terminal revenue growth rate and operating margin, which are affected by expectations about future market or economic conditions.\[Table of Contents\]\(#\)How we addressed the matter in our auditWe obtained an understanding, evaluated the design and tested the operating effectiveness of controls over the Company's goodwill impairment review process, including controls over the significant assumptions described above. To test the estimated fair value of the Company's Hybrid Cloud reporting unit, we performed audit procedures that included, among others, assessing methodologies and testing the significant assumptions discussed above and the underlying data used by the Company in its analysis. We compared the significant assumptions used by management to current industry and economic trends and evaluated whether changes to the Company's business model, product mix and other factors would affect the significant assumptions. We assessed the historical accuracy of management's estimates and performed sensitivity analyses of significant assumptions to evaluate the changes in the fair value of the reporting unit that would result from changes in the assumptions.In addition, we tested management's reconciliation of the fair value of all the reporting units to the market capitalization of the Company. We involved our valuation professionals to evaluate the application of valuation methodologies in the Company's annual impairment test.Estimation of variable considerationDescription of the matterAs described in Note 1 to the consolidated financial statements, the Company recognizes revenue for sales to its customers after deducting management's estimates of variable consideration which may include various rebates, volume-based discounts, price protection, and other incentive programs that are offered to customers, partners, and distributors. Estimated variable consideration is presented within other accrued liabilities on the consolidated balance sheet and totaled \\$1.0 billion at October 31, 2024. Auditing the estimates of variable consideration associated with rebates, specifically within the Intelligent Edge segment, was complex and judgmental due to the level of uncertainty involved in management's estimate of expected usage of these programs.How we addressed the matter in our auditWe obtained an understanding, evaluated the design and tested the operating effectiveness of controls over the Company's process for estimating rebates, including controls over the significant assumptions described above.To test the Company's determination of variable consideration we performed audit procedures that included, among others, evaluating the methodologies, testing the significant assumptions discussed above and testing the completeness and accuracy of the underlying data used by the Company in its analyses. We compared the significant assumptions to historical experience of the Company to develop an expectation of the rebates associated with product remaining in the distribution channel at October 31, 2024, which we compared to management's recorded amount. In addition, we inspected the underlying agreements and compared the incentive rates used in the Company's analyses with contractual rates. We assessed the historical accuracy of management's estimates by comparing previous estimates of rebate liabilities to the amount of actual payments in subsequent periods./ Ernst & Young LLP We have served as the Company's auditor since 2014.Houston, TexasDecember 19, 2024\[Table of Contents\]\(#\)\[Report of Independent Registered Public Accounting Firm\]\(#\)To the Stockholders and the Board of Directors of Hewlett Packard Enterprise Company Opinion on Internal Control Over Financial Reporting We have audited Hewlett Packard Enterprise Company and subsidiaries' internal control over financial reporting as of October 31, 2024, based on criteria established in Internal Control-Integrated Framework issued by the Committee of Sponsoring Organizations of the Treadway Commission \(2013 framework\) \(the COSO criteria\). In our opinion, Hewlett Packard Enterprise Company and subsidiaries \(the Company\) maintained, in all material respects, effective internal control over financial reporting as of October 31, 2024, based on the COSO criteria. We also have audited, in accordance with the standards of the Public Company Accounting Oversight Board \(United States\) \(PCAOB\), the consolidated balance sheets of the Company as of October 31, 2024 and 2023, the related consolidated statements of earnings, comprehensive income, stockholders' equity and cash flows for each of the three years in the period ended October 31, 2024, and the related notes and our report dated December 19, 2024 expressed an unqualified opinion thereon.Basis for OpinionThe Company's management is responsible for maintaining effective internal control over financial reporting and for its assessment of the effectiveness of internal control over financial reporting included in the accompanying Management's Report on Internal Control Over Financial Reporting. Our responsibility is to express an opinion on the Company's internal control over financial reporting based on our audit. We are a public accounting firm registered with the PCAOB and are required to be independent with respect to the Company in accordance with the U.S. federal securities laws and the applicable rules and regulations of the Securities and Exchange Commission and the PCAOB. We conducted our audit in accordance with the standards of the PCAOB. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether effective internal control over financial reporting was maintained in all material respects. Our audit included obtaining an understanding of internal control over financial reporting, assessing the risk that a material weakness exists, testing and evaluating the design and operating effectiveness of internal control based on the assessed risk, and performing such other procedures as we considered necessary in the circumstances. We believe that our audit provides a reasonable basis for our opinion.Definition and Limitations of Internal Control Over Financial Reporting A company's internal control over financial reporting is a process designed to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles. A company's internal control over financial reporting includes those policies and procedures that \(1\) pertain to the maintenance of records that, in reasonable detail, accurately and fairly reflect the transactions and dispositions of the assets of the company; \(2\) provide reasonable assurance that transactions are recorded as necessary to permit preparation of financial statements in accordance with generally accepted accounting principles, and that receipts and expenditures of the company are being made only in accordance with authorizations of management and directors of the company; and \(3\) provide reasonable assurance regarding prevention or timely detection of unauthorized acquisition, use, or disposition of the company's assets that could have a material effect on the financial statements. Because of its inherent limitations, internal control over financial reporting may not prevent or detect misstatements. Also, projections of any evaluation of effectiveness to future periods are subject to the risk that controls may become inadequate because of changes in conditions, or that the degree of compliance with the policies or procedures may deteriorate./ Ernst & Young LLPHouston, TexasDecember 19, 2024\[Table of Contents\]\(#\)\[Management's Report on Internal Control Over Financial Reporting\]\(#\)Hewlett Packard Enterprise's management is responsible for establishing and maintaining adequate internal control over financial reporting for Hewlett Packard Enterprise. Hewlett Packard Enterprise's internal control over financial reporting is a process designed to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with U.S. generally accepted accounting principles. Hewlett Packard Enterprise's internal control over financial reporting includes those policies and procedures that \(i\) pertain to the maintenance of records that, in reasonable detail, accurately and fairly reflect the transactions and dispositions of the assets of Hewlett Packard Enterprise; \(ii\) provide reasonable assurance that transactions are recorded as necessary to permit preparation of financial statements in accordance with generally accepted accounting principles, and that receipts and expenditures of Hewlett Packard Enterprise are being made only in accordance with authorizations of management and directors of Hewlett Packard Enterprise; and \(iii\) provide reasonable assurance regarding prevention or timely detection of unauthorized acquisition, use, or disposition of Hewlett Packard Enterprise's assets that could have a material effect on the financial statements.Because of its inherent limitations, internal control over financial reporting may not prevent or detect misstatements. Also, projections of any evaluation of effectiveness to future periods are subject to the risk that controls may become inadequate because of changes in conditions, or that the degree of compliance with the policies or procedures may deteriorate.Hewlett Packard Enterprise's management assessed the effectiveness of Hewlett Packard Enterprise's internal control over financial reporting as of October 31, 2024, utilizing the criteria set forth by the Committee of Sponsoring Organizations of the Treadway Commission \(COSO\) in Internal Control-Integrated Framework \(2013 framework\). Based on the assessment by Hewlett Packard Enterprise's management, we determined that Hewlett Packard Enterprise's internal control over financial reporting was effective as of October 31, 2024. The effectiveness of Hewlett Packard Enterprise's internal control over financial reporting as of October 31, 2024 has been audited by Ernst & Young LLP, Hewlett Packard Enterprise's independent registered public accounting firm, as stated in their report on the preceding pages./ Antonio F. Neri/s/ Marie MyersAntonio F. NeriPresident and Chief Executive Officer\(Principal Executive Officer\)/Marie MyersExecutive Vice President and Chief Financial Officer\(Principal Financial Officer\)December 19, 2024December 19, 2024\[Table of Contents\]\(#\)HEWLETT PACKARD ENTERPRISE COMPANY AND SUBSIDIARIESConsolidated Statements of EarningsFor the fiscal years ended October 31, 202420232022In millions, except per share amountsNet Revenue: \\$ 18,587 \\$ 18,100 \\$ 17,794 Services10,872 10,488 10,219 Financing income668 547 483 Total net revenue30,127 29,135 28,496 Costs and Expenses: \\$ 11,958 12,463 Cost of products \(exclusive of amortization shown separately below\)7,934 8,555 6,217 Financing cost495 383 310 Research and development2,464 2,349 2,045 Selling, general and administrative4,871 5,160 4,941 Amortization of intangible assets267 288 293 Impairment of goodwill 1,905 Transformation costs93 283 473 Disaster charges7 1 14 Acquisition, disposition and other related charges204 69 19 Total costs and expenses27,937 27,737 27,064 27,714 Earnings from operations 2,190 2,089 782 Interest and other, net\(117\)\(104\)\(121\)Gain on sale of equity interest733 1,426 2,230 Earnings before provision for taxes2,953 2,230 876 Provision for taxes\(374\)\(205\)\(8\)Net earnings attributable to HPE2,579 2,025 868 Preferred stock dividends\(25\) 1,566 1,544 Net earnings attributable to common stockholders2,554 2,025 868 Net Earnings Per ShareAttributable to Common Stockholders: \\$ 1.95A \\$ 1.56A \\$ 1.56A Diluted1.93A 1.54A 1.54A Weighted-average Shares Used to Compute Net Earnings Per Share: \\$ 1.309A 1.299A 1.303A Diluted1.337A 1.316A 1.322A The accompanying notes are an integral part of these Consolidated Financial Statements.72Table of ContentsHEWLETT PACKARD ENTERPRISE COMPANY AND SUBSIDIARIESConsolidated Statements of Comprehensive IncomeFor the fiscal years ended October 31, 202420232022In millionsNet earnings attributable to HPE\\$ 2,579 \\$ 2,025 \\$ 868 Other Comprehensive Income \(Loss\) Before TaxesChange in Net Unrealized Gains \(Losses\) on Available-for-sale Securities:Net unrealized gains \(losses\) arising during the period\\$ 1.16 \(16\) Change in Net Unrealized \(Losses\) Gains on Cash Flow Hedges:Net unrealized \(losses\) gains arising during the period\(115\) \(177\) 1,025 Net losses \(gains\) reclassified into earnings16 116 \(97\) \(99\)\(61\) 474 Change in Unrealized Components of Defined Benefit Plans: \\$ 1.24 1.24 1.24 Net unrealized gains \(losses\) arising during the period34 \(99\)\(315\)Amortization of net actuarial loss and prior service benefit13](#)

Activities:Â A Net earnings attributable to HPE2,579Â 2,025Â \$868Â Adjustments to Reconcile Net Earnings Attributable to HPE to Net Cash Provided by Operating Activities:Â A Depreciation and amortization2,564Â 2,616Â 2,480Â Impairment of goodwillÂ A Â 905Â Stock-based compensation expense430Â 428Â 391Â Provision for inventory and credit losses175Â 230Â 262Â Restructuring charges33Â 242Â 214Â Deferred taxes on earnings(64)(67)(249)Earnings from equity interests(147)(245)(215)Gain on sale of equity interest(733)Â A Â Dividends received from equity investees43Â 200Â 197Â Other, net149Â 31Â 310Â Changes in Operating Assets and Liabilities, Net of Acquisitions:Accounts receivable(83)577Â (186)Financing receivables(909)(607)694Â Inventory(3,358)400Â (713)Accounts payable(3,927)1,655(1,707)A Taxes on earnings190Â (34)150Â Restructuring(164)(275) (334)Other assets and liabilities(291)562Â (1,888)Net cash provided by operating activities4,341Â 4,428Â 4,593Â Cash Flows from Investing Activities:Â A Investment in property, plant and equipment and software assets(2,367)(2,828)(3,122)Proceeds from sale of property, plant and equipment370Â 602Â 602Â Purchases of investments(16)(15)(55)Proceeds from maturities and sales of investments2,149Â 9Â 262Â Financial collateral posted(1,020)(1,443)(148)Financial collateral received978Â 1,152Â 374Â Payments made in connection with business acquisitions, net of cash acquired(147)(761)Â A Net cash used in investing activities(53)(3,284)(2,087)Cash Flows from Financing Activities:Â A Short-term borrowings with original maturities less than 90Â days, net(31)(47)100Â Proceeds from debt, net of issuance costs11,245Â 4,725Â 3,296Â Payment of debt(5,475)(4,887)(3,992)Cash settlement for derivative hedging debtÂ A (7)(8)Net payments related to stock-based award activities(84)(106)(53)Proceeds from issuance of 7.625% Series C mandatory convertible preferred stock, net of issuance costs1,462Â Â A Â Repurchase of common stock(150)(421)(512)Cash dividends paid to non-controlling interests, net of contributions(8)Â A (6)Cash dividends paid to shareholders(676) (619)(621)Net cash provided by (used in) financing activities6,283Â (1,362)(1,796)Effect of exchange rate changes on cash, cash equivalents, and restricted cash(47)36Â (279)Change in cash, cash equivalents and restricted cash10,524Â (182)431Â Cash, cash equivalents and restricted cash at beginning of period4,581Â 4,763Â 4,332Â Cash, cash equivalents and restricted cash at end of period\$15,105Â 4,581Â \$4,763Â Supplemental Cash Flow Disclosures:Â A Income taxes paid, net of refunds\$248Â \$307Â \$107Â Interest expense paid\$772Â \$677Â \$453Â The accompanying notes are an integral part of these Consolidated Financial Statements.75Table of ContentsHEWLETT PACKARD ENTERPRISE COMPANY AND SUBSIDIARIESConsolidated Statements of Stockholders' EquityÂ A Â Common StockÂ Preferred StockIn millions, except number of shares in thousandsNumber of SharesPar ValueNumber of 7.625% Series C Mandatory ConvertibleSharesAdditional Paid-in CapitalAccumulated DeficitAccumulated OtherComprehensiveLossEquityAttributable to theCompanyNon-controlling InterestsTotalEquityBalance at October 31, 20211,294,634Â \$13Â Â \$28,470Â \$(5,597)\$(2,915)19,971Â \$46Â \$20,017Â Net earnings attributable to HPE868Â 868Â 5Â 873Â Other comprehensive loss(183) (183)Â A (183)Comprehensive income685Â 5Â 690Â Stock-based compensation expense391Â 391Â 391Â Tax withholding related to vesting of employee stock plans(11)(11)(11)Issuance of common stock in connection with employee stock plans and other21,346Â 54Â 54Â 2Â 56Â Repurchases of common stock(34,943)(505)(505)(505)Cash dividends declared (\$0.48 per common share)(621)(621)(8)(629)Balance at October 31, 20221,281,037Â \$13Â Â \$28,299Â \$(5,350)\$(3,098)\$19,864Â \$45Â \$19,909Â Net earnings attributable to HPE2,025Â (2)285Â 11Â 2,036Â Other comprehensive income14Â 14Â Â 14Â Comprehensive income2,039Â 11Â 2,050Â Stock-based compensation expense428Â 428Â 428Â Tax withholding related to vesting of employee stock plans(165)(165)(165)Issuance of common stock in connection with employee stock plans and other28,684Â 56Â (2)54Â 54Â Repurchases of common stock(27,091)(419)(419)Cash dividends declared (\$0.48 per common share)(619)(619)(619)Balance at October 31, 20231,282,630Â \$13Â Â \$28,199Â \$(3,946)\$(3,084)\$21,182Â \$56Â \$21,238Â 76Table of ContentsHEWLETT PACKARD ENTERPRISE COMPANY AND SUBSIDIARIESCommon StockÂ Preferred StockIn millions, except number of shares in thousandsNumber of SharesPar ValueNumber of 7.625% Series C Mandatory ConvertibleSharesAdditional Paid-in CapitalAccumulated DeficitAccumulated OtherComprehensiveLossEquityAttributable to theCompanyNon-controlling InterestsTotalEquityBalance at October 31, 20231,282,630Â \$13Â Â \$28,199Â \$(3,946)\$(3,084)\$21,182Â \$56Â \$21,238Â Net earnings attributable to HPE2,579Â 2,579Â 16Â 2,595Â Other comprehensive income107Â 107Â Â 107Â Comprehensive income2,686Â 16Â 2,702Â Stock-based compensation expense430Â 430Â 430Â Tax withholding related to vesting of employee stock plans(145) (145)(145)Equity issued in connection with the 7.625% Series C mandatory convertible preferred stock30,000Â 1,462Â 1,462Â 1,462Â Issuance of common stock in connection with employee stock plans and other22,385Â 52Â Â 52Â 52Â Repurchases of common stock(7,757)(150)(150)(150)Dividend on preferred stock accrued / declared (\$0.83 per preferred share)(25)(25) (25)Cash dividends declared (\$0.52 per common share)(676)(676)(8)(684)Balance at October 31, 20241,297,258\$13Â 30,000\$29,848Â \$(2,068)\$(2,977)\$24,816Â \$64Â \$24,880Â The accompanying notes are an integral part of these Consolidated Financial Statements.77Table of ContentsHEWLETT PACKARD ENTERPRISE COMPANY AND SUBSIDIARIESNotes to Consolidated Financial StatementsNoteÂ 1: Overview and Summary of Significant Accounting PoliciesBackgroundHewlett Packard Enterprise Company (â€Hewlett Packard Enterprise, â€ â€HPE,â€ or the â€Companyâ€) is a global technology leader focused on developing intelligent solutions that allow customers to capture, analyze and act upon data seamlessly from edge to cloud. Hewlett Packard Enterprise enables customers to accelerate business outcomes by driving new business models, creating new customer and employee experiences, and increasing operational efficiency today and into the future. Hewlett Packard Enterprise's customers range from small- and medium-sized businesses to large global enterprises and governmental entities.Basis of Presentation and Principles of Consolidation The Consolidated Financial Statements are prepared in accordance with U.S. generally accepted accounting principles (â€GAAPâ€). The accompanying Consolidated Financial Statements include the accounts of the Company and its subsidiaries and affiliates in which the Company has a controlling financial interest or is the primary beneficiary. All intercompany transactions and accounts within the consolidated businesses of the Company have been eliminated.The Company consolidates a Variable Interest Entity (â€VIEâ€) where it has been determined that the Company is the primary beneficiary of the entity's operation. The primary beneficiary is the party that has both the power to direct the activities that most significantly impact the VIE's economic performance and the obligation to absorb losses or the right to receive benefits of the VIE that could potentially be significant to the VIE. In evaluating whether the Company is the primary beneficiary, the Company evaluates its power to direct the most significant activities of the VIE by considering the purpose and design of the entity and the risks the entity was designed to create and pass through to its variable interest holders. The Company also evaluates its economic interests in the VIE.The Company accounts for investments in companies over which it has the ability to exercise significant influence but does not hold a controlling interest under the equity method of accounting, and the Company records its proportionate share of income or losses in Earnings from equity interests in the Consolidated Statements of Earnings. Non-controlling interests are presented as a separate component within Total stockholders' equity in the Consolidated Balance Sheets. Net earnings attributable to non-controlling interests are recorded within Interest and other, net in the Consolidated Statements of Earnings and are not presented separately, as they were not material for any periods presented.Segment Realignment Effective as of the beginning of fiscal 2024, in order to align the segment financial reporting more closely with its business structure, the Company established two new reportable segments, Hybrid Cloud and Server. Hybrid Cloud includes the historical Storage segment, HPE GreenLake Flex Solutions (which provides flexible as-a-service (â€aaSâ€) IT infrastructure through the HPE GreenLake cloud and was previously reported under the Compute and the High Performance Computing & Artificial Intelligence (â€HPC & AIâ€) segments), Private Cloud, and Software (previously reported under the Corporate Investments and Other segment). The Server segment combines the previously separately reported Compute and HPC & AI segments, with adjustments for certain product lines that are now reported in Hybrid Cloud. Additionally, certain products and services previously reported in the financial results for the HPC & AI segment were moved to be reported in the Hybrid Cloud segment, and the Athonet business and certain components of the Communications and Media Solutions (â€CMSâ€) business, both previously reported in the financial results for Corporate Investments and Other, moved to be reported in the Intelligent Edge segment. As a result, the Companyâ€™s organizational structure for fiscal 2024 consisted of the following segments: (i) Server; (ii) Hybrid Cloud; (iii) Intelligent Edge; (iv) Financial Services; and (v) Corporate Investments and Other. The Company began reporting under this re-aligned segment structure beginning with the results of the first quarter of fiscal 2024 included in the Quarterly Report on Form 10-Q for the fiscal quarter ended January 31, 2024. These changes had no impact on Hewlett Packard Enterpriseâ€™s previously reported consolidated net revenue, net earnings, net earnings per share (â€EPSâ€) or total assets.78Table of ContentsHEWLETT PACKARD ENTERPRISE COMPANY AND SUBSIDIARIESNotes to Consolidated Financial Statements (Continued)Russia/Ukraine ConflictIn response to the conflict between Russia and Ukraine and the related sanctions imposed by the U.S., European Union and other countries, the Company determined that it was no longer tenable to maintain its operations in Russia and Belarus and has been proceeding with an orderly, managed exit of its remaining business in these countries. During fiscal 2022, the Company recorded total pre-tax charges of \$161Â million primarily related to expected credit losses of financing and trade receivables, employee severance and abandoned assets, \$99Â million of which was included in Financing cost, \$12Â million in Cost of services and \$50Â million in Disaster charges in the Consolidated Statements of Earnings.Use of Estimates The preparation of financial statements requires management to make estimates, judgments and assumptions that affect the amounts reported in the Consolidated Financial Statements and accompanying notes. Estimates are assessed each period and updated to reflect current information, including those related to revenue recognition, stock-based compensation, net periodic benefit costs, restructuring accruals, provision for taxes, valuation allowance for deferred taxes, provision for expected credit losses, inventory reserves, and impairment assessments of goodwill, intangible assets and other long-lived assets. The Company believes that these estimates, judgments and assumptions are reasonable under the circumstances, and are subject to significant uncertainties, some of which are beyond the Company's control. Should any of these estimates change, it could adversely affect the Company's results of operations. Actual results could differ materially from these estimates under different assumptions or conditions. Foreign Currency TranslationThe Company predominately uses the U.S. dollar as its functional currency. Assets and liabilities denominated in non-U.S. currencies are remeasured into U.S. dollars at current exchange rates for monetary assets and liabilities and at historical exchange rates for non-monetary assets and liabilities. Net revenue, costs and expenses denominated in non-U.S. currencies are recorded in U.S. dollars at the average rates of exchange prevailing during the period. The Company includes gains or losses from foreign currency remeasurement in Interest and other, net in the Consolidated Statements of Earnings and gains and losses from cash flow hedges in Net revenue as the hedged revenue is recognized. Certain non-U.S. subsidiaries designate the local currency as their functional currency, and the Company records the translation of their assets and liabilities into U.S. dollars at the balance sheet date as translation adjustments and includes them as a component of Accumulated other comprehensive loss in the Consolidated Balance Sheets. Revenue RecognitionThe Company accounts for a contract with a customer when both parties have provided written approval and are committed to perform, each party's rights including payment terms are identified, the contract has commercial substance, and collection of consideration is probable. The Company enters into contracts with customers that typically include combinations of products and services, resulting in arrangements containing multiple performance obligations for hardware and software products and/or various services. The Company determines whether each product or service is distinct in order to identify the performance obligations in the contract and allocate the contract transaction price among the distinct performance obligations. Arrangements are distinct based on whether the customer can benefit from the product or service on its own or together with other resources that are readily available and whether the commitment to transfer the product or service to the customer is separately identifiable from other obligations in the contract. The Company classifies its hardware, perpetual software licenses, service arrangements and software-as-a-service (â€SaaSâ€) as distinct performance obligations. Term software licenses represent multiple obligations, which include software licenses and software maintenance. In transactions where the Company delivers hardware or software, it is typically the principal and records revenue and costs of goods sold on a gross basis.The majority of the Company's revenue is derived from sales of products and services and the associated support and maintenance, and such revenue is recognized when, or as, control of promised products or services is transferred to the customer, in an amount that reflects the consideration to which the Company expects to be entitled, in exchange for those products or services. Variable consideration offered in contracts with customers, partners and distributors may include rebates, volume-based discounts, price protection, and other incentive programs. Variable consideration is estimatedÂ at contract inception and updated at the end of each reporting period as additional information becomes available and recognized only to the extent that it is probable that a significant reversal of revenue will not occur.79Table of ContentsHEWLETT PACKARD ENTERPRISE COMPANY AND SUBSIDIARIESNotes to Consolidated Financial Statements (Continued)Transfer of control occurs once the customer has the contractual right to use the product, generally upon delivery once title and risk of loss has transferred to the customer. Transfer of control can also occur over time for maintenance and services as the customer receives the benefit over the contract term. The Company's hardware and perpetual software licenses are distinct performance obligations where revenue is recognized upfront upon transfer of control. Term software licenses include multiple performance obligations where the term licenses are recognized upfront upon transfer of control, with the associated software maintenance revenue recognized ratably over the contract term as services and software updates are provided. SaaS arrangements have one distinct performance obligation which is satisfied over time with revenue recognized ratably over the contract term as the customer consumes the services. On its product sales, the Company records consideration from shipping and handling on a gross basis within net product sales. Revenue is recorded net of any associated sales taxes.The Company allocates the transaction price for the contract among the performance obligations on a relative standalone selling price basis (â€SSPâ€). For products and services sold as a bundle, the SSP is generally not directly observable and requires the Company to estimate SSP based on management judgment by considering available data such as internal margin objectives, pricing strategies, market/competitive conditions, historical profitability data, as well as other observable inputs. For certain products and services, the Company establishes SSP based on the observable price when sold separately in similar circumstances to similar customers. The Company establishes SSP ranges for its products and services and reassesses them periodically.Judgment is applied in determining the transaction price as the Company may be required to estimate variable consideration when determining the amount of revenue to recognize. Variable consideration may include various rebates, volume-based discounts, price protection, and other incentive programs that are offered to customers, partners and distributors. When determining the amount of revenue to recognize, the Company estimates the expected usage of these programs, applying the expected value or most likely estimate and updates the estimate at each reporting period as actual utilization becomes available. The Company also considers the customers' right of return in determining the transaction price, where applicable.Contract BalancesAccounts receivable and contract assetsA receivable is a right to consideration in exchange for products or services the Company has transferred to a customer that is unconditional. A contract asset is a right to consideration in exchange for products or services transferred to a customer that is conditional on something other than the passage of time. A receivable is recorded when the right to consideration becomes unconditional. The Company's contract assets include unbilled receivables which are recorded when the Company recognizes revenue in advance of billings. Unbilled receivables generally relate to services contracts where a service has been performed and control has transferred, but invoicing to the customer is subject to future milestone billings or other contractual payment schedules. The Company classifies unbilled receivables as Accounts receivable.Contract liabilitiesA contract liability is an obligation to transfer products or services to a customer for which the Company has received consideration, or the amount is due, from the customer. The Company's contract liabilities primarily consist of deferred revenue and customer deposits. Deferred revenue is recorded when amounts invoiced to customers are in excess of revenue that can be recognized because performance obligations have not been satisfied and control of the promised products or services has not transferred to the customer. Deferred revenue largely represents amounts invoiced in advance for product (hardware/software) support contracts, consulting projects and product sales where revenue cannot be recognized yet. Customer deposits largely represent payments received from customers in advance of the Companyâ€™s completion of its contractual obligations. As customer acceptance milestones are met, the Company will recognize revenue and reduce the amount of contract liabilities.Costs to obtain a contract with a customerThe Company capitalizes the incremental costs of obtaining a contract with a customer, primarily sales commissions, if the Company expects to recover those costs. The Company has elected, as a practical expedient, to expense the costs of obtaining a contract as incurred for contracts with terms of one year or less. The typical amortization periods used range from two to five years. The Company periodically reviews the capitalized sales commission costs for possible impairment losses. The amortization of capitalized costs to obtain a contract are included in Selling, general and administrative expense. Refer to Note 7, â€Balance Sheet Detailsâ€ for additional information. 80Table of ContentsHEWLETT PACKARD ENTERPRISE COMPANY AND SUBSIDIARIESNotes to Consolidated Financial Statements (Continued)Shipping and HandlingThe Company includes costs related to shipping and handling in Cost of products.Stock-Based Compensation Stock-based compensation expense is based on the measurement date fair value of the award and is recognized only for those awards expected to meet the service and performance vesting conditions. Stock-based compensation expense for stock options and restricted stock units with only a service condition is recognized on a straight-line basis over the requisite service period of the award. For stock options and restricted stock units with both a service condition and a performance or market condition, the expense is recognized on a graded vesting basis over the requisite service period of the award.

Stock-based compensation expense is determined at the aggregate grant level for service-based awards and at the individual vesting tranche level for awards with performance and/or market conditions. The forfeiture rate is estimated based on historical experience.Retirement and Post-Retirement PlansThe Company has various defined benefit, other contributory and noncontributory, retirement and post-retirement plans. The costs and obligations for these plans depend on various assumptions. Major assumptions relate primarily to discount rates, mortality rates, expected increases in compensation levels and the expected long-term return on plan assets. These assumptions vary by plan, and the weighted-average rates used are set forth in Note 4. 4. Retirement and Post-Retirement Benefit Plans. The discount rate assumption is based on current investment yields of high-quality fixed-income securities with maturities similar to the expected benefits payment period. Mortality rates help predict the expected life of plan participants and are based on a historical demographic study of the plan. The expected increase in the compensation levels assumption reflects long-term actual experience and future expectations. The expected long-term return on plan assets is determined based on asset allocations, historical portfolio results, historical asset correlations and management's expected returns for each asset class. In any fiscal year, significant differences may arise between the actual return and the expected long-term return on plan assets. Historically, differences between the actual return and expected long-term return on plan assets have resulted from changes in target or actual asset allocation, short-term performance relative to expected long-term performance, and to a lesser extent, differences between target and actual investment allocations, the timing of benefit payments compared to expectations, and the use of derivatives intended to effect asset allocation changes or hedge certain investment or liability exposures. The following table provides the impact changes in the weighted-average assumptions of discount rates, the expected increase in compensation levels and the expected long-term return on plan assets would have had on the net periodic benefit cost for fiscal 2024:Change in basis pointsChange in Net Periodic Benefit CostIn millionsAssumptions: A Discount rate(25)\$17A Expected increase in compensation levels25\$3A Expected long-term return on plan assets(25)\$25A The Company generally amortizes unrecognized actuarial gains and losses on a straight-line basis over the average remaining estimated service life or, in the case of closed plans, life expectancy of participants. In limited cases, actuarial gains and losses are amortized using the corridor approach. Advertising Costs to produce advertising are expensed as incurred during production. Costs to communicate advertising are expensed when the advertising is first run. Advertising expense totaled approximately \$117 million, \$173 million, and \$179 million in fiscal 2024, 2023, and 2022, respectively.81Table of ContentsHEWLETT PACKARD ENTERPRISE COMPANY AND SUBSIDIARIESNotes to Consolidated Financial Statements (Continued)RestructuringThe Company's transformation programs include charges to approved restructuring plans. Restructuring charges include severance costs to eliminate a specified number of employees, infrastructure charges to vacate facilities and consolidate operations, and contract cancellation costs. These restructuring actions require management to estimate the timing and amount of severance and other employee separation costs for workforce reduction and enhanced early retirement programs, the fair value of assets made redundant or obsolete, and the value of lease and contract cancellation and other exit costs. The Company records restructuring charges based on estimated employee terminations and site closure and consolidation plans. The Company accrues for severance and other employee separation costs under these actions when it is probable that benefits will be paid and the amount is reasonably estimable. The rates used in determining severance accruals are based on existing plans, historical experiences and negotiated settlements. For a full description of the Company's restructuring actions, refer to the discussions in Note 3. 3. Transformation Programs. Taxes on EarningsThe Company recognizes deferred tax assets and liabilities for the expected tax consequences of temporary differences between the tax bases of assets and liabilities and their reported amounts using enacted tax rates in effect for the year the differences are expected to reverse. The Company records a valuation allowance to reduce deferred tax assets to the amount that is more likely than not to be realized. In determining the need for a valuation allowance, the Company considers future market growth, forecasted earnings, future sources of taxable income, the mix of earnings in the jurisdictions in which the Company operates, and prudent and feasible tax planning strategies. In the event the Company were to determine that it is more likely than not that the Company will be unable to realize all or part of its deferred tax assets in the future, the Company would increase the valuation allowance and recognize a corresponding charge to earnings in the period in which such a determination was made. Likewise, if the Company later determines that the deferred tax assets are more likely than not to be realized, the Company would reverse the applicable portion of the previously recognized valuation allowance. In order for the Company to realize deferred tax assets, the Company must be able to generate sufficient taxable income, of the appropriate character, in the jurisdictions in which the deferred tax assets are located, prior to their expiration under applicable tax laws. The Company records accruals for uncertain tax positions when the Company believes that it is not more likely than not that the tax position will be sustained on examination by the taxing authorities based on the technical merits of the position. The provision for income taxes includes the effects of adjustments for uncertain tax positions as well as any related interest and penalties. The Company recognizes interest income from favorable settlements and interest expense and penalties accrued on unrecognized tax benefits in Provision for taxes in the Consolidated Statements of Earnings. The Company is subject to the Global Intangible Low Taxed Income (a GILTI tax) in the U.S. The Company elected to treat taxes on future GILTI inclusions in U.S. taxable income as a current period expense when incurred.Allowance for Doubtful AccountsAccounts ReceivableThe allowance for expected credit losses related to accounts receivable is comprised of a general reserve and a specific reserve. The Company may record a specific reserve for individual accounts when the Company becomes aware of specific customer circumstances, such as in the case of a bankruptcy filing or deterioration in the customer's operating results or financial position. If there are additional changes in circumstances related to the specific customer, the Company further adjusts estimates of the recoverability of receivables. The Company maintains an allowance for credit losses for all other customers based on a variety of factors, including the financial condition of customers and the length of time receivables are past due. These qualitative factors are subjective and require a degree of management judgment. The past due or delinquency status of a receivable is based on the contractual payment terms of the receivable. The Company establishes an allowance for expected credit losses related to accounts receivable, including unbilled receivables.82Table of ContentsHEWLETT PACKARD ENTERPRISE COMPANY AND SUBSIDIARIESNotes to Consolidated Financial Statements (Continued)Financing ReceivableThe allowance for expected credit losses related to financing receivables is comprised of a general reserve and a specific reserve. The Company establishes a specific reserve for financing receivables with identified exposures, such as customer defaults, bankruptcy or other events, that make it unlikely the Company will recover its investment. For individually evaluated receivables, the Company determines the expected cash flow for the receivable, which includes consideration of estimated proceeds from disposition of the collateral and calculates an estimate of the potential loss and the probability of loss. For those accounts where a loss is considered probable, the Company records a specific reserve. The Company maintains a general reserve using a credit loss model on a regional basis and bases such percentages on several factors, including consideration of historical credit losses and portfolio delinquencies, trends in the overall weighted-average risk rating of the portfolio, current economic conditions, and forward-looking information, including reasonable and supportable forecasts. The Company excludes accounts evaluated as part of the specific reserve from the general reserve analysis. The Company generally writes off a receivable or records a specific reserve when a receivable becomes 180 days past due, or sooner if the Company determines that the receivable is not collectible.Non-Accrual and Past-Due Financing ReceivablesThe Company considers a financing receivable to be past due when the minimum payment is not received by the contractually specified due date. The Company generally places financing receivables on non-accrual status, which is the suspension of interest accrual, and considers such receivables to be non-performing at the earlier of the time at which full payment of principal and interest becomes doubtful or the receivable becomes 90 days past due. Subsequently, the Company may recognize revenue on non-accrual financing receivables as payments are received, which is on a cash basis, if the Company deems the recorded financing receivable to be fully collectible; however, if there is doubt regarding the ultimate collectability of the recorded financing receivable, all cash receipts are applied to the carrying amount of the financing receivable, which is the cost recovery method. In certain circumstances, such as when the Company deems a delinquency to be of an administrative nature, financing receivables may accrue interest after becoming 90 days past due. The non-accrual status of a financing receivable may not impact a customer's risk rating. After all of a customer's delinquent principal and interest balances are settled, the Company may return the related financing receivable to accrual status.Concentrations of RiskFinancial instruments that potentially subject the Company to significant concentrations of credit risk consist principally of cash, cash equivalents and restricted cash, investments, receivables from trade customers and contract manufacturers, financing receivables and derivatives. The Company maintains cash, cash equivalents and restricted cash, investments, derivatives, and certain other financial instruments with various financial institutions. These financial institutions are located in many different geographic regions, and the Company's policy is designed to limit exposure from any particular institution. As part of its risk management processes, the Company performs periodic evaluations of the relative credit standing of these financial institutions. The Company has not sustained material credit losses from instruments held at these financial institutions. The Company utilizes derivative contracts to protect against the effects of foreign currency and interest rate exposures. Such contracts involve the risk of non-performance by the counterparty, which could result in a material loss. For more details on the collateral program, see Note 13. 13. Financial Instruments. Credit risk with respect to accounts receivable from trade customers and financing receivables is generally diversified due to the large number of entities comprising the Company's customer base and their dispersion across many different industries and geographic regions. The Company performs ongoing credit evaluations of the financial condition of its customers and may require collateral, such as letters of credit and bank guarantees, in certain circumstances. As of October 31, 2024 and 2023 no single customer accounted for more than 10% of the Company's receivable from trade customers and financing receivables.Restricted CashRestricted cash is included within Other current assets in the accompanying Consolidated Balance Sheets and is primarily related to cash received under the Company's collateral securities agreements for its derivative instruments and cash restricted under the fixed-term securitization program for the issuance of asset-backed debt securities.InventoryThe Company values inventory at the lower of cost or net realizable value. Cost is computed using standard cost which approximates actual cost on a first-in, first-out basis. At each reporting period, the Company assesses the value of its inventory.83Table of ContentsHEWLETT PACKARD ENTERPRISE COMPANY AND SUBSIDIARIESNotes to Consolidated Financial Statements (Continued)and writes down the cost of inventory to its net realizable value if required, for estimated excess or obsolescence. Factors influencing these adjustments include changes in future demand forecasts, market conditions, technological changes, product life-cycle and development plans, component cost trends, product pricing, physical deterioration, and quality issues. If in any period the Company anticipates a change in those factors to be less favorable than its previous estimates, additional inventory write-downs may be required and could materially impact gross margin. The write down for excess or obsolescence is charged to the provision of inventory, which is a component of Cost of Products and Cost of Services in the Consolidated Statements of Earnings. At the point of the loss recognition, a new, lower cost basis for that inventory is established, and subsequent changes in facts and circumstances do not result in the restoration or increase in that newly established cost basis.Property, Plant and Equipment, netThe Company states property, plant and equipment at cost less accumulated depreciation. The Company capitalizes additions and improvements and expenses maintenance and repairs as incurred. Depreciation expense is recognized on a straight-line basis over the estimated useful lives of the assets. Estimated useful lives are five to 40 years for buildings and improvements and three to 15 years for machinery and equipment. The Company depreciates leasehold improvements over the life of the lease or the asset, whichever is shorter. The Company depreciates equipment held for lease over the initial term of the lease to the equipment's estimated residual value. The estimated useful lives of assets used solely to support a customer services contract generally do not exceed the term of the customer contract. On retirement or disposition, the asset cost and related accumulated depreciation are removed from the Consolidated Balance Sheets with any gain or loss recognized in the Consolidated Statements of Earnings. The Company capitalizes certain internal and external costs incurred to acquire or create internal use software, principally related to software coding, designing system interfaces and installation and testing of the software. The Company amortizes capitalized internal use software costs using the straight-line method over the estimated useful lives of the software, generally from three to five years.Lessee AccountingThe Company enters into various leases as a lessee for assets including office buildings, data centers, vehicles, and aviation. The Company determines if an arrangement is a lease at inception. An arrangement contains a lease when the arrangement conveys the right to control the use of an identified asset over the lease term. Upon lease commencement, the Company records a lease liability for the obligation to make lease payments and right-of-use (a ROU asset) for the right to use the underlying asset for the lease term in the Consolidated Balance Sheets. The lease liability is measured at commencement date based on the present value of lease payments not yet paid over the lease term and the Company's incremental borrowing rate. As most of the Company's leases do not provide an implicit rate, the Company uses an incremental borrowing rate which approximates the rate at which the Company would borrow, on a secured basis, in the country where the lease was executed. The ROU asset is based on the lease liability, adjusted for lease prepayments, lease incentives received, and the lessee's initial direct costs. Fixed payments are included in the recognition of ROU assets and liabilities, while non-lease components, such as maintenance or utility charges are expensed as incurred. The Company has agreements with lease and non-lease components that are accounted for separately and not included in its leased assets and corresponding liabilities for the majority of the Company's lease agreements. The Company allocates consideration to the lease and non-lease components using their relative standalone values. The lease term may include options to extend or to terminate the lease that the Company is reasonably certain to exercise. The Company has elected not to record leases with an initial term of twelve months or less on the Consolidated Balance Sheets.For finance leases, the ROU asset is amortized on a straight-line basis over the shorter of the useful life of the asset or the lease term. Interest expense on the lease liability is recorded separately using the interest method. For operating leases, lease expense is generally recognized on a straight-line basis over the lease term. Lessor AccountingThe Company's lease offerings are non-cancelable and the payment schedule primarily consists of fixed payments. Variable payments that are based on an index are included in lease receivables. The Company allocates consideration amongst lease components and non-lease components on a relative standalone selling price basis, when lease arrangements include multiple performance obligations. At the end of the lease term, the Company allows the client to either return the equipment, purchase the equipment or renew the lease based on mutually agreed upon terms. 84Table of ContentsHEWLETT PACKARD ENTERPRISE COMPANY AND SUBSIDIARIESNotes to Consolidated Financial Statements (Continued)The Company retains a residual position in equipment through lease and finance agreements which is equivalent to an estimated market value. The residual amount is established prior to lease inception, based upon estimated equipment values at end of lease using product road map trends, historical analysis, future projections and remarketing experience. The Company's residual amounts are evaluated at least annually to assess the appropriateness of the carrying values. Any anticipated declines in specific future residual values that are considered to be other-than-temporary would be recorded in current earnings. The Company is able to optimize the recovery of residual values by selling equipment in place, extending lease arrangements on a fixed term basis, entering into a monthly usage rental term beyond the initial lease term, and selling lease returned equipment in the secondary market. The contractual lease agreement also identifies return conditions that ensures the leased equipment will be in good operating condition upon return minus any normal wear and tear. During the residual review process, product changes, product updates, as well as market conditions are reviewed and adjustments if other than temporary are made to residual values in accordance with the impact of any such changes. The remarketing sales organization closely manages the sale of equipment lease returns to optimize the recovery of outstanding residual by product. Business CombinationsThe Company includes the results of operations of acquired businesses in the Company's consolidated results prospectively from the date of acquisition. The Company allocates the fair value of purchase consideration to the assets acquired including in-process research and development (a IP&D), liabilities assumed, and non-controlling interests in the acquired entity based on their fair values at the acquisition date. IP&D is initially capitalized at fair value as an intangible asset with an indefinite life and assessed for impairment thereafter. The excess of the fair value of purchase consideration over the fair value of the assets acquired, liabilities assumed and non-controlling interests in the acquired entity is recorded as goodwill. The primary items that generate goodwill include the value of the synergies between the acquired company and the Company and the value of the acquired assembled workforce, neither of which qualifies for recognition as an intangible asset. Acquisition-related expenses and post-acquisition restructuring costs are recognized separately from the business combination and are expensed as incurred.GoodwillThe Company reviews goodwill for impairment annually and whenever events or changes in circumstances indicate the carrying amount of goodwill may not be recoverable. In evaluating goodwill for impairment, the Company has the option to first perform a qualitative test to determine whether further impairment testing is necessary or to perform a qualitative assessment by comparing the fair value of the reporting unit to its carrying amount. Under the qualitative assessment, the Company is not required to calculate the fair value of a reporting unit unless it determines that it is more likely than not that the fair value of a reporting unit is less than its carrying amount. Qualitative factors include, but are not limited to, the macroeconomic and industry environment as well as Company-specific factors. The Company elects to perform a quantitative test for all of its reporting units as part of its annual goodwill impairment assessment in the fourth quarter of each fiscal year. In the quantitative assessment, the Company estimates the fair value of its reporting units using a weighting of fair values derived most significantly from the income approach, and to a lesser extent, the market approach. Under the income approach, the Company estimates the fair value of a reporting unit based on the present

value of estimated future cash flows covering discrete forecast periods as well as terminal value determinations. The Company prepares cash flow projections based on management's estimates of revenue growth rates and operating margins, taking into consideration industry and market conditions. The Company bases the discount rate on the weighted-average cost of capital adjusted for the relevant risk associated with business-specific characteristics and the uncertainty related to the reporting unit's ability to execute on the projected cash flows. Under the market approach, the Company estimates fair value based on market multiples of revenue and earnings derived from comparable publicly traded companies with similar operating and investment characteristics as the reporting unit. The Company weights the fair value derived from the market approach commensurate with the level of comparability of these publicly traded companies to the reporting unit. When market comparables are not meaningful or not available, the Company estimates the fair value of a reporting unit using only the income approach.If the fair value of a reporting unit exceeds the carrying amount of the net assets assigned to that reporting unit, goodwill is not impaired and no further testing is required. If the fair value of the reporting unit is less than its carrying amount, goodwill is impaired. The goodwill impairment loss is measured as the excess of the reporting unit's carrying value over its fair value (not to exceed the total goodwill allocated to that reporting unit).

85Table of Contents**HEWLETT PACKARD ENTERPRISE COMPANY AND SUBSIDIARIES****Notes to Consolidated Financial Statements**

(Continued)**Intangible Assets and Long-Lived Assets**The Company reviews intangible assets with finite lives, long-lived assets and ROU assets for impairment whenever events or changes in circumstances indicate the carrying amount of an asset may not be recoverable. For lease assets such circumstances would include a decision to abandon the use of all or part of an asset, or subleases that do not fully recover the costs of the associated lease. The Company assesses the recoverability of assets based on the estimated undiscounted future cash flows expected to result from the use and eventual disposition of the asset. If the undiscounted future cash flows are less than the carrying amount, the asset is impaired. The Company measures the amount of impairment loss, if any, as the difference between the carrying amount of the asset and its fair value using an income approach or, when available and appropriate, using a market approach. The Company amortizes intangible assets with finite lives using the straight-line method over the estimated economic lives of the assets, ranging from one to ten years. Intangible assets purchased as part of an acquisition are included in Intangible assets, net in the Consolidated Balance Sheets. All other separately purchased intangible assets are included in Long-term financing receivables and other assets in the Consolidated Balance Sheets. Software development costs related to the development of new product offerings are capitalized subsequent to the establishment of technological feasibility, which is demonstrated by the completion of a detail program design or working model. Software development costs are included in Intangible assets, net in the Consolidated Balance Sheets. The Company amortizes capitalized costs on a straight-line basis over the estimated useful life of products, which is generally three years. Equity Method InvestmentsInvestments and ownership interests are accounted for under equity method accounting if the Company has the ability to exercise significant influence, but does not have a controlling financial interest. The Company records its interest in the net earnings of its equity method investees, along with adjustments for unrealized profits or losses on intra-entity transactions and amortization of basis differences, within Earnings from equity interests in the Consolidated Statements of Earnings. Profits or losses related to intra-entity sales with its equity method investees are eliminated until realized by the investor or investee. Basis differences represent differences between the cost of the investment and the underlying equity in net assets of the investment and are generally amortized over the lives of the related assets that gave rise to them. Equity method goodwill is not amortized or tested for impairment; instead the equity method investment is tested for impairment. The Company records its interest in the net earnings of its equity method investments based on the most recently available financial statements of the investees. The carrying amount of the investment in equity interests is adjusted to reflect the Company's interest in net earnings, dividends received and other-than-temporary impairments. The Company reviews for impairment whenever factors indicate that the carrying amount of the investment might not be recoverable. In such a case, the decrease in value is recognized in the period the impairment occurs in the Consolidated Statements of Earnings.

Equity Securities InvestmentsEquity securities investments with readily determinable fair values (other than those accounted for under the equity method or those that result in consolidation of the investee) are measured at fair value and any changes in fair value are recognized in Interest and other, net in the Consolidated Statements of Earnings. For equity investments without readily determinable fair values, the Company may elect to apply the measurement alternative or the fair value option. Under the measurement alternative investments are measured at cost, less impairment, and adjusted for qualifying observable price changes on a prospective basis. The Company reviews for impairment at each reporting period, assessing factors such as deterioration of earnings, adverse change in market/industry conditions, the ability to operate as a going concern, and other factors which indicate that the carrying amount of the investment might not be recoverable. In such a case, the decrease in value is recognized in the period the impairment occurs in the Consolidated Statements of Earnings. The Company elects the fair value option when it believes that it best reflects the underlying economics of the investment. These investments may be valued using third-party pricing services at each reporting date with changes in fair value recorded as a component of Interest and other, net in the Consolidated Statements of Earnings.

Debt Securities InvestmentsDebt securities are generally considered available-for-sale and are reported at fair value with unrealized gains and losses, net of applicable taxes, recorded in Accumulated other comprehensive loss in the Consolidated Balance Sheets. Realized gains and losses for available-for-sale securities are calculated based on the specific identification method and included in Interest and other, net in the Consolidated Statements of Earnings. The Company monitors its investment portfolio for potential impairment on a quarterly basis. When the carrying amount of an investment in debt securities exceeds its fair value and the decline in value is determined to be due to credit-related factors, the Company recognizes the impairment using an allowance for credit loss in **86Table of Contents****HEWLETT PACKARD ENTERPRISE COMPANY AND SUBSIDIARIES****Notes to Consolidated Financial Statements (Continued)****Interest and other, net**, in the Consolidated Statements of Earnings, while the impairment that is not credit related is recorded in Accumulated other comprehensive loss in the Consolidated Balance Sheets.

DerivativesThe Company uses derivative financial instruments, primarily forwards, swaps, and, at times, options, to manage a variety of risks, including risks related to foreign currency and interest rate exposures. The Company does not use derivative financial instruments for speculative purposes. The Company receives fair value to sell an asset or pay to transfer a liability in an orderly transaction between market participants at the measurement date. When prices in active markets are not available for an identical asset or liability, the Company generally uses industry standard valuation models to measure the fair value of derivative positions. Such measurements involve projecting future cash flows and discounting the future amounts to present value using market based observable inputs, including interest rate curves, Company and counterparty credit risk, foreign currency exchange rates, and forward and spot prices. In the absence of such data, the Company will use internal information that is consistent with what market participants would use in a hypothetical transaction that occurs at the measurement date. The determination of fair value often involves significant judgments about assumptions such as determining an appropriate discount rate that factors in both risk and liquidity premiums, identifying the similarities and differences in market transactions, weighting those differences accordingly and then making the appropriate adjustments to make market transactions to reflect the risks specific to the asset or liability being valued.For a further discussion of fair value measurements and derivative instruments, refer to Note A 12, "Fair Value" and Note 13, "Financial Instruments," respectively.

ContingenciesThe Company is involved in various lawsuits, claims, investigations, and proceedings that arise in the ordinary course of business. The Company records a liability for contingencies when it believes it is both probable that a liability has been incurred and the amount of the loss can be reasonably estimated. The Company does not record gain contingencies until realized. See Note A 17, "Litigation, Contingencies, and Commitments," for a full description of the Company's contingencies.

WarrantiesThe Company accrues the estimated cost of product warranties at the time of recognizing revenue. The Company's standard product warranty terms generally include post-sales support and repairs or replacement of a product at no additional charge for a specified period of time. The Company engages in extensive product quality programs and processes, including actively monitoring and evaluating the quality of its component suppliers. The estimated warranty obligation is based on contractual warranty terms, repair costs, product call rates, average cost per call, current period product shipments and ongoing product failure rates, as well as specific product class failure outside of the Company's baseline experience. Warranty terms generally range from one to five years for parts and labor, depending upon the product. For certain networking products, the Company offers a lifetime warranty. Over the last three fiscal years, the annual warranty expense has averaged approximately 1.1% of annual net product revenue. Refer to Note 7, "Balance Sheet Details," for additional information.

Recently Enacted Accounting PronouncementsIn November 2024, the FASB issued guidance to provide disaggregated expense disclosures in the Consolidated Financial Statements. The Company is required to adopt the guidance for its annual period ending October 31, 2028 and all interim periods thereafter, though early adoption is permitted. The Company is currently evaluating the impact of this amendment on its Consolidated Financial Statements.

In December 2023, the FASB issued guidance to provide disaggregated income tax disclosures on the rate reconciliation and income taxes paid. The Company is required to adopt the guidance in the first quarter of fiscal 2026, though early adoption is permitted. The Company is currently evaluating the impact of this amendment on its Consolidated Financial Statements.

In November 2023, the FASB issued guidance to improve the disclosures about a public entity's reportable segments and address requests from investors for additional, more detailed information about a reportable segment's expenses. The Company will adopt this guidance for its annual period ending October 31, 2025 and all interim periods thereafter. The Company does not expect the adoption of this guidance to have a significant impact on its Consolidated Financial Statements.

87Table of Contents**HEWLETT PACKARD ENTERPRISE COMPANY AND SUBSIDIARIES****Notes to Consolidated Financial Statements (Continued)****Note A 2: Segment Information**Hewlett Packard Enterprise's operations are organized into five segments for financial reporting purposes: Server, Hybrid Cloud, Intelligent Edge, Financial Services ("FS"), and Corporate Investments and Other. Hewlett Packard Enterprise's organizational structure is based on a number of factors that the Chief Operating Decision Maker ("CODM"), who is the Chief Executive Officer, uses to evaluate, view and run the Company's business operations, which include, but are not limited to, customer base and homogeneity of products and technology. The five segments are based on this organizational structure and information reviewed by Hewlett Packard Enterprise's management to evaluate segment results. A summary of the types of products and services within each segment is as follows: Server consists of general-purpose servers for multi-workload computing and workload-optimized servers to deliver the best performance and value for demanding applications, and integrated systems comprised of software and hardware designed to address High-Performance Computing and Supercomputing (including exascale applications), Artificial Intelligence ("AI"), Data Analytics, and Transaction Processing workloads for government and commercial customers globally. This portfolio of products includes the secure and versatile HPE ProLiant Rack and Tower servers; HPE Synergy, a composable infrastructure for traditional and cloud-native applications; HPE Scale Up Servers product lines for critical applications, including large enterprise software applications and data analytics platforms; HPE Edgeline servers; HPE Cray EX; HPE Cray XD (formerly known as HPE Apollo); and HPE NonStop. Server offerings also include operational and support services sold with systems and as standalone services.

Hybrid Cloud offers a wide variety of cloud-native and hybrid solutions across storage, private cloud and the infrastructure SaaS space. Storage includes data storage and data management offerings with the HPE Alletra Storage portfolio; unstructured data solutions and analytics for AI; data protection and archiving; and storage networking. It also includes AIOps-driven intelligence with HPE InfoSight and HPE CloudPhysics. In private cloud, the HPE GreenLake offerings include new cloud-native offerings and capabilities for virtual machines, containers, and bare metal; a full suite of private cloud offerings that enable customers to self-manage or choose a fully managed experience; and a portfolio of world-class AI infrastructure delivered as a SaaS. This segment also provides self-service private cloud on-demand with HPE GreenLake for Private Cloud Business Edition. Infrastructure software includes monitoring and observability for day two operations and beyond through the Company's acquisition of OpsRamp and unified data access through HPE Ezmeral Data Fabric and analytics suite, which helps move and transform data for use in AI and other applications. Hybrid Cloud segment also includes data lifecycle management and protection through its suite of offerings, including Zerto Disaster Recovery. Intelligent Edge offers wired and wireless local area networks, campus, branch, and data center switching, software-defined wide-area networks, private and public cellular network software, network security, and associated services that enable secure connectivity for businesses of any size. The HPE Aruba Networking product portfolio includes hardware products such as Wi-Fi access points, switches, and gateways. The HPE Aruba Networking software and services portfolio includes cloud-based management, network management, network access control, software-defined wide-area networking, network security, analytics and assurance, location services software, private and public cellular core software, and professional and support services, as well as SaaS and consumption models through the HPE GreenLake cloud for the Intelligent Edge portfolio of products. Intelligent Edge offerings are consolidated in the edge service platform, which takes a cloud-native approach that provides customers with a unified framework to meet their connectivity, security, and financial needs across campus, branch, data center, and remote worker environments.

Financial Services provides flexible investment solutions, such as leasing, financing, IT consumption, utility programs, and asset management services for customers that facilitate unique technology deployment models and the acquisition of complete IT solutions, including hardware, software, and services from Hewlett Packard Enterprise and others. FS also supports financial solutions for on-premise flexible consumption models, such as the HPE GreenLake cloud.

Corporate Investments and Other includes the Advisory and Professional Services ("APS") business, which primarily offers consultative-led services, HPE and partner technology expertise and advice, implementation services as well as complex solution engagement capabilities; CMS, which primarily offers software and related services to the telecommunications industry; and Hewlett Packard Labs, which is responsible for research and development.

88Table of Contents**HEWLETT PACKARD ENTERPRISE COMPANY AND SUBSIDIARIES****Notes to Consolidated Financial Statements (Continued)****Segment Policy**Hewlett Packard Enterprise derives the results of its business segments directly from its internal management reporting system. The accounting policies that Hewlett Packard Enterprise uses to derive segment results are substantially the same as those the consolidated company uses. The CODM measures the performance of each segment based on several metrics, including earnings from operations. The CODM uses these results, in part, to evaluate the performance of, and to allocate resources to each of the segments.

Segment revenue includes revenues from sales to external customers and intersegment revenues that reflect transactions between the segments on an arm's-length basis. Intersegment revenues primarily consist of sales of hardware and software that are sourced internally and, in the majority of the cases, are financed as operating leases by FS to the Company's customers. Hewlett Packard Enterprise's consolidated net revenue is derived and reported after the elimination of intersegment revenues from such arrangements.

Financing cost in the Consolidated Statements of Earnings reflects interest expense on borrowing and funding-related activity associated with FS and its subsidiaries, and debt issued by Hewlett Packard Enterprise for which a portion of the proceeds benefited FS.

Hewlett Packard Enterprise does not allocate to its segments certain operating expenses, which it manages at the corporate level. These unallocated operating costs include certain corporate costs and eliminations, stock-based compensation expense, amortization of intangible assets, impairment of goodwill, transformation costs, disaster recovery/charges, divestiture related exit costs, and acquisition, disposition and other related charges. Total assets by segment are not presented as that information is not used to allocate resources or assess performance at the segment level and is not reviewed by the CODM.

Segment Operating ResultsA ServerHybrid CloudIntelligent EdgeFinancial ServicesCorporate Investments and OtherTotalA In millionsFiscal 2024A A A Net revenue\$15,931A \$5,172A \$4,501A \$3,509A \$1,014A \$30,127A Intersegment net revenue274A 214A 31A 3A A A \$522A Total segment net revenue\$16,205A \$5,386A \$4,532A \$3,512A \$1,014A \$30,649A Segment earnings (loss) from operations\$1,818A \$245A \$1,115A \$316A \$(25)\$3,469A Fiscal 2023A A A Net revenue\$13,926A \$5,396A \$5,362A \$3,466A \$985A \$29,135A Intersegment net revenue435A 97A 17A 14A A A \$563A Total segment net revenue\$14,361A \$5,493A \$5,379A \$3,480A \$985A \$29,698A Segment earnings (loss) from operations\$1,830A \$232A \$1,343A \$281A \$(77)\$3,609A Fiscal 2022A A A Net revenue\$15,137A \$5,173A \$3,849A \$3,326A \$1,011A \$28,496A Intersegment net revenue335A 60A 8A 13A 1A 417A Total segment net revenue\$15,472A \$5,233A \$3,857A \$3,339A \$1,012A \$28,913A Segment earnings (loss) from operations\$1,958A \$468A \$542A \$387A \$(26)\$3,329A

89Table of Contents**HEWLETT PACKARD ENTERPRISE COMPANY AND SUBSIDIARIES****Notes to Consolidated Financial Statements (Continued)****The reconciliation of segment operating results to Consolidated Statement of Earnings results was as follows:**A For the fiscal years ended October 31, A 202420232022A In millionsNet Revenue:A A Total segments\$30,649A \$29,698A \$28,913A Elimination of intersegment net revenue(522)(563)(417)Total consolidated net revenue\$30,127A \$29,135A \$28,496A Earnings Before Taxes:A A Total segment earnings from operations\$3,469A \$3,609A \$3,329A Unallocated corporate costs and eliminations(301)(464)(303)Stock-based compensation expense(430)(428)(391)Amortization of initial direct costsA A A (4)Amortization of intangible assets(267)(288)(293)Impairment of goodwillA A A (905)Transformation costs(93)(283)(473)Disaster recovery (charges)51A 12A (159)Divestiture related exit costs(35)A A A Acquisition, disposition and other related charges(204)(69)(19)Interest and other, net(117)(104)(121)Gain on sale of equity interest733A A A Earnings from equity interests147A 245A 215A Total earnings before provision for taxes\$2,953A \$2,230A \$876A Major CustomersThe Company had two distributors which represented approximately 14% and 11% of the Company's total net revenue in fiscal 2024, primarily within the Intelligent Edge and Server segments. The Company had one customer, which is a distributor, that represented 11% of the Company's total net revenue in fiscal 2023,

within the Intelligent Edge and Server segments. No single customer represented 10% or more of the Company's total net revenue in fiscal year 2022. Geographic Information Net revenue by country is based upon the sales location that predominately represents the customer location. For each of the fiscal years of 2024, 2023 and 2022, other than the U.S., no country represented more than 10% of the Company's net revenue. Net revenue by geographic region was as follows: For the fiscal years ended October 31, 2024 2023 2022 In millions Americas U.S.\$10,890A \$10,369A \$9,425A Americas excluding U.S.\$2,345A 2,208A 1,964A Total Americas13,235A 12,577A 11,389A Europe, Middle East and Africa10,189A 10,151A 10,292A Asia Pacific and Japan6,703A 6,407A 6,815A Total consolidated net revenues\$30,127A \$29,135A \$28,496A 90Table of ContentsHEWLETT PACKARD ENTERPRISE COMPANY AND SUBSIDIARIESNotes to Consolidated Financial Statements (Continued)Property, plant and equipment, net by country in which the Company's operates was as follows: As of October 31A 2024 2023A In millionsU.S.\$ 2,616A \$2,803A Other countries3,048A 3,186A Total property, plant and equipment, net\$5,664A \$5,989A Note 3: Transformation Programs Transformation programs are comprised of the Cost Optimization and Prioritization Plan and the HPE Next Plan. During the third quarter of fiscal 2020, the Company launched the Cost Optimization and Prioritization Plan which focuses on realigning the workforce to areas of growth, a new hybrid workforce model called Edge-to-Office, real estate strategies and simplifying and evolving the Company's product portfolio strategy. The transformation costs predominantly related to labor restructuring, non-labor restructuring, IT investments, design and execution charges and real estate initiatives. The primary elements of the Cost Optimization and Prioritization Plan were completed by the end of fiscal 2024. During the third quarter of fiscal 2017, the Company launched the HPE Next Plan to put in place a purpose-built company designed to compete and win in the markets where it participates. Through this program, the Company is simplifying the operating model, and streamlining its offerings, business processes and business systems to improve its strategy execution. The primary elements of the HPE Next Plan were completed by the end of fiscal 2024. Cost Optimization and Prioritization Plan The components of the transformation costs relating to the Cost Optimization and Prioritization Plan were as follows: For the fiscal years ended October 31, 2024 2023 2022 In millions Program management\$2A \$9A \$27A IT costs13A 26A 26A Restructuring charges\$2A 226A 201A Total \$47A \$261A \$254A HPE Next Plan The components of transformation costs relating to HPE Next Plan were as follows: For the fiscal years ended October 31, 2024 2023 2022 In millions Program management\$1A \$6A \$7A IT costs47A 91A 184A Restructuring charges1A 16A 13A Gains on real estate sales\$A (85)(8) Impairment on real estate assets\$A A A 11A Other\$A 3A 13A Total \$49A \$25A \$220A Restructuring Plans On May 19, 2020, the Company's Board of Directors approved a restructuring plan in connection with the Cost Optimization and Prioritization Plan which primarily related to labor restructuring and real estate site exits under non-labor restructuring. The changes to the workforce varied by country, based on business needs, local legal requirements and consultations with employee works councils and other employee representatives, as appropriate. 91Table of ContentsHEWLETT PACKARD ENTERPRISE COMPANY AND SUBSIDIARIESNotes to Consolidated Financial Statements (Continued)On October 16, 2017, the Company's Board of Directors approved a restructuring plan in connection with the HPE Next Plan, and on September 20, 2018, the Company's Board of Directors approved a revision to that restructuring plan. Headcount exits under the HPE Next Plan were substantially complete as of October 31, 2020. Other restructuring actions primarily related to infrastructure were substantially complete as of October 31, 2022. Restructuring activities related to the Company's employees and infrastructure under the Cost Optimization and Prioritization Plan and HPE Next Plan are presented in the table below: A Cost Optimization and Prioritization Plan HPE Next Plan Employee Severance Infrastructure and other Employee Severance Infrastructure and other A In millions Liability as of October 31, 2023\$152A \$127A \$6A \$27A Charges30A 2A A A 1A Cash payments(113)(38)(5)(7) Non-cash items(23A) (12A) Liability as of October 31, 2024\$867A \$94A \$A A \$23A Total costs incurred to date as of October 31, 2024\$823A \$563A \$1,267A Total expected costs to be incurred as of October 31, 2024\$823A \$563A \$1,267A \$271A The current restructuring liability related to the transformation programs, reported in the Consolidated Balance Sheets as of October 31, 2024 and 2023, was \$61 million and \$180 million, respectively, in Accrued restructuring, and \$17 million and \$22 million, respectively, in Other accrued liabilities. The non-current restructuring liability related to the transformation programs, reported in Other non-current liabilities in the Consolidated Balance Sheets as of October 31, 2024 and 2023 was \$106 million and \$110 million, respectively. Note 4: Retirement and Post-Retirement Benefit Plans Defined Benefit Plans The Company sponsors defined benefit pension plans worldwide, the most significant of which are the United Kingdom (UK) and Germany plans. The pension plan in the UK is closed to new entrants, and the plan was frozen October 31, 2024. This plan provides benefits based on final pay and years of service and generally requires contributions from members. The German pension program that is open to new hires consists of cash balance plans that provide employer credits as a percentage of pay, certain employee pay deferrals and employer matching contributions. There also are previously closed German pension programs that include cash balance and final average pay plans. A These previously closed pension programs comprise the majority of the pension obligations in Germany. A Post-Retirement Benefit Plans The Company sponsors retiree health and welfare benefit plans, the most significant of which is in the U.S. Generally, employees hired before August 2008 are eligible for employer credits under the Hewlett Packard Enterprise Retirement Medical Savings Account Plan (RMSAP) upon attaining age 45. Employer credits to the RMSA available after September 2008 are provided in the form of matching credits on employee contributions made to a voluntary employee beneficiary association. Upon retirement, employees may use these employer credits for the reimbursement of certain eligible medical expenses. Defined Contribution Plans The Company offers various defined contribution plans for U.S. and non-U.S. employees. The Company's defined contribution expense was approximately \$206 million in fiscal 2024 and 2023, and \$196 million in fiscal 2022. U.S. employees are automatically enrolled in the Hewlett Packard Enterprise Company 401(k) Plan (HPE 401(k) Plan), when they meet eligibility requirements, unless they decline participation. The HPE 401(k) Plan's quarterly employer matching contributions are 100% of an employee's contributions, up to a maximum of 4% of eligible compensation. 92Table of ContentsHEWLETT PACKARD ENTERPRISE COMPANY AND SUBSIDIARIESNotes to Consolidated Financial Statements (Continued)Pension Benefit Expense The Company's net pension and post-retirement benefit costs that were directly attributable to the eligible employees, retirees and other former employees of Hewlett Packard Enterprise and recognized in the Consolidated Statements of Earnings for fiscal 2024, 2023 and 2022 are presented in the table below: A For the fiscal years ended October 31, 2024 2023 2022 A Defined Benefit Plans Post-Retirement Benefit Plans A In millions Service cost\$49A \$53A \$78A \$1A \$1A \$1A Interest cost(140)8A 386A 154A 9A 8A 4A Expected return on plan assets(1)(550)(539)(450)(4)(2)(2) Amortization and Deferrals(1): Actuarial loss (gain)148A 160A 167A 4(6)(2) Prior service benefit(8)(10)(10) A A A A A Net periodic benefit cost (credit) 47A 50A (61) 2A 1A 1A Settlement loss and special termination benefits(1) 14A 6A 5A A A A A Total net benefit cost (credit) \$51A \$56A \$(56) \$2A \$1A \$1A (1) These non-service components were included in Interest and other, net in the Consolidated Statements of Earnings. The weighted-average assumptions used to calculate the net benefit cost (credit) in the table above for fiscal 2024, 2023 and 2022 were as follows: A For the fiscal years ended October 31, 2024 2023 2022 A Defined Benefit Plans Post-Retirement Benefit Plans Discount rate used to determine benefit obligation 4.4A % 3.9A % 1.3A % 6.5A % 6.0A % 3.0A % Discount rate used to determine service cost 4.7A % 4.2A % 1.7A % 6.1A % 5.7A % 6.2A % Discount rate used to determine interest cost 4.4A % 3.9A % 1.1A % 6.4A % 5.9A % 6.2A % Expected increase in compensation levels 2.9A % 3.0A % 2.6A % A A A A A Expected long-term return on plan assets 5.5A % 5.1A % 3.2A % 5.3A % 4.3A % 3.3A % Interest crediting rate (1) 2.4A % 2.4A % 2.5A % 3.4A % 2.7A % (1) The average assumed interest credited for HPE's cash balance plans and post-retirement plans, as applicable. To estimate the service and interest cost components of net periodic benefit cost for defined benefit plans that use the yield curve approach, which represent substantially all of the Company's defined benefit plans, the Company has elected to use a full yield curve approach in the estimation of these components of benefit cost by applying the specific spot rates along the yield curve used in the determination of the benefit obligation to the relevant projected cash flows. 93Table of ContentsHEWLETT PACKARD ENTERPRISE COMPANY AND SUBSIDIARIESNotes to Consolidated Financial Statements (Continued)Funded Status The funded status of the plans was as follows: A As of October 31, 2024 2023 2022 A Defined Benefit Plans Post-Retirement Benefit Plans Change in fair value of plan assets: A A A Fair value at beginning of year\$9,879A \$9,915A \$68A \$60A Reimbursement of benefit payments(1)(90)(82) A A A Actual return on plan assets1,207A (315) 5A 4A Employer contributions172A 179A 4A 6A Participant contributions26A 24A 6A 7A Benefits paid(509)(449)(7)(9) Settlement(18)(29) A A A Currency impact340A 636A A A A Fair value at end of year\$11,007A \$9,879A \$76A \$68A Change in benefit obligation: Projected benefit obligation at beginning of year\$9,362A \$9,517A \$148A \$138A Addition/deletion of plans(2) A A A A A Service cost49A 53A 1A 1A Interest cost408A 386A 9A 8A Participant contributions26A 24A 6A 7A Actuarial loss (gain)613A (756) 7A 3A Benefits paid(509)(449)(7)(9) Plan amendments4A A A A A Settlement(18)(29) A A A A Special termination benefits2A A A A A Currency impact319A 613A (2) A A A Projected benefit obligation at end of year\$310,256A \$9,362A \$162A \$148A Funded status at end of year\$751A \$517A \$(86) \$(80) Accumulated benefit obligation\$10,130A \$9,233A \$A A A A (1) For benefit payments reimbursed to HPE from the German Contractual Trust Arrangements. (2) Includes the addition/deletion of plans resulting from acquisitions. (3) HPE divested \$13A million in projected benefit obligation and \$7A million in assets due to the Communications Technology Group (CTG) divestiture that occurred on December 1, 2024. For the year ended October 31, 2024, the benefit obligation increased from \$9.4A billion to \$10.3A billion primarily due to the effects of decreasing discount rates. The increase was partially offset by benefits paid which reduced benefit obligations. Pension assets increased from \$9.9A billion to \$11.0A billion as assets performed better than expected. The increase was partially offset by benefits paid from plan assets. 94Table of ContentsHEWLETT PACKARD ENTERPRISE COMPANY AND SUBSIDIARIESNotes to Consolidated Financial Statements (Continued)The weighted-average assumptions used to calculate the projected benefit obligations were as follows: A As of October 31, 2024 2023 2022 A Defined Benefit Plans Post-Retirement Benefit Plans Discount rate 3.8A % 4.4A % 5.6A % Expected increase in compensation levels 2.6A % 2.9A % A A A A A Interest crediting rate 2.5A % 2.4A % 4.8A % 5.3A % The net amounts recognized for defined benefit and post-retirement benefit plans in the Company's Consolidated Balance Sheets were as follows: A As of October 31, 2024 2023 2022 A Defined Benefit Plans Post-Retirement Benefit Plans A In millions Non-current assets\$1,555A \$1,313A \$A A A Current liabilities(52)(51)(6)(8) Non-current liabilities(752)(745)(80)(72) Funded status at end of year\$751A \$517A \$(86) \$(80) The following table summarizes the pre-tax net actuarial loss and prior service benefit recognized in accumulated other comprehensive loss for the defined benefit plans, activity for the post-retirement benefit plans were immaterial: A As of October 31, 2024 A Defined Benefit Plans A In millions Net actuarial loss\$2,478A Prior service benefit14A Total recognized in accumulated other comprehensive loss\$2,492A Defined benefit plans with projected benefit obligations exceeding the fair value of plan assets were as follows: A As of October 31, 2024 2023 A In millions Aggregate fair value of plan assets\$506A \$1,969A Aggregate projected benefit obligations1,212A 2,765A Defined benefit plans with accumulated benefit obligations exceeding the fair value of plan assets were as follows: A As of October 31, 2024 2023 A In millions Aggregate fair value of plan assets\$2,274A \$1,969A Aggregate accumulated benefit obligations\$3,076A \$2,675A Fair Value of Plan Assets The Company pays the U.S. defined benefit plan obligations when they come due since these plans are unfunded. The table below sets forth the fair value of non-U.S. defined benefit plan assets by asset category within the fair value hierarchy as of October 31, 2024 and 2023. 95Table of ContentsHEWLETT PACKARD ENTERPRISE COMPANY AND SUBSIDIARIESNotes to Consolidated Financial Statements (Continued) A As of October 31, 2024 A Assets of October 31, 2023 A Level 1 A Level 2 A Level 3 A Total A Level 1 A Level 2 A Level 3 A Total A In millions Asset Category:

investments for the non-U.S. defined benefit plans were as follows: A For the fiscal year ended October 31, 2024A Alternative InvestmentsA A A Debt-OtherPrivateEquityHybridsRealEstateFundsInsuranceGroupAnnuitiesTotalA In millionsBalance at beginning of year\$799A \$41A \$177A \$237A \$20A \$1,274A Actual return on plan assets:Relating to assets held at the reporting date27A (3)6A (14)1A 17A Relating to assets sold during the periodA A 4A A (1)A A 3A Purchases, sales, and settlements(81)234A 14A 42A A 209A Balance at end of year\$745A \$276A \$197A \$264A \$21A \$1,503A 97Table of ContentsHEWLETT PACKARD ENTERPRISE COMPANY AND SUBSIDIARIESNotes to Consolidated Financial Statements (Continued)A For the fiscal year ended October 31, 2023A Alternative InvestmentsA A A A Debt-OtherPrivateEquityHybridsRealEstateFundsInsuranceGroupAnnuitiesOtherTotalA In millionsBalance at beginning of year\$932A \$46A \$182A \$164A \$21A \$1A \$1,346A Actual return on plan assets:Relating to assets held at the reporting date72A (8)2A (6)(1)A A 59A Relating to assets sold during the periodA A 3A A A A A A A 3A Purchases, sales, and settlements(205)A A (7)79A A (1)(13)A Balance at end of year\$799A \$41A \$177A \$237A \$20A A A \$1,274A The following is a description of the valuation methodologies used to measure plan assets at fair value. Investments in publicly traded equity securities are valued using the closing price on the measurement date as reported on the stock exchange on which the individual securities are traded. For corporate, government backed debt securities, and some other investments, fair value is based on observable inputs of comparable market transactions. The valuation of certain real estate funds, insurance group annuity contracts and alternative investments, such as limited partnerships and joint ventures, may require significant management judgment and involves a level of uncertainty. The valuation is generally based on fair value as reported by the asset manager and adjusted for cash flows, if necessary. In making such an assessment, a variety of factors are reviewed by management, including, but are not limited to, the timeliness of fair value as reported by the asset manager and changes in general economic and market conditions subsequent to the last fair value reported by the asset manager. The use of different techniques or assumptions to estimate fair value could result in a different fair value measurement at the reporting date. Cash and cash equivalents includes money market funds, which are valued based on cost, which approximates fair value. Other than those assets that have quoted prices from an active market, investments are generally classified in Level 2 or Level 3 of the fair value hierarchy based on the lowest level input that is significant to the fair value measure in its entirety. Investments measured using net asset value as a practical expedient are not categorized within the fair value hierarchy.Plan Asset Allocations The weighted-average target and actual asset allocations across the benefit plans at the respective measurement dates for the non-U.S. defined benefit plans were as follows: A Defined Benefit PlansA Plan Assets2024 Target Allocation20242023Public equity securities21.4A %21.8A %Private/hybrid equity securities10.5A %9.5A %Real estate and other(1)6.7A %6.3A %Equity-related investments(1)41.7A %38.6A %37.6A %Debt securities57.3A %58.2A %59.2A %Cash and cash equivalents1.0A %3.2A %3.2A %Total100.0A %100.0A %100.0A % (1) A A A Included in Real estate and other investments are synthetic equity swaps with equity exposure of \$396A million, which is held in the UK plans as of OctoberA 31, 2024.For the Company's post-retirement benefit plans, approximately 80% of the plan assets are invested in cash and cash equivalents and approximately 20% in multi-asset credit investments which consists primarily of investment grade credit, emerging market debt and high yield bonds.98Table of ContentsHEWLETT PACKARD ENTERPRISE COMPANY AND SUBSIDIARIESNotes to Consolidated Financial Statements (Continued)Investment PolicyThe Company's investment strategy is to seek a competitive rate of return relative to an appropriate level of risk depending on the funded status of each plan and the timing of expected benefit payments. The majority of the plansA investment managers employ active investment management strategies with the goal of outperforming the broad markets in which they invest. Risk management practices include diversification across asset classes and investment styles and periodic rebalancing toward asset allocation targets. A number of the plansA investment managers are authorized to utilize derivatives for investment or liability exposures, and the Company may utilize derivatives to effect asset allocation changes or to hedge certain investment or liability exposures.Asset allocation decisions are typically made by an independent board of trustees for the specific plan. Investment objectives are designed to generate returns that will enable the plan to meet its future obligations. In some countries, local regulations may restrict asset allocations, typically leading to a higher percentage of investment in fixed income securities than would otherwise be deployed. The Company reviews the investment strategy and provides a recommended list of investment managers for each country plan, with final decisions on asset allocation and investment managers made by the board of trustees or investment committees for the specific plan.Basis for Expected Long-Term Rate of Return on Plan AssetsThe expected long-term rate of return on plan assets reflects the expected returns for each major asset class in which the plan invests and the weight of each asset class in the target mix. Expected asset returns reflect the current yield on government bonds, risk premiums for each asset class and expected real returns, which considers each countryA specific inflation outlook. Because the CompanyA investment policy is to employ primarily active investment managers who seek to outperform the broader market, the expected returns are adjusted to reflect the expected additional returns, net of fees.Employer Contributions and Funding PolicyDuring fiscal 2024, the Company contributed approximatelyA \$172 million to its non-U.S. pension plansA and paidA \$4 millionA to cover benefit claims under the CompanyA s post-retirement benefit plans.During fiscal 2025, the Company expects to contribute approximately \$189 million to its non-U.S. pension plans and an additional \$1 million to cover benefit payments to U.S. non-qualified plan participants. In addition, the Company expects to pay approximately \$6 million to cover benefit claims for its post-retirement benefit plans. The Company's policy is to fund its pension plans so that it makes at least the minimum contribution required by various authorities including local government and taxing authorities.Estimated Future Benefits PaymentsAs of OctoberA 31, 2024, estimated future benefits payments for the Company's retirement plans were as follows:Fiscal yearDefined Benefit PlansPost-RetirementBenefit PlansA In millions2025\$609A \$10A 2026\$54A \$1A 2027\$68A \$1A 2028\$92A \$1A 2029\$60A \$1A Next five fiscal years to October 31, 2034\$3,114A \$72A NoteA 5: Stock-Based CompensationOn April 14, 2021 (the A Approval DateA), shareholders of the Company approved the Hewlett Packard Enterprise Company 2021 Stock Incentive Plan (the A 2021 PlanA) that replaced the CompanyA s 2015 Stock Incentive Plan (the A 2015 PlanA). The 2021 Plan provides for the grant of various types of awards including restricted stock awards, stock options and performance-based awards. These awards generally vest over 3 years from the grant date. The maximum number of shares as of the Approval Date that may be delivered to the participants under the 2021 Plan shall not exceed 7A million shares, plus 35.8A million shares that were available for grant under the 2015 Plan and any awards granted under the 2015 Plan prior to the 99Table of ContentsHEWLETT PACKARD ENTERPRISE COMPANY AND SUBSIDIARIESNotes to Consolidated Financial Statements (Continued)Approval Date that were cash-settled, forfeited, terminated, or lapsed after the Approval Date. On April 5, 2022, April 5, 2023 and April 10, 2024, shareholders of the Company approved amendments to the 2021 Plan thereby increasing the overall number of shares available for issuance by 15A million shares, 18A million shares, and 22A million shares, respectively. As of OctoberA 31, 2024, the Company had remaining authorization of 38.5A million shares under the 2021 Plan. Stock-Based Compensation ExpenseStock-based compensation expense and the resulting tax benefits were as follows:A For the fiscal years ended OctoberA 31, 202420232022In millionsStock-based compensation expense\$430A \$428A \$391A Income tax benefit(96)(92)(75)Stock-based compensation expense, net of tax\$334A \$336A \$316A Stock-based compensation expense as presented in the table above is recorded within the following cost and expense lines in the Consolidated Statements of Earnings.For the fiscal years ended OctoberA 31, 202420232022In millionsCost of sales\$49A \$47A \$46A Research and development158A 161A 143A Selling, general and administrative223A 220A 202A Stock-based compensation expense \$430A \$428A \$391A Employee Stock Purchase PlanEffective NovemberA 1, 2015, the Company adopted the Hewlett Packard Enterprise Company 2015 Employee Stock Purchase Plan (A ESPPA). The total number of shares of Company's common stock authorized under the ESPP wasA 80 million.A The ESPP allows eligible employees to contribute up to 10% of their eligible compensation to purchase Hewlett Packard Enterprise's common stock. The ESPP provides for a discount not to exceed 15% and an offering period up to 24 months. The Company currently offers 6-month offering periods during which employees have the ability to purchase shares at 95% of the closing market price on the purchase date. No stock-based compensation expense was recorded in connection with those purchases, as the criteria of a non-compensatory plan were met.Restricted Stock UnitsRestricted stock units have forfeitable dividend equivalent rights equal to the dividend paid on common stock. Restricted stock units do not have the voting rights of common stock, and the shares underlying restricted stock units are not considered issued and outstanding upon grant. The fair value of the restricted stock units is the closing price of the Company's common stock on the grant date of the award. The Company expenses the fair value of restricted stock units ratably over the period during which the restrictions lapse. 100Table of ContentsHEWLETT PACKARD ENTERPRISE COMPANY AND SUBSIDIARIESNotes to Consolidated Financial Statements (Continued)The following table summarizes restricted stock unit activity for the year ended OctoberA 31, 2024: A SharesWeighted-Average Grant Date Fair Value Per ShareA In thousandsOutstanding at beginning of year54,389A \$15A Granted and replacement awards for acquisitions29,930A 16A Vested(25,245)15A Forfeited/canceled(3,461)16A Outstanding at end of year55,613A \$16A The total grant date fair value of restricted stock awards vested for Company employees in fiscal 2024, 2023, and 2022 was \$348A million, \$319 million and \$262 million, respectively. As of OctoberA 31, 2024, there was \$342 million of unrecognized pre-tax stock-based compensation expense related to unvested restricted stock units, which the Company expects to recognize over the remaining weighted-average vesting period of 1.3 years.Performance Restricted Units The Company issues performance stock units (A PSUsA) that vest on the satisfaction of service and performance conditions. The fair value of the PSUs is the closing price of the Company's common stock on the grant date of the award. The Company also issues performance-adjusted restricted stock units (A PARSUA) that vest only on the satisfaction of service, performance and market conditions. The Company estimates the fair value of PARSUs subject to performance-contingent vesting conditions using the Monte Carlo simulation model. The expenses associated with these performance restricted units were not material for any of the periods presented. Stock OptionsStock options granted under the Plan are generally non-qualified stock options, but the Plan permits some options granted to qualify as incentive stock options under the U.S. Internal Revenue Code. The exercise price of a stock option is equal to the closing price of the Company's common stock on the option grant date. The majority of the stock options issued by the Company contain only service vesting conditions. The Company has also issued performance-contingent stock options that vest only on the satisfaction of both service and market conditions. The Company did not issue stock options in fiscal 2024, 2023, and 2022. The expenses associated with stock options were not material for any of the periods presented. The Company utilizes the Black-Scholes-Merton option pricing formula to estimate the fair value of stock options subject to service-based vesting conditions. The Company estimates the fair value of stock options subject to performance-contingent vesting conditions using a combination of a Monte Carlo simulation model and a lattice model, as these awards contain market conditions. NoteA 6: Taxes on EarningsProvision for TaxesThe domestic and foreign components of Net earnings (loss) from operations before taxes were as follows:A For the fiscal years ended OctoberA 31, 202420232022A In millionsU.S.\$765A \$(1,105)\$(1,138)Non-U.S.\$2,188A 3,335A 2,014A \$2,953A \$2,230A \$876A 101Table of ContentsHEWLETT PACKARD ENTERPRISE COMPANY AND SUBSIDIARIESNotes to Consolidated Financial Statements (Continued)The Provision for taxes on Net earnings from operations were as follows:A For the fiscal years ended OctoberA 31, 202420232022A In millionsU.S. federal taxes:A A Current\$8A A A \$12A Deferred(120)(88)(98)Non-U.S. taxes:CurrentA15A 256A 288A Deferred44A 23A (143)State taxes:Current15A 16A (43)Deferred12A (2)(8)\$374A \$205A \$8A The differences between the U.S. federal statutory income tax rate and the Company's effective tax rate were as follows:A For the fiscal years ended OctoberA 31, 202420232022U.S. federal statutory income tax rate21.0A %21.0A %21.0A %State income taxes, net of federal tax benefit0.4A %0.9A %2.8A %Lower rates in other jurisdictions, net(1.3)(4.4)(0.9)Valuation allowance(1.3)(2.8)(3.1)U.S. permanent differences(4.0)(1.5)(6.0)U.S. R&D credit(1.8)(2.1)(5.1)Uncertain tax positions(0.3)(2.0)(15.6)Goodwill impairmentA A A A %21.5A %Other, netA A 0.1A %2.7A %12.7A %69.2A %0.9A %The jurisdictions with favorable tax rates that had the most significant impact on the Company's effective tax rate in the periods presented include Puerto Rico and Singapore.In fiscal 2024, the Company recorded \$43 million of net income tax charges related to various items discrete to the year. These amounts primarily included \$104 million of income tax charges resulting from the gain on the partial disposition of H3C Technologies Co., Limited (A H3CA), which included \$215 million of U.S. and foreign income tax charges offset by \$111 million of income tax benefit for the release of an uncertain tax benefit related to the prior divestiture, partially offset by \$54 million of income tax benefits related to transformation costs, and acquisition, disposition and other related charges and \$11 million of net excess tax benefits related to stock-based compensation.In fiscal 2023, the Company recorded \$131 million of net income tax benefits related to various items discrete to the year. These amounts primarily included \$104 million of income tax benefits related to transformation costs, and acquisition, disposition and other related charges and \$19 million of net excess tax benefits related to stock-based compensation.In fiscal 2022, the Company recorded \$454 million of net income tax benefits related to various items discrete to the year. These amounts primarily included \$150 million of income tax benefits related to releases of foreign valuation allowances, \$99 million of income tax benefits related to transformation costs, and acquisition, disposition and other related charges, \$43 million of income tax benefits related to the settlement of U.S. tax audit matters, \$42 million of income tax benefits related to the release of U.S. passive foreign tax credit valuation allowances, \$30 million of income tax benefits related to the change in pre-separation tax liabilities, primarily those for which the Company shared joint and several liability with HP Inc. and for which the Company was indemnified by HP Inc., \$27 million of income tax benefits related to the utilization of capital losses which had a full valuation allowance, \$12 million of income tax benefits as a result of the fiscal 2021 U.S. tax return filing primarily 102Table of ContentsHEWLETT PACKARD ENTERPRISE COMPANY AND SUBSIDIARIESNotes to Consolidated Financial Statements (Continued)from the decrease in GILTI, and \$11 million of net income tax benefits related to settlements and ongoing discussions in foreign tax audit matters. As a result of certain employment actions and capital investments the Company has undertaken, income from manufacturing and services in certain countries is subject to reduced tax rates through 2039. The gross foreign income tax benefits attributable to these actions and investments were \$356A million (\$0.27 diluted net EPS) in fiscal 2024, \$857A million (\$0.65 diluted net EPS) in fiscal 2023, and \$832A million (\$0.63 diluted net EPS) in fiscal 2022. Refer to NoteA 16, A Net Earnings Per ShareA for details on shares used to compute diluted net EPS.Uncertain Tax PositionsA reconciliation of unrecognized tax benefits is as follows:A As of OctoberA 31, 202420232022A In millionsBalance at beginning of year\$672A \$674A \$2,131A Increases:For current year's tax positions\$60A 67A 81A For prior years' tax positions116A 20A 41A Decreases:For prior years' tax positions(113)(2)(48)Statute of limitations expiration(4)(4)(12)Settlements with taxing authorities(7)(83)(1,491)Settlements related to joint and several positions indemnified by HP Inc.A A A A A (28)Balance at end of year\$724A \$672A \$674A Up to \$344A million, \$354A million and \$386A million of the Company's unrecognized tax benefits at OctoberA 31, 2024, 2023 and 2022, respectively, would affect its effective tax rate if realized in their respective periods. During the first quarter of fiscal 2022, the Company effectively settled with the U.S. Internal Revenue Service (A IRSA) for fiscal 2016, primarily contributing to the reduction in the Company's unrecognized tax benefits of \$1.5A billion, which was predominantly related to the timing of intercompany royalty revenue recognition which does not affect the CompanyA s effective tax rate.The Company recognizes interest income from favorable settlements and interest expense and penalties accrued on unrecognized tax benefits in Provision for taxes in the Consolidated Statements of Earnings. The Company recognized \$2 million of interest expense and \$25 million and \$55A million of interest income in fiscal 2024, 2023, and 2022, respectively. As of OctoberA 31, 2024 and 2023, the Company had accrued \$58A million and \$56A million, respectively, for interest and penalties in the Consolidated Balance Sheets.The Company is subject to income tax in the U.S. and approximately 80 other countries and is subject to routine corporate income tax audits in many of these jurisdictions.The Company engages in continuous discussion and negotiation with taxing authorities regarding tax matters in various jurisdictions. The Company is no longer subject to U.S. federal tax audits for years prior to 2017. The IRS is conducting audits of the Company's fiscal 2017 through 2022 U.S. federal income tax returns. During fiscal 2023, the IRS issued notices of proposed adjustments (A NOPAsA) for fiscal 2017, 2018, and 2019 relating to HPEA s intercompany transfer pricing. During the first quarter of fiscal 2024, the IRS issued a Revenue Agent Report (A RARa) finalizing their position on the NOPAs for the same issues and same fiscal years. However, HPE disagreed with the IRSA adjustments and believes the positions taken on its tax returns are more likely than not to prevail on technical merits, and has continued with settlement discussions with the IRS. During the third quarter of fiscal 2024, the Company submitted a formal settlement offer to the IRS to facilitate the closing of the audit and recorded increased reserves for unrecognized tax benefits of \$122 million. The impact of the increase in reserves is almost entirely offset with a valuation allowance release, and the net impact to income tax expense for fiscal 2024 was not material. It is reasonably possible that the IRS audit for fiscal 2017 through 2019 may be concluded in the next 12 months, and it is reasonably possible that existing unrecognized tax benefits related to these years may be reduced by an amount up to \$358 million within the next 12 months, the majority of which relates to adjustments to foreign tax credits that carry a full valuation 103Table of ContentsHEWLETT PACKARD ENTERPRISE COMPANY AND SUBSIDIARIESNotes to Consolidated Financial Statements (Continued)allowance or to the timing of intercompany royalty revenue recognition, neither of which affects the CompanyA s effective tax rate.With respect to major state and foreign tax jurisdictions, the Company is no longer subject to tax authority examinations for years prior to 2005. However, it is reasonably possible that certain foreign tax issues may be concluded in the next 12 months, including issues involving resolution of certain intercompany transactions and other matters. The Company believes it is reasonably possible that its existing

unrecognized tax benefits may be reduced by an amount up to \$6.1 million within the next 12 months. The Company believes it has provided adequate reserves for all tax deficiencies or reductions in tax benefits that could result from federal, state and foreign tax audits. The Company regularly assesses the likely outcomes of these audits in order to determine the appropriateness of the Company's tax provision. The Company adjusts its uncertain tax positions to reflect the impact of negotiations, settlements, rulings, advice of legal counsel, and other information and events pertaining to a particular audit. However, income tax audits are inherently unpredictable and there can be no assurance that the Company will accurately predict the outcome of these audits. The amounts ultimately paid on resolution of an audit could be materially different from the amounts previously included in the Provision for taxes and therefore the resolution of one or more of these uncertainties in any particular period could have a material impact on net earnings or cash flows. The Company has not provided for U.S. federal and state income and foreign withholding taxes on \$9.3 billion of undistributed earnings and basis differences from non-U.S. operations as of October 31, 2024 because the Company intends to reinvest such earnings indefinitely outside of the U.S. Determination of the amount of unrecognized deferred tax liability related to these earnings and basis differences is not practicable. The Company will remit non-indefinitely reinvested earnings of its non-U.S. subsidiaries for which deferred U.S. state income and foreign withholding taxes have been provided where excess cash has accumulated and the Company determines that it is advantageous for business operations, tax or cash management reasons. Deferred Income Taxes Deferred income taxes result from temporary differences between the amount of assets and liabilities recognized for financial reporting and tax purposes. 104 Table of Contents HEWLETT PACKARD ENTERPRISE COMPANY AND SUBSIDIARIES Notes to Consolidated Financial Statements (Continued) The significant components of deferred tax assets and deferred tax liabilities were as follows: As of October 31, 2024 2023 A In millions Deferred tax assets: Loss and credit carryforwards (1) \$5,692 \$5,936 Inventory valuation 78 90 A Intercompany prepayments 192 325 A Warranty 45 49 A Employee and retiree benefits 162 184 Restructuring 27 52 A Deferred revenue 799 658 A Intangible assets 251 107 A Capitalized R&D 81 44 A Lease liabilities 253 209 A Other 262 196 A Total deferred tax assets 7,842 7,850 A Valuation allowance (1)(5,204)(5,428) Total deferred tax assets net of valuation allowance 2,638 2,422 A Deferred tax liabilities: Unremitted earnings of foreign subsidiaries (229)(190) ROU assets (236)(192) Fixed assets (150)(102) Total deferred tax liabilities (615)(484) Net deferred tax assets and liabilities 2,023 \$1,938 A (1) Fiscal 2023 amounts have been reclassified to conform to the current period presentation. Deferred tax assets and liabilities included in the Consolidated Balance Sheets are as follows: As of October 31, 2024 2023 In millions Deferred tax assets \$2,396 \$2,264 A Deferred tax liabilities (373)(326) Deferred tax assets net of deferred tax liabilities 2,023 \$1,938 A As of October 31, 2024, the Company had \$269 million, \$2.9 billion and \$20.1 billion of federal, state and foreign net operating loss carryforwards, respectively. Amounts included in state and foreign net operating loss carryforwards will begin to expire in 2025; federal net operating losses can carry forward indefinitely. The Company has provided a valuation allowance of \$145 million and \$3.8 billion for deferred tax assets related to state and foreign net operating losses carryforwards, respectively. As of October 31, 2024, the Company also had \$20 million, \$81 million, and \$91 million of federal, state, and foreign capital loss carryforwards, respectively. Amounts included in federal and state capital loss carryforwards will begin to expire in 2028; foreign capital losses can carry forward indefinitely. The Company has provided a valuation allowance of \$5 million and \$27 million for deferred tax assets related to state and foreign capital loss carryforwards, respectively. 105 Table of Contents HEWLETT PACKARD ENTERPRISE COMPANY AND SUBSIDIARIES Notes to Consolidated Financial Statements (Continued) As of October 31, 2024, the Company had recorded deferred tax assets for various tax credit carryforwards as follows: A Carryforward Valuation Allowance Initial Year of Expiration A In millions U.S. foreign tax credits \$648 \$ (648) 2027 U.S. research and development and other credits 230 \$ 6 A 2029 Tax credits in state and foreign jurisdictions 197 A (177) 2028 Balance at end of year \$1,075 \$ (825) A Total valuation allowances decreased by \$224 million in fiscal 2024, primarily as a result of the utilization of certain non-U.S. loss carryforwards which had full valuation allowances, the impact on fully valued U.S. foreign tax credits as a result of the change in uncertain tax benefits, the recording of valuation allowances on certain non-U.S. tax credits, and the release of certain foreign valuation allowances. Tax Matters Agreement and Other Income Tax Matters In connection with the completed separations and mergers of the former Enterprise Services business with DXC Technology Company (the DXC Co) (the Everett Transaction) and the Software Segment with Micro Focus International plc (the Micro Focus Co) (the Seattle Transaction) and the Seattle Co, the Company entered into a DXC Tax Matters Agreement with DXC and a Micro Focus Tax Matters Agreement with Micro Focus, respectively. See Note 18, A Guarantees and Indemnifications, A for a description of the DXC Tax Matters Agreement and Micro Focus Tax Matters Agreement. Note 7: Balance Sheet Details Cash, Cash Equivalents and Restricted Cash As of October 31, 2024 2023 In millions Cash and cash equivalents \$14,846 \$4,270 A Restricted cash 259 311 A Total \$15,105 \$4,581 A Accounts Receivable, Net A As of October 31, 2024 2023 A In millions Accounts receivable \$3,236 \$3,254 A Unbilled receivable 324 264 A Allowances (10)(37) Totals \$3,550 \$3,481 A The allowance for doubtful accounts related to accounts receivable and changes therein were as follows: As of October 31, 2024 2023 2022 A In millions Balance at beginning of year \$37 \$25 A Provision for credit losses 41 29 A Adjustments to existing allowances, including write offs (68)(17) 2023 Balance at end of year \$10 \$37 A 106 Table of Contents HEWLETT PACKARD ENTERPRISE COMPANY AND SUBSIDIARIES Notes to Consolidated Financial Statements (Continued) The Company has third-party revolving short-term financing arrangements intended to facilitate the working capital requirements of certain customers. The Company recorded an obligation of \$62 million, \$80 million and \$88 million in Notes payable and short-term borrowings in its Consolidated Balance Sheets as of October 31, 2024, 2023 and 2022, respectively, related to the trade receivables sold and collected from the third-party for which the revenue recognition was deferred. For arrangements involving an element of recourse, the fair value of the recourse obligation is measured using market data from similar transactions and reported as a current liability in Other accrued liabilities in the Consolidated Balance Sheets. The activity related to Hewlett Packard Enterprise's revolving short-term financing arrangements was as follows: As of October 31, 2024 2023 2022 A In millions Balance at beginning of period (1) \$83 \$163 A \$336 A Trade receivables sold 3,098 4,097 4,130 A Cash receipts (3,190)(4,185)(4,292) Foreign currency and other 9 8 A (11) Balance at end of period (1) \$8 \$336 A (1) Beginning and ending balances represent amounts for trade receivables sold but not yet collected. Inventory As of October 31, 2024 2023 In millions Purchased parts and fabricated assemblies \$5,441 \$2,940 A Finished goods 2,369 1,667 A Totals \$7,810 \$4,607 A Property, Plant and Equipment, net A As of October 31, 2024 2023 A In millions Land and 666 A Buildings and leasehold improvements 1,696 1,521 A Machinery and equipment, including equipment held for lease 10,392 10,382 A Gross property, plant and equipment 12,154 11,969 A Accumulated depreciation (6,490)(5,980) Property, plant and equipment, net (1) \$5,664 \$5,989 A (1) This balance includes \$593 million and \$606 million of internal use software, net as of October 31, 2024 and 2023, respectively. Depreciation expense was \$2.3 billion in fiscal 2024 and 2023, respectively, and \$2.2 billion in 2022. 107 Table of Contents HEWLETT PACKARD ENTERPRISE COMPANY AND SUBSIDIARIES Notes to Consolidated Financial Statements (Continued) Long-Term Financing Receivables and Other Assets A As of October 31, 2024 2023 A In millions Financing receivables, net \$5,583 \$5,028 A Deferred tax assets 2,396 2,264 A Prepaid pension 1,555 1,313 A ROU assets 1,408 980 A Other 1,674 1,792 A Totals \$12,616 \$11,377 A Supplier Financing Arrangements The Company enters into supplier financing arrangements with external financial institutions. Under these arrangements, suppliers can choose to settle outstanding payment obligations at a discount. The Company holds no economic interest in suppliers' participation, nor does it provide guarantees or pledge assets under these arrangements. Invoices are settled with the financial institutions based on the original supplier payment terms. These arrangements do not alter the Company's rights and obligations towards suppliers, including scheduled payment terms. Liabilities associated with the funded participation in these arrangements, are presented within Accounts Payable on the Consolidated Balance Sheets, amounted to \$466 million, and \$295 million as of October 31, 2024 and October 31, 2023, respectively. Other Accrued Liabilities A As of October 31, 2024 2023 A In millions Sales and marketing programs \$1,032 \$1,070 A Value-added and property taxes 922 786 A Contract manufacturer liabilities 505 71 A Customer deposits 289 392 A Operating lease liabilities 261 194 A Warranty 150 167 A Collateral payable 90 207 A Other 1,281 1,274 A Total \$4,530 \$4,161 A Other Non-Current Liabilities A As of October 31, 2024 2023 A In millions Deferred revenue \$3,578 \$3,281 A Operating lease liabilities 1,309 966 A Pension, post-retirement, and post-employment 859 841 A Deferred tax liabilities 373 326 A Taxes on earnings 163 233 A Other 623 899 A Total \$6,905 \$6,546 A 108 Table of Contents HEWLETT PACKARD ENTERPRISE COMPANY AND SUBSIDIARIES Notes to Consolidated Financial Statements (Continued) Warranties The Company's aggregate product warranty liabilities and changes therein were as follows: A As of October 31, 2024 2023 2022 A In millions Balance at beginning of year \$318 \$360 A Charges 173 184 A Adjustments related to pre-existing warranties (5)(18) 2022 Settlements made (185)(208) 2023 Balance at end of year (1) \$301 \$318 A \$360 A (1) The Company included the current portion in Other accrued liabilities, and amounts due after one year in Other non-current liabilities in the accompanying Consolidated Balance Sheets. Contract Liabilities and Remaining Performance Obligations Contract liabilities consist of deferred revenue and customer deposits. A summary of contract liabilities were as follows: A As of October 31, 2024 2023 A Location In millions Customer deposits Other accrued liabilities 289 392 A Customer deposits - non-current Other non-current liabilities 7 144 A Total customer deposits 296 536 A Deferred revenue Deferred revenue \$3,904 \$3,658 A Deferred revenue - non-current Other non-current liabilities 3,578 3,281 A Total deferred revenue 7,482 6,939 A In fiscal 2024, approximately \$3.5 billion of revenue was recognized relating to contract liabilities recorded as of October 31, 2023. Revenue allocated to remaining performance obligations represents contract work that has not yet been performed and does not include contracts where the customer is not committed. Remaining performance obligations estimates are subject to change and are affected by several factors, including contract terminations, changes in the scope of contracts, adjustments for revenue that has not materialized and adjustments for currency. As of October 31, 2024, the aggregate amount of deferred revenue, was \$7.5 billion. The Company expects to recognize approximately 50% of this balance over fiscal 2025 with the remainder to be recognized thereafter. The Company receives payments in advance of completion of its contractual obligations, these payments are considered customer deposits. As customer acceptance milestones are met, the Company will recognize revenue and reduce the amount of contract liabilities. As of October 31, 2024, the aggregate amount of customer deposits was \$296 million. The Company expects to recognize \$289 million over fiscal 2025 and the remaining balance thereafter. Costs to obtain a Contract A As of October 31, 2024, the current and non-current portions of the capitalized costs to obtain a contract were \$88 million and \$136 million, respectively. As of October 31, 2023, the current and non-current portions of the capitalized costs to obtain a contract were \$86 million and \$138 million, respectively. The current and non-current portions of the capitalized costs to obtain a contract were included in Other current assets, and Long-term financing receivables and other assets, respectively, in the Consolidated Balance Sheets. In fiscal 2024, 2023, and 2022 the Company amortized \$106 million, \$94 million, and \$83 million, respectively, of the capitalized costs to obtain a contract which are included in Selling, general and administrative expense in the Consolidated Statements of Earnings. 109 Table of Contents HEWLETT PACKARD ENTERPRISE COMPANY AND SUBSIDIARIES Notes to Consolidated Financial Statements (Continued) Note 8: Accounting for Leases as a Lessee Components of lease cost included in the Consolidated Statement of Earnings were as follows: For the fiscal years ended October 31, 2024 2023 2022 In millions Operating lease cost \$259 \$200 A \$197 A Finance lease cost 3 4 5 A Sublease rental income (26)(23)(27) Total lease costs 236 \$181 A \$175 A The ROU assets and lease liabilities for operating and finance leases included in the Consolidated Balance Sheets were as follows: As of October 31, Balance Sheet Classification 2024 2023 In millions Operating Leases ROU Assets Long-term financing receivables and other assets \$1,408 \$980 A Lease Liabilities: Operating lease liabilities \$ current Other accrued liabilities 261 194 A Operating lease liabilities \$ non-current Other non-current liabilities 1,309 966 A Total operating lease liabilities \$1,570 \$1,160 A Finance Leases Finance lease ROU Assets: Property, plant and equipment, net Gross finance lease ROU assets \$26 \$26 A Less: Accumulated depreciation (16)(14) Net finance lease ROU assets \$10 \$12 A Lease Liabilities: Finance lease liabilities \$ current Notes payable and short-term borrowings 6 5 A Finance lease liabilities \$ non-current Long-term debt 32 38 A Total finance lease liabilities \$38 \$43 A Total ROU assets 1,418 \$992 A Total lease liabilities 1,608 \$1,203 A 110 Table of Contents HEWLETT PACKARD ENTERPRISE COMPANY AND SUBSIDIARIES Notes to Consolidated Financial Statements (Continued) The weighted-average remaining lease term and the weighted-average discount rate for the operating and finance leases were as follows: As of October 31, 2024 2023 Operating Leases Finance Leases Operating Leases Finance Leases Weighted-average remaining lease term (in years) 6.75 5.7 26.5 Weighted-average discount rate 4.4 3.5 3.8 3.5 A Supplemental cash flow information related to leases was as follows: For the fiscal years ended October 31, Cash Flow Statement Activity 2024 2023 2022 In millions Cash outflows from operating leases Net cash used in operating activities 274 \$219 A \$214 A ROU assets obtained in exchange for new operating lease liabilities Non-cash activities 627 \$215 A \$195 A The following tables shows the future payments on the Company's operating and finance leases: As of October 31, 2024 Operating Leases Finance Leases Fiscal year In millions 2025 \$321 A 7 A 2026 \$296 A 7 A 2027 \$281 A 7 A 2028 \$249 A 8 A 2029 \$201 A 8 A Thereafter 468 4 A Total future lease payments \$1,816 \$414 A Less: imputed interest (246)(3) Total lease liabilities \$1,570 \$411 A 7 A Accounting for Leases as a Lessor Financing Receivables Financing receivables represent sales-type and direct-financing leases of the Company and third-party products. These receivables typically have terms ranging from two to five years and are usually collateralized by a security interest in the underlying assets. Financing receivables also include billed receivables from operating leases. The allowance for credit losses represents future expected credit losses over the life of the receivables based on past experience, current information and forward-looking economic considerations. The components of financing receivables were as follows: 111 Table of Contents HEWLETT PACKARD ENTERPRISE COMPANY AND SUBSIDIARIES Notes to Consolidated Financial Statements (Continued) A As of October 31, 2024 2023 A In millions Minimum lease payments receivables \$10,266 \$9,363 A Unguaranteed residual value 599 438 A Unearned income (1,218)(987) Financing receivables, gross 9,647 8,814 A Allowance for credit losses (194)(243) Financing receivables, net 9,453 8,571 A Less: current portion (3,870)(3,543) Amounts due after one year, net 5,583 \$5,028 A As of October 31, 2024, scheduled maturities of the Company's minimum lease payments receivable were as follows: As of October 31, 2024 Fiscal year In millions 2025 \$4,282 A 2026 \$2,977 A 2027 \$1,747 A 2028 \$892 A 2029 \$277 A Thereafter 91 A Total undiscounted cash flows \$10,266 A A Present value of lease payments (recognized as finance receivables) \$9,048 A Difference between undiscounted cash flows and discounted cash flows \$1,218 A Sale of Financing Receivables The Company enters into arrangements to transfer the contractual payments due under certain financing receivables to third-party financial institutions. For the fiscal years ended October 31, 2024 and 2023, the Company sold \$93 million and \$237 million, respectively, of financing receivables. Credit Quality Indicators Due to the homogeneous nature of its leasing transactions, the Company manages its financing receivables on an aggregate basis when assessing and monitoring credit risk. Credit risk is generally diversified due to the large number of entities comprising the Company's customer base and their dispersion across many different industries and geographic regions. The Company evaluates the credit quality of an obligor at lease inception and monitors that credit quality over the term of a transaction. The Company assigns risk ratings to each lease based on the creditworthiness of the obligor and other variables that augment or mitigate the inherent credit risk of a particular transaction and periodically updates the risk ratings when there is a change in the underlying credit quality. Such variables include the underlying value and liquidity of the collateral, the essential use of the equipment, the term of the lease, and the inclusion of credit enhancements, such as guarantees, letters of credit or security deposits. 112 Table of Contents HEWLETT PACKARD ENTERPRISE COMPANY AND SUBSIDIARIES Notes to Consolidated Financial Statements (Continued) The credit risk profile of gross financing receivables, based on internal risk ratings as of October 31, 2024, presented on amortized cost basis by year of origination was as follows: A As of October 31, 2024 Risk Rating Low Moderate High Fiscal Year In millions 2024 \$2,630 \$1,120 A \$19 A 2023 1,804 948 54 A 2022 1,284 665 46 A 2021 1,440 317 52 A 2020 and prior 158 193 73 A Totals \$6,160 \$3,243 A \$244 A The credit risk profile of gross financing receivables, based on internal risk ratings as of October 31, 2023, presented on amortized cost basis by year of origination was as follows: A As of October 31, 2023 Risk Rating A Low Moderate High Fiscal Year In millions 2023 \$992 A \$1,408 A \$3,401 A \$273 A Accounts rated low risk typically have the equivalent of a Standard A or Poor's rating of BBB+ or higher, while accounts rated moderate risk generally have the equivalent of BB+ or lower. The Company classifies accounts as high risk when it considers the financing receivable to be impaired or when management believes there is a significant near-term risk of impairment. The credit quality indicators do not reflect any mitigation actions taken to transfer credit risk to third parties. Allowance for Credit Losses The allowance for credit losses for financing receivables as of October 31, 2024, 2023, and 2022, and the respective changes for the twelve months then ended were as follows: A As of October 31, 2024 2023 2022 A In millions Balance at beginning of period \$243 \$325 A \$228 A Provision for credit losses (1)(50) \$8 177 A Adjustment to the existing allowance (4) \$ 6 A (10) Write-offs (95) (140)(70) Balance at end of period \$194 \$243 A \$325 A (1) A A Fiscal 2022 included a provision of \$99 million related to expected credit losses due to the Company's exit from its Russia and Belarus businesses. 113 Table of Contents HEWLETT PACKARD ENTERPRISE COMPANY AND SUBSIDIARIES Notes to Consolidated Financial Statements (Continued) Non-Accrual and Past-Due Financing Receivables The following table summarizes the aging and non-accrual status of gross financing receivables: A As of October 31, 2024 2023 A In millions Billed: (1) A Current 1-

a days\$334A \$320A Past due 31-60Ådays29Å A Past due 61-90Ådays12Å 13Å Past due > 90Ådays79Å 100Å Unbilled sales-type and direct-financing lease receivables9,193Å 8,351Å Total gross financing receivables\$9,647Å 8,814Å Gross financing receivables on non-accural status(2)\$214Å \$227Å Gross financing receivables 90Å days past due and still accruing interest(2)(\$82A \$81A)1Includes billed operating lease receivables and billed sales-type and direct-financing lease receivables.(2)Includes billed operating lease receivables and billed and unbilled sales-type and direct-financing lease receivables.Operating LeasesOperating lease assets included in Property, plant and equipment, net in the Consolidated Balance Sheets were as follows:As of OctoberÅ 31, Å 20242023In millionsEquipment leased to customers\$6,669Å \$7,019Å Accumulated depreciation(3,037)(2,919)Total\$3,632Å \$4,100Å As of OctoberÅ 31, 2024, minimum future rentals on non-cancelable operating leases related to leased equipment were as follows:As of OctoberÅ 31, 2024Fiscal yearIn millions2025\$1,696Å 2026\$962Å 2027\$339Å 2028\$36Å 2029\$3Å Thereafter1Å Totals\$3,037Å If a lease is classified as an operating lease, the Company records lease revenue on a straight-line basis over the lease term. At commencement of an operating lease, initial direct costs are deferred and are expensed over the lease term on the same basis as the lease revenue is recorded.

114Table of ContentsHEWLETT PACKARD ENTERPRISE COMPANY AND SUBSIDIARIESNotes to Consolidated Financial Statements (Continued)The following table presents amounts included in the Consolidated Statements of Earnings related to lessor activity:For the fiscal years ended October 31,Location202420232022In millionsInterest income from sales-type leases and direct financing leasesFinancing income\$668Å \$474Å \$483Å Lease income from operating leasesServices2,344Å 2,407Å 2,296Å Total lease income\$3,012Å \$2,954Å \$2,779Å Variable Interest EntitiesThe Company has issued asset-backed debt securities under a fixed-term securitization program to private investors. The asset-backed debt securities are collateralized by the U.S. fixed-term financing receivables and leased equipment in the offering, which is held by a Special Purpose Entity (ÆœSPÊÄ). The SPE meets the definition of a Variable Interest Entity (ÆœVIEÄ) and is consolidated, along with the associated debt, into the Consolidated Financial Statements as the Company is the primary beneficiary of the VIE. The SPE is a bankruptcy-remote legal entity with separate assets and liabilities. The purpose of the SPE is to facilitate the funding of customer receivables and leased equipment in the capital markets. The Company's risk of loss related to securitized receivables and leased equipment is limited to the amount by which the Company's right to receive collections for assets securitized exceeds the amount required to pay interest, principal, and fees and expenses related to the asset-backed securities. The following table presents the assets and liabilities held by the consolidated VIE as of OctoberÅ 31, 2024 and 2023, which are included in the Consolidated Balance Sheets. The assets in the table below include those that can be used to settle the obligations of the VIE. Additionally, general creditors do not have recourse to the assets of the VIE.Å As of OctoberÅ 31, 20242023Assets held by VIE:In millionsOther current assets\$189Å \$145Å Financing receivablesShort-term\$872Å \$764Å Long-term\$1,079Å \$983Å Property, plant and equipment, nets\$1,033Å \$1,214Å Liabilities held by VIE:Notes payable and short-term borrowings, net of unamortized debt issuance costs\$1,433Å \$1,392Å Long-term debt, net of unamortized debt issuance costs\$965Å \$1,082Å For the year ended OctoberÅ 31, 2024, financing receivables and leased equipment transferred via securitization through the SPE were \$1.2 billion and \$0.6 billion, respectively. For the fiscal year ended OctoberÅ 31, 2023, financing receivables and leased equipment transferred via securitization through the SPE were \$0.8 billion and \$0.7 billion, respectively. NoteÅ 10: Acquisitions and DispositionsAcquisitions and Disposition in fiscal 2024On August 30, 2024, the Company completed the acquisition of Morpheus Data, a pioneer in software for hybrid cloud management and platform operations. Morpheus DataÆ™'s results of operations were included within the Hybrid Cloud segment. The acquisition date fair value consideration of \$147Å million primarily consisted of cash paid for outstanding common stock. The Company is amortizing the intangible assets on a straight-line basis over an estimated weighted-average useful life of 4 years. The purchase price allocations for the Morpheus Data acquisition, described below, reflect various preliminary fair value estimates and analysis, including preliminary work performed by third-party valuation specialists, of certain tangible assets and

115Table of ContentsHEWLETT PACKARD ENTERPRISE COMPANY AND SUBSIDIARIESNotes to Consolidated Financial Statements (Continued)liabilities acquired, the valuation of intangible assets acquired, certain legal matters, income and non-income based taxes, and residual goodwill, which are subject to change within the measurement period. The following table presents the aggregate estimated fair value of the assets acquired and liabilities assumed, including those items that are still pending allocations, for the acquisition completed during fiscal 2024.In millionsGoodwill\$98Å Amortizable intangible assets\$68Å Net liabilities assumed(19)Total fair value consideration\$147Å Pending Merger with Juniper Networks, Inc. On January 9, 2024, the Company entered into a definitive merger agreement under which HPE will acquire Juniper Networks, Inc. (ÆœJuniper NetworksÆ) in an all-cash transaction for \$40.00 per share, representing an equity value of approximately \$14Å billion. The transaction was unanimously approved by the boards of directors of both companies. On April 2, 2024, Juniper Networks shareholders approved the transaction. The transaction is expected to be funded based on senior unsecured delayed draw term loans from a syndicate of banks, the post-tax proceeds from the CompanyÆ™'s sale to UNIS of 30% of the total issued share capital of H3C, the net proceeds (including after repayments of maturing debt) of its September 2024 issuances of senior unsecured notes and 7.625% Series C Mandatory Convertible Preferred Stock (the ÆœPreferred StockÆ), and cash on the balance sheet. Refer to Note 14, ÆœBorrowings,Æ and Note 15, ÆœStockholders' Equity,Æ for additional information. The closing of the transaction remains subject to receipt of regulatory approvals and satisfaction of other customary closing conditions.Disposition of CTG On May 23, 2024, HPE announced plans to divest the CTG business to HCLTech. CTG is included in the Communications and Media Solutions business, which is reported in the Corporate Investments and Other segment. This divestiture includes the platform-based software solutions portions of the CTG portfolio, including systems integration, network applications, data intelligence, and the business support systems groups. As of October 31, 2024, assets and liabilities to be sold have been presented in the Consolidated Balance Sheet as assets and liabilities held for sale. On December 1, 2024, the Company completed the disposition of CTG. The Company received net proceeds of \$210 million and expect to recognize a gain of approximately \$230 million.Acquisitions in fiscal 2023During fiscalÅ 2023, the Company completed five acquisitions. The purchase price allocations for the acquisitions described below reflect various fair value estimates and analysis, including work performed by third-party valuation specialists, of certain tangible assets and liabilities acquired, the valuation of intangible assets acquired, certain legal matters, income and non-income based taxes, and residual goodwill, which were subject to change within the measurement period. Measurement period adjustments were recorded in the reporting period in which the estimates were finalized and adjustment amounts were determined.The pro forma results of operations, revenue and net income subsequent to the acquisition dates have not been presented as they were not material to the Company's consolidated results of operations, either individually or in the aggregate. Goodwill, which represents the excess of the purchase price over the net tangible and intangible assets acquired, was not deductible for tax purposes.

116Table of ContentsHEWLETT PACKARD ENTERPRISE COMPANY AND SUBSIDIARIESNotes to Consolidated Financial Statements (Continued)

The following table presents the aggregate estimated fair value of the assets acquired and liabilities assumed, including those items that are still pending allocations, for the acquisitions completed during fiscal 2023.In millionsGoodwill\$585Å Amortizable intangible assets\$209Net tangible assets assumed\$46Total fair value consideration\$840Å On May 2, 2023, the Company completed the acquisition of OpsRamp, an IT operations management company that monitors, observes, automates, and manages IT infrastructure, cloud resources, workflows, and applications for hybrid and multi-cloud environments, including the leading hyperscalers. OpsRampÆ™'s results of operations were included within the Corporate Investments and Other segment. The acquisition date fair value consideration of \$307Å million primarily consisted of cash paid for outstanding common stock. In connection with this acquisition, the Company recorded approximately \$217Å million of goodwill, and \$84Å million of intangible assets. The Company is amortizing the intangible assets on a straight-line basis over an estimated weighted-average useful life of 5 years.On March 15, 2023, the Company completed the acquisition of Axis Security, a cloud security provider, enabling the Company to expand its edge-to-cloud security capabilities by offering a unified Secure Access Services Edge solution to meet the increasing demand for integrated networking and security solutions deliveredaaS. Axis Security's results of operations were included within the Intelligent Edge segment. The acquisition date fair value consideration of \$412Å million primarily consisted of cash paid for outstanding common stock. In connection with this acquisition, the Company recorded approximately \$311Å million of goodwill, and \$71Å million of intangible assets. The Company is amortizing the intangible assets on a straight-line basis over an estimated weighted-average useful life of 5 years.Acquisitions in fiscal 2022The Company did not have any acquisitions during fiscal 2022. NoteÅ 11: Goodwill and Intangible Assets Goodwill and related changes in the carrying amount by reportable segment were as follows:A ServerHybrid CloudIntelligent EdgeFinancialServicesCorporate Investments & OtherTotalÅ Balance at OctoberÅ 31, 2023(1)\$10,220Å \$4,716Å \$2,908Å \$144Å \$æ“Å \$17,988Å Goodwill from acquisitions\$æ“Å \$98Å æ“A æ“A æ“A æ“A 98Å Goodwill adjustments\$æ“(1)1Å æ“A æ“A æ“A æ“A Balance at OctoberÅ 31, 2024(1)\$10,220Å \$4,813Å \$2,909Å \$144Å \$æ“(1)\$18,086Å (1)Goodwill is net of accumulated impairment losses of \$1.9Å billion. Of this amount, \$1.7Å billion relates to the HPC & AI reporting unit of which \$815Å million was recorded during the fourth quarter of fiscal 2022. The Hybrid Cloud reporting unit has an accumulated impairment loss of \$90Å million related to the former Software reporting unit which was also recorded during the fourth quarter of fiscal 2022.2024 Interim and Annual Goodwill Impairment Reviews As of October 31, 2024, the CompanyÆ™'s reporting units with goodwill are consistent with the reportable segments identified in Note 2, ÆœSegment InformationÆ to the Consolidated Financial Statements in Item 8 of Part II, with the exception of Server, which contains two reporting units: Compute and HPC & AI, and Corporate Investments and Other which contains two reporting units: Advisory and Professional Services, and legacy Communications and Media Solutions.

117Table of ContentsHEWLETT PACKARD ENTERPRISE COMPANY AND SUBSIDIARIESNotes to Consolidated Financial Statements (Continued)

During fiscal 2024, the Company performed the following goodwill impairment tests, none of which resulted in goodwill impairment:ÆœImpairment test performed as of November 1, 2023 based on organizational changes impacting the composition of reporting units as of that date;ÆœAnnual goodwill impairment test, which was performed as of the first day of the fourth quarter of fiscal 2024. The excess of fair value over carrying amount for the reporting units ranged from approximately 8% to 198% of the respective carrying amounts and;ÆœInterim goodwill impairment test as of September 30, 2024 for Compute and Hybrid Cloud reporting units. In September 2024, HPE sold 30% of the total issued share capital of H3C. The equity investment in H3C primarily benefits the Compute and Hybrid Cloud reporting units. Subsequent to the sale, on September 30, 2024, the Company performed an interim impairment analysis for Compute and Hybrid Cloud reporting units. The excess of fair value over carrying amount for these reporting units was 6% for Compute and 5% for Hybrid Cloud. The Compute reporting unit has goodwill of \$8.2 billion as of OctoberÅ 31, 2024, and excess of fair value over carrying value of 6% as of the September 30, 2024 interim test date. The Compute business is cyclical in nature. Over the last several years, digital transformation drove increased investment to modernize infrastructure. However, in the current macroeconomic and inflationary environment, customers have invested selectively resulting in moderate unit growth and competitive pricing. The Compute business continues to focus on capturing market share while maintaining operating margin, leveraging its strong portfolio of ProLiant Gen11 products. The Hybrid Cloud reporting unit has goodwill of \$4.8 billion as of OctoberÅ 31, 2024, and excess of fair value of 5% as of the September 30, 2024 interim test date. Although the Hybrid Cloud business is on a positive trajectory, the Company is managing both a sales model transition and product transition within this business. The CompanyÆ™'s product model transition is to a more cloud-native, software-defined platform with HPE Alletra. Translating this growth to revenue and operating income will take time because a greater mix of high margin business such as ratable software and services, are deferred and recognized in future periods.2023 and 2022 Annual Goodwill Impairment Reviews The CompanyÆ™'s fiscal 2023 annual impairment test did not result in any impairment charges.The CompanyÆ™'s fiscal 2022 annual goodwill impairment analysis resulted in impairment charges for goodwill related to the HPC & AI reporting unit and former Software reporting unit (which is now part of the Hybrid Cloud reporting unit). There was no impairment of goodwill for other reporting units. The decline in the fair value of the HPC & AI reporting unit below its carrying value resulted from changes in expected future cash flows due to the continuation of supply chain constraints, and other operational challenges as well as an increase in cost of capital. As a result, a goodwill impairment charge of \$815Å million was recorded in the fourth quarter of fiscal 2022. The decline in the fair value of the former Software reporting unit resulted primarily from a decline in market multiples. As a result, a goodwill impairment charge of \$90Å million was recorded in the fourth quarter of fiscal 2022.Intangible AssetsÅ As of October 31, 2024As of October 31, 2023Å GrossAccumulatedAmortizationNetGrossAccumulatedAmortizationNetÅ In millionsCustomer contracts, customer lists and distribution agreements\$219Å \$(70)\$149Å \$357Å \$(177)\$180Å Developed and core technology and patents747Å (443)304Å 1,162Å (711)451Å Trade name and trademarks6(5)1Å 146Å (123)23Å Capitalized software development costs56Å æ“A 56Å æ“A æ“A æ“A Total intangible assets\$1,028Å \$(518)\$510Å \$1,665Å \$(1,011)\$654Å 118Table of ContentsHEWLETT PACKARD ENTERPRISE COMPANY AND SUBSIDIARIESNotes to Consolidated Financial Statements (Continued)

For fiscal 2024, the decrease in gross intangible assets was primarily due to \$761Å million of intangible assets which became fully amortized and were eliminated from gross intangible assets and accumulated amortization, partially offset by \$68Å million of intangible assets related to acquisitions and \$56 million related to capitalized software development costs.As of October 31, 2024, the weighted-average remaining useful lives of the Company's finite-lived intangible assets were as follows

Recognized in IncomeFor the fiscal years ended October31,202420232022Net RevenueInterest and Other, netNet RevenueInterest and Other, netIn millionsTotal net revenue and interest and other, net\$30,127\$ (117)\$29,135\$ (104)\$28,496\$ (121)Gains (Losses) on Derivatives in Fair Value Hedging Relationships:Interest Rate ContractsHedged items\$ (93)\$ (27)\$ (4) 273A Derivatives designated as hedging instruments\$ (93) \$ (27) \$ (4) 273Gains (Losses) on Derivatives in Cash Flow Hedging Relationships:Foreign Exchange ContractsAmount of gains (losses) reclassified from accumulated other comprehensive income into income\$59\$ (75)\$28\$ (144)\$38\$ (590) Gains (Losses) on Derivatives not Designated as Hedging Instruments:Foreign exchange contracts\$ (4) 38\$ (97)\$ (287) A Other derivatives\$ (4) \$ (8)\$ (3) Total gains (losses)\$59\$ (37)\$28\$ (249)\$38\$ (874) Note 14: BorrowingsNotes Payable and Short-Term BorrowingsNotes payable and short-term borrowings, including the current portion of long-term debt, were as follows:As of October31, 20242023A AmountOutstandingWeighted-AverageInterest RateAmountOutstandingWeighted-AverageInterest RateA Dollars in millionsCurrent portion of long-term debt(1)\$3,969\$ 7.6% \$4,022\$ 4.8% A Commercial paper\$49\$ 3.7% \$679\$ 4.1% A Notes payable to banks, lines of credit and other\$24\$ 5.0% \$1,67\$ 4.6% A Total notes payable and short-term borrowings\$4,742\$ 4.4% \$4,868\$ 4.1(1)As of October31, 2024, the Current portion of long-term debt, net of discount and issuance costs, included 1.44 billion associated with the current portion of the Company issued asset-backed debt securities.127Table of ContentsHEWLETT PACKARD ENTERPRISE COMPANY AND SUBSIDIARIESNotes to Consolidated Financial Statements (Continued)Long-Term DebtAs of October31, 20242023A In millionsHewlett Packard Enterprise Unsecured Senior Notes\$1,250 issued at discount to par at a price of 99.996% in September 2024 at 4.45%, due September 25, 2026, interest payable semi-annually on March 25 and September 25 of each year\$1,250\$ (2) \$1,250 issued at discount to par at a price of 99.953% in September 2024 at 4.40%, due September 25, 2027, interest payable semi-annually on March 25 and September 25 of each year1,249\$ (1) \$1,750 issued at discount to par at a price of 99.894% in September 2024 at 4.55%, due October 15, 2029, interest payable semi-annually on April 15 and October 15 of each year1,748\$ (2) \$1,250 issued at discount to par at a price of 99.908% in September 2024 at 4.85%, due October 15, 2031, interest payable semi-annually on April 15 and October 15 of each year1,249\$ (2) \$2,000 issued at discount to par at a price of 99.078% in September 2024 at 5.00%, due October 15, 2034, interest payable semi-annually on April 15 and October 15 of each year1,982\$ (2) \$1,500 issued at discount to par at a price of 98.086% in September 2024 at 5.60%, due October 15, 2054, interest payable semi-annually on April 15 and October 15 of each year1,471\$ (4) \$250 issued at premium to par at a price of 100.452% in June 2023 at 5.90%, due October 1, 2024, interest payable semi-annually on April 1 and October 1 of each year\$251\$ (550) issued at discount to par at a price of 99.887% in June 2023 at 5.25%, due July 1, 2028, interest payable semi-annually on January 1 and July 1 of each year\$50\$ (549) \$400 issued at discount to par at a price of 99.997% in March 2023 at 6.102%, due April 1, 2026, interest payable semi-annually on April 1 and October 1 of each year\$400\$ (1,300) issued at discount to par at a price of 99.934% in March 2023 at 5.90%, due October 1, 2024, interest payable semi-annually on April 1 and October 1 of each year\$1,299\$ (1,000) issued at discount to par at a price of 99.883% in July 2020 at 1.45%, due April 1, 2024, interest payable semi-annually on April 1 and October 1 of each year\$1,000\$ (750) issued at discount to par at a price of 99.820% in July 2020 at 1.75%, due April 1, 2026, interest payable semi-annually on April 1 and October 1 of each year\$750\$ (2,500) issued at discount to par at a price of 99.725% in October 2015 at 4.90%, due October 15, 2025, interest payable semi-annually on April 15 and October 15 of each year\$2,499\$ (2,499) \$750 issued at discount to par at a price of 99.942% in October 2015 at 6.20%, due October 15, 2035, interest payable semi-annually on April 15 and October 15 of each year\$750\$ (1,500) issued at discount to par at a price of 99.932% in October 2015 at 6.35%, due October 15, 2045, interest payable semi-annually on April 15 and October 15 of each year\$1,499\$ (1,499) A Hewlett Packard Enterprise Asset-Backed Debt Securities\$818 issued in June 2024, in six tranches at a weighted average price of 99.99% and a weighted average interest rate of 5.59%, payable monthly from July 2024\$796\$ (1) \$796 issued in January 2024, in six tranches at a weighted average price of 99.99% and a weighted average interest rate of 5.48%, payable monthly from February 2024\$583\$ (612) issued in September 2023, in six tranches at a weighted average price of 99.99% and a weighted average interest rate of 6.40%, payable monthly from October 2023 with a stated final maturity of July 2031\$73\$ (596) \$643 issued in March 2023 and April 2023, in five tranches at a weighted average price of 99.99% and a weighted average interest rate of 5.59%, payable monthly from April 2023 with a stated final maturity of April 2028\$257\$ (483) \$651 issued in October 2022, in five tranches at a weighted average price of 99.99% and a weighted average interest rate of 5.55%, payable monthly from November 2022 with a stated final maturity date of August 2029\$191\$ (393) \$747 issued in May 2022, in six tranches at a weighted average price of 99.99% and a weighted average interest rate of 3.68%, payable monthly from July 2022 with a stated final maturity date of March 2030\$148\$ (367) \$1,000 issued in January 2022, in six tranches at a weighted average price of 99.99% and a weighted average interest rate of 1.51%, payable monthly from March 2022 with a stated final maturity date of November 2029\$124\$ (391) \$753 issued in June 2021, in six tranches at a weighted average price of 99.99% and a weighted average interest rate of 0.58%, payable monthly from August 2021 with a stated final maturity date of March 2029\$26\$ (147) \$1,000 issued in March 2021, in six tranches at a weighted average price of 99.99% and a weighted average interest rate of 0.49%, payable monthly from April 2021 with a stated final maturity date of March 2031\$ (102) A Other, including finance lease obligations, at 1.6%-6.3%, due in calendar years 2024-2030(1)\$208\$ (215) A Fair value adjustment related to hedged debt(58)(151)Unamortized debt issuance costs(76)(30)Less: current portion(3,969)(4,022)Total long-term debts13,504\$ (7,487) 128Table of ContentsHEWLETT PACKARD ENTERPRISE COMPANY AND SUBSIDIARIESNotes to Consolidated Financial Statements (Continued)(1)Other, including finance lease obligations included \$14 million and \$36 million as of October31, 2024 and 2023, respectively, of borrowing- and funding-related activity associated with FS and its subsidiaries that are collateralized by receivables and underlying assets associated with the related finance and operating leases. For both the periods presented, the carrying amount of the assets approximated the carrying amount of the borrowings.Interest expense on borrowings recognized in the Consolidated Statements of Earnings was as follows:For the fiscal years ended October31, 202420232022In millionsFinancing interestFinancing cost\$49\$ (383) \$211 A Interest expenseInterest and other, net\$28\$ (26) \$260 A Total interest expenses\$77\$ (709) \$71 A As disclosed in Note13, A Financial Instruments, A The Company used interest rate swaps to mitigate the exposure of its fixed rate debt to changes in fair value resulting from changes in interest rates, or hedge the variability of cash flows in the interest payments associated with its variable-rate debt. Interest rates on long-term debt in the table above have not been adjusted to reflect the impact of any interest rate swaps.Commercial Paper Hewlett Packard Enterprise maintains two commercial paper programs, A the Parent Programs, A and a wholly-owned subsidiary maintains a third program. The Parent Program in the U.S. provides for the issuance of U.S. dollar-denominated commercial paper up to a maximum aggregate principal amount of \$4.75 billion. The Parent Program outside the U.S. provides for the issuance of commercial paper denominated in U.S. dollars, euros or British pounds up to a maximum aggregate principal amount of \$3.0 billion or the equivalent in those alternative currencies. The combined aggregate principal amount of commercial paper outstanding under those two programs at any one time cannot exceed the \$4.75 billion as authorized by Hewlett Packard Enterprise's Board of Directors. In addition, the Hewlett Packard Enterprise subsidiary's euro Commercial Paper/Certificate of Deposit Program provides for the issuance of commercial paper in various currencies of up to a maximum aggregate principal amount of \$1.0 billion. As of October31, 2024 and 2023, no borrowings were outstanding under the Parent Programs. As of October31, 2024 and 2023, \$649 million and \$679 million, respectively, were outstanding under the subsidiary's A program.Revolving Credit FacilityIn September 2024, the Company terminated its prior senior unsecured revolving credit facility that was entered into in December 2021, and entered into a new senior unsecured revolving credit facility with an aggregate lending commitment of \$5.25 billion for a period of five years. The commitment comprised of (i) \$4.75 billion of commitments available immediately and (ii) \$500 million of commitments available from and subject to the closing of the Juniper Networks acquisition and refinancing of Juniper Networks A credit agreement in connection with the closing of the Juniper Networks acquisition. As of October31, 2024 and 2023, no borrowings were outstanding under either credit facilities. Uncommitted Credit facilityOn September 21, 2023, the Company entered into a five-year agreement with Societe Generale for an uncommitted short-term cash advance facility in the principal amount of up to \$500 million. As of October31, 2024, no borrowings were outstanding under this credit facility.Juniper Networks Acquisition Committed FinancingIn connection with HPE's signing a definitive agreement to acquire Juniper Networks in January 2024 (the A Merger Agreement), HPE entered into a commitment letter whereby HPE obtained a commitment from Citigroup Global Markets Inc., JPMorgan Chase Bank, N.A. and Mizuho Bank, Ltd. for a \$1.0 billion senior unsecured delayed draw term loan facility, comprised of an \$11.0 billion 364-day tranche and a \$3.0 billion three-year tranche, subject to customary conditions (the A Term Loan Commitment Letter). In September 2024, HPE issued \$9.0 billion of senior unsecured notes. In addition, in furtherance of the Term Loan Commitment Letter, the Company entered into term loan agreements with JPMorgan Chase Bank, N.A., Citibank, N.A., and 129Table of ContentsHEWLETT PACKARD ENTERPRISE COMPANY AND SUBSIDIARIESNotes to Consolidated Financial Statements (Continued)Mizuho Bank, Ltd. for approximately \$12.0 billion of senior unsecured delayed draw term loan facilities, comprised of an approximately \$9.0 billion 364-day tranche and a \$3.0 billion three-year tranche, subject to customary conditions. The Company has since further reduced the commitments under the 364-day term loan to \$1.0 billion. Unless previously terminated, commitments under both the 364-day term loan and the three-year term loan will terminate upon the earliest of (i) five business days after the Juniper Outside Date (as defined in such term loan agreements), (ii) the occurrence of the closing of the acquisition of Juniper Networks without the funding of any borrowings under either of the term loan agreements, and (iii) the termination of the Merger Agreement by HPE in writing in accordance with its terms. As of October31, 2024, no borrowings were outstanding and HPE paid \$422 million of financing fees. In connection with the entry into the aforementioned 364-day term loan and the three-year term loan, on September 12, 2024, HPE terminated the Term Loan Commitment Letter.Future Maturities of BorrowingsAs of October31, 2024, aggregate future maturities of the Company's borrowings at face value (excluding a fair value adjustment related to hedged debt of \$58 million, a net discount of \$53 million and unamortized debt issuance costs of \$76 million), including finance lease obligations were as follows:Fiscal yearIn millions2025\$4,032 A 2026\$2,710 A 2027\$1,545 A 2028\$612 A 2029\$1,758 A Thereafter\$7,003 A Total\$17,660 A Note 15: Stockholders' Equity The components of accumulated other comprehensive loss, net of taxes as of October31, 2024 and changes during fiscal 2024 were as follows:Net unrealizedgains on available-for-salesecuritiesNet unrealizedgains (losses)on cashflow hedgesUnrealizedcomponents of definedbenefit plansCumulative translation adjustmentAccumulated other comprehensive lossIn millionsBalance at beginning of period\$ (61) \$ (2,507) \$(638) \$(3,084) Other comprehensive income (loss) before reclassifications\$8 (115) \$ (34) (23) \$(96) Reclassifications of losses into earnings\$ (16) \$ (138) \$ (32) \$ (186) A Tax benefit (provision)\$ (22) \$ (72) \$ (17) \$ (17) A Balance at end of period\$ (88) \$ (166) \$(627) \$(977) The components of accumulated other comprehensive loss, net of taxes as of October31, 2023 and changes during fiscal 2023 were as follows:Net unrealized\$ (166) gains unavailable-for-salesecuritiesNet unrealizedgains (losses)on cashflow hedgesUnrealizedcomponents of definedbenefit plansCumulative translation adjustmentAccumulated other comprehensive lossIn millionsBalance at beginning of period\$ (1) \$ (109) \$ (2,596) \$(610) \$(3,098) Other comprehensive income (loss) before reclassifications\$ (1) \$(77) \$(99) \$(32) \$(307) Reclassifications of losses into earnings\$ (16) \$ (116) \$ (147) \$ (263) A Tax benefit\$ (13) \$ (41) \$ (4) \$ (58) A Balance at end of period\$ (6) \$ (61) \$ (2,507) \$(638) \$(3,084) 130Table of ContentsHEWLETT PACKARD ENTERPRISE COMPANY AND SUBSIDIARIESNotes to Consolidated Financial Statements (Continued)The components of accumulated other comprehensive loss, net of taxes as of October31, 2022 and changes during fiscal 2022 were as follows:Net unrealizedgains (losses) on available-for-salesecuritiesNet unrealizedgains (losses)on cashflow hedgesUnrealizedcomponents of definedbenefit plansCumulative translation adjustmentAccumulated other comprehensive lossIn millionsBalance at beginning of period\$ (15) \$ (81) \$ (2,545) \$(466) \$(2,915) Other comprehensive (loss) income before reclassifications(161) \$ (2,025) (315) (146) \$ (484) Reclassifications of (gains) losses into earnings\$ (978) \$ (160) \$ (818) Tax (provision) benefit\$ (19) \$ (104) \$ (287) A Balance at end of period\$ (1) \$ (109) \$ (2,596) \$(610) \$(3,098) 7.625 Series C Mandatory Convertible Preferred StockIn September 2024, the Company issued 30A million shares of 7.625% Series C Mandatory Convertible Preferred Stock, par value \$0.01 per share (the A Preferred Stock), for an aggregate purchase price of \$1.5 billion, less issuance costs of \$38A million. As of October31, 2024, 30A million shares of the Preferred Stock were outstanding. Unless converted earlier in accordance with its terms, each share of Preferred Stock will automatically convert on the mandatory conversion date, which is expected to be September 1, 2027, into between 2.5352 shares and 3.1056 shares of common stock, in each case, subject to customary anti-dilution adjustments described in the certificate of designations related to the Preferred Stock (the A Certificate of Designations). The number of shares of common stock issuable upon conversion will be determined based on the average volume weighted average price per share of common stock over the 20 consecutive trading day period beginning on, and including, the 21st scheduled trading day immediately prior to September 1, 2027. Holders of shares of Preferred Stock have the option to convert all or any portion of their shares of Preferred Stock at any time. The conversion rate applicable to any early conversion may, in certain circumstances, be increased to compensate holders of the Preferred Stock for unpaid accumulated dividends as described in the Certificate of Designations. If a Fundamental Change, as defined in the Certificate of Designations, occurs on or prior to September 1, 2027, then holders of the Preferred Stock will be entitled to convert all or any portion of their Preferred Stock at the Fundamental Change Conversion Rate, into between 1.9200 shares and 3.1056 shares of common stock, in all cases, subject to customary anti-dilution adjustments described in the Certificate of Designations, for a specified period of time and to also receive an amount to compensate them for unpaid accumulated dividends and any remaining future scheduled dividend payments. The Preferred Stock is not subject to redemption at the Company's option.DividendsThe stockholders of HPE common stock are entitled to receive dividends when and as declared by the Board of Directors. The Company's ability to pay dividends will depend on many factors, such as its financial condition, earnings, capital requirements, debt service obligations, restrictive covenants in its debt, industry practice, legal requirements, regulatory constraints, and other factors that the Board of Directors deems relevant. Furthermore, so long as any share of its Preferred Stock remains outstanding, no dividend on shares of common stock (or any other class of stock junior to the Preferred Stock) shall be declared or paid unless all accumulated and unpaid dividends for all preceding dividend periods for the Preferred Stock have been declared and paid in full in cash, shares of the Company's common stock or a combination thereof, or a sufficient sum of cash or number of shares of its common stock has been set apart for the payment of such dividends, on all outstanding shares of the Preferred Stock. Dividends declared were \$0.52 and \$0.48 per common share in fiscal 2024 and 2023, respectively. On December 05, 2024, the Company declared a regular cash dividend of \$0.13 per share on the Company's common stock, payable on January 16, 2025, to the stockholders of record as of the close of business on December 20, 2024. Dividends on the Preferred Stock will be payable on a cumulative basis when, as and if declared by the Board of Directors, or an authorized committee thereof, at an annual rate of 7.625% on the liquidation of preference of \$50.00 per share. The Company may pay declared dividends in cash or, subject to certain limitations, in shares of its common stock or in any combination of cash and shares of its common stock on March 1, June 1, September 1 and December 1 of each year, 131Table of ContentsHEWLETT PACKARD ENTERPRISE COMPANY AND SUBSIDIARIESNotes to Consolidated Financial Statements (Continued)commencing on December 1, 2024, and ending on, and including, September 1, 2027. The Company has declared a cash dividend of \$0.82604167 per share of its 7.625% Series C Mandatory Convertible Preferred Stock, which was paid on December 1, 2024, to holders of record as of the close of business on November 15, 2024. Share Repurchase ProgramOn October 13, 2015, the Board of Directors approved a share repurchase program with a \$3.0 billion authorization, which was refreshed with additional share repurchase authorizations of \$3.0 billion, \$5.0 billion and \$2.5 billion on May 24, 2016, October 16, 2017 and February 21, 2018, respectively. This program, which does not have a specific expiration date, authorizes repurchases in the open market or in private transactions. In fiscal 2024, the Company repurchased and settled a total of 7.8A million shares under its share repurchase program through open market repurchases, which included 0.2A million shares that were unsettled open market repurchases as of October31, 2023. Additionally, the Company had unsettled open market repurchases of 0.1A million shares as of October31, 2024. Shares repurchased during the fiscal 2024 were recorded as a \$150A million reduction to stockholders' equity. As of October31, 2024, the Company had a remaining authorization of approximately \$0.8A billion for future share repurchases. In fiscal 2023, the Company repurchased and settled a total of 27.2A million shares under its share repurchase program through open market repurchases, which included 0.3A million shares that were unsettled open market repurchases as of October31, 2022. Additionally, the Company had unsettled open market repurchases of 0.2A million shares as of October31, 2023. Shares repurchased during the fiscal 2023 were recorded as a \$0.4 billion reduction to stockholders' equity. Note 16: Net Earnings Per ShareThe Company calculates basic net EPS using net earnings and the weighted-average number of shares outstanding during the reporting period. The reconciliations of the numerators and denominators of each of the basic and diluted net EPS calculations were as follows:For the fiscal years ended October31, 202420232022A In millions, except per share amountsNumerator: A Net earnings attributable to common stockholders - Basic\$2,554\$ (2,025) A \$868 A Plus: 7.625% Series C mandatory convertible preferred stock dividends\$25\$ (2) \$ (2) A Net earnings - Diluted\$2,579\$ (2,025) A \$868 A Denominator:Weighted-average shares used to compute basic net EPS1,309\$ (1,299) \$1,303 A Dilutive effect of employee stock plans(1)18\$ (17) \$ (19) A Dilutive effect of 7.625% Series C mandatory convertible preferred stock(1)10\$ (4) \$ (4) A Weighted-average shares used to compute diluted net

EPS1,337A,1316A,1322A Net earnings per share attributable to common stockholders:Basic \$1.95A \$1.56A \$0.67A Diluted \$1.93A \$1.54A \$0.66A Anti-dilutive weighted-average stock awards(2)â€A â€A 2A (1)The impact of dilutive effect of employee stock plans is calculated under the treasury stock method, and the impact of dilutive effect of the 7.625% Series C Mandatory Convertible Preferred Stock is calculated under the if-converted method.(2)The Company excludes shares potentially issuable under employee stock plans that could dilute basic net EPS in the future from the calculation of diluted net earnings per share, as their effect, if included, would have been anti-dilutive for the periods presented.132Table of ContentsHEWLETT PACKARD ENTERPRISE COMPANY AND SUBSIDIARIESNotes to Consolidated Financial Statements (Continued)NoteA-17: Litigation, Contingencies, and CommitmentsHewlett Packard Enterprise is involved in various lawsuits, claims, investigations and proceedings including those consisting of intellectual property, commercial, securities, employment, employee benefits, and environmental matters, which arise in the ordinary course of business. In addition, as part of the Separation and Distribution Agreement (the "Separation and Distribution Agreement") entered into in connection with Hewlett Packard Enterprise's spin-off from HP Inc. (formerly known as "Hewlett-Packard Company") (the "Separation"), Hewlett Packard Enterprise and HP Inc. agreed to cooperate with each other in managing certain existing litigation related to both parties' businesses. The Separation and Distribution Agreement included provisions that allocate liability and financial responsibility for pending litigation involving the parties, as well as provide for cross-indemnification of the parties against liabilities to one party arising out of liabilities allocated to the other party. The Separation and Distribution Agreement also included provisions that assign to the parties responsibility for managing pending and future litigation related to the general corporate matters of HP Inc. arising prior to the Separation. Hewlett Packard Enterprise records a liability when it believes that it is both probable that a liability has been incurred and the amount of loss can be reasonably estimated. Significant judgment is required to determine both the probability of having incurred a liability and the estimated amount of the liability. Hewlett Packard Enterprise reviews these matters at least quarterly and adjusts these liabilities to reflect the impact of negotiations, settlements, rulings, advice of legal counsel, and other updated information and events pertaining to a particular matter. Litigation is inherently unpredictable. However, Hewlett Packard Enterprise believes it has valid defenses with respect to legal matters pending against us. Nevertheless, cash flows or results of operations could be materially affected in any particular period by the resolution of one or more of these contingencies. Hewlett Packard Enterprise believes it has recorded adequate provisions for any such matters and, as of October 31, 2024, it was not reasonably possible that a material loss had been incurred in connection with such matters in excess of the amounts recognized in its financial statements.Litigation, Proceedings and InvestigationsRoss and Rogus v. Hewlett Packard Enterprise Company. On November 8, 2018, a putative class action complaint was filed in the Superior Court of California, County of Santa Clara alleging that HPE pays its California-based female employees "systemically lower compensation" than HPE pays male employees performing substantially similar work. The complaint alleges various California state law claims, including California's "Equal Pay Act, Fair Employment and Housing Act, and Unfair Competition Law, and seeks certification of a California-only class of female employees employed in certain "Covered Positions." The parties subsequently reached an agreement to resolve this class action. The terms of the settlement are reflected in Plaintiff's Motion for Preliminary Approval of Class Action Settlement and Certification of Settlement Class, which was filed with the Court on September 26, 2022. On November 3, 2022, the Court granted Plaintiff's motion and preliminarily approved the terms of the class settlement, which defines the settlement class as all "women actively employed in California by Defendant at any point from November 1, 2015, through the date of Preliminary Approval" who were employed in a covered job code. The settlement class excludes certain individuals, including those who previously executed an arbitration agreement with HPE or an agreement that resulted in a release or waiver of claims. On April 28, 2023, the Court granted Plaintiff's Motion for Final Approval of the Class Action Settlement and Certification of the Settlement Class. On February 6, 2024, the Court entered final judgment, approving the settlement and dismissing the action.India Directorate of Revenue Intelligence Proceedings.Â On April 30 and May 10, 2010, the India Directorate of Revenue Intelligence (the "DRi") issued notices to Hewlett-Packard India Sales Private Ltd ("HP India"), a subsidiary of HP Inc., seven HP India employees and one former HP India employee alleging that HP India underpaid customs duties while importing products and spare parts into India and seeking to recover an aggregate of approximately \$370 million, plus penalties. On April 11, 2012, the Bangalore Commissioner of Customs issued an order on the products-related notices affirming duties and penalties against HP India and the named individuals for approximately \$386 million. On April 20, 2012, the Commissioner issued an order on the spare parts-related notice affirming duties and penalties against HP India and certain of the named individuals for approximately \$17 million. HP India filed appeals of the Commissioner's orders before the Customs Tribunal. The Customs Department filed cross-appeals before the Customs Tribunal. On October 27, 2014, the Customs Tribunal commenced hearings on the cross-appeals of the Commissioner's orders. The Customs Tribunal rejected HP India's request to return the matter to the Commissioner on procedural grounds. The hearings before the Customs Tribunal were subsequently delayed, have been postponed on several occasions since 2014, and have not yet been rescheduled.ECT Proceedings. In January 2011, the postal service of Brazil, Empresa Brasileira de Correios e TelÃ©grafos ("ECT"), notified a former subsidiary of HP Inc. in Brazil ("HP Brazil") that it had initiated administrative proceedings to consider whether to suspend HP Brazil's right to bid and contract with ECT related to alleged improprieties in the bidding and contracting processes whereby employees of HP Brazil and employees of several other companies allegedly coordinated their bids and fixed results for three ECT contracts in 2007 and 2008. In late July 2011, ECT notified HP Brazil it had decided to 133Table of ContentsHEWLETT PACKARD ENTERPRISE COMPANY AND SUBSIDIARIESNotes to Consolidated Financial Statements (Continued)apply the penalties against HP Brazil and suspend HP Brazil's right to bid and contract with ECT for five years, based upon the evidence before it. In August 2011, HP Brazil appealed ECT's decision. In April 2013, ECT rejected HP Brazil's appeal, and the administrative proceedings were closed with the penalties against HP Brazil remaining in place. In parallel, in September 2011, HP Brazil filed a civil action against ECT seeking to have ECT's decision revoked. HP Brazil also requested an injunction suspending the application of the penalties until a final ruling on the merits of the case, which was denied. HP Brazil appealed the denial of its request for injunctive relief to the intermediate appellate court, which issued a preliminary ruling denying the request for injunctive relief but reducing the length of the sanctions from five to two years. HP Brazil appealed that decision and, in December 2011, obtained a ruling staying enforcement of ECT's sanctions until a final ruling on the merits of the case. HP Brazil expects a resolution of the decision on the merits to take several years.Forsyth, et al. vs. HP Inc. and Hewlett Packard Enterprise. This purported class and collective action was filed on August 18, 2016 in the United States District Court for the Northern District of California, against HP Inc. and Hewlett Packard Enterprise (collectively, "Defendants") alleging Defendants violated the Federal Age Discrimination in Employment Act ("ADEA"), the California Fair Employment and Housing Act, California public policy and the California Business and Professions Code by terminating older workers and replacing them with younger workers.Â Plaintiffs seek to certify a nationwide collective action under the ADEA comprised of individuals aged 40 years and older who had their employment terminated by an HP entity pursuant to a work force reduction ("WFR") plan. Plaintiffs also seek to certify a class under California law consisting of all persons 40 years or older employed by Defendants in the state of California and terminated pursuant to a WFR plan on or after August 18, 2012. On April 14, 2021, Plaintiff's Motion for Conditional Class Certification was granted. The conditionally certified collective action consists of all individuals who had their employment terminated by Defendants pursuant to a WFR Plan on or after November 1, 2015, and who were 40 years or older at the time of such termination. The collective action excludes all individuals who signed a Waiver and General Release Agreement or an Agreement to Arbitrate Claims. The parties have reached an agreement to resolve this matter. Plaintiffs filed a Motion for Preliminary Approval of the Class Action and Collective Action Settlement on September 21, 2023. On November 3, 2023, the Court issued an order granting preliminary approval to the Class Action and Collective Action Settlement. On March 29, 2024, the Court granted Final Approval to the settlement following a Fairness Hearing on the parties' Motion for Final Approval. Judgment has been entered by the Court and the matter is now closed.Q3 Networking Litigation. On September 21 and September 22, 2020, Q3 Networking LLC filed complaints against HPE, Aruba Networks, Commscope and Netgear in the United States District Court for the District of Delaware and the United States International Trade Commission ("ITC"). Both complaints allege infringement of four patents, and the ITC complaint defines the "accused products" as "routers, access points, controllers, network management servers, other networking products, and hardware and software components thereof." The ITC action was instituted on October 23, 2020. The District of Delaware action has been stayed pending resolution of the ITC action. On December 7, 2021, the Administrative Law Judge issued his initial determination finding no violation of section 337 of the Tariff Act. On May 3, 2022, the ITC issued its Notice of Final Determination, affirming the initial determination and terminating the investigation. On June 18, 2022, Q3 Networking filed a petition for review of the ITC ruling with the United States Court of Appeals for the Federal Circuit. On May 10, 2024, the United States Court of Appeals for the Federal Circuit affirmed the ITC's ruling in favor of HPE and Aruba Networks. Q3 Networking has not sought further review of the Federal Circuit's ruling and HPE considers the matter closed.R2 Semiconductor Patent Litigation. In November 2022, R2 Semiconductor, Inc. ("R2") filed a lawsuit in the Dusseldorf Regional Court in Germany against Intel Deutschland GmbH, Hewlett-Packard GmbH, and other Intel customers. R2 asserts that one European patent is infringed by certain Intel processors and the HPE products that contain those Intel processors. On February 7, 2024, the Dusseldorf Regional Court ruled in R2's favor, issuing an injunction that, if enforced by R2, would prevent the sale in Germany of any products with infringing Intel processors, and require HPE to correspond with its direct customers in Germany requesting return of the products with infringing Intel processors. The injunction would remain in place unless the ruling is overturned on appeal, the patent is invalidated by the German Federal Patent Court, or the matter is resolved by the parties. On February 8, 2024, HPE, Intel, HP Inc., and Dell filed an appeal and request for a stay of the judgment pending appeal. On April 9, 2024 the request for a stay pending appeal was denied. On April 3, 2024, R2 filed a lawsuit in France in the first instance court in Paris (Tribunal judiciaire de Paris) against Intel Corporation, Intel Corporation SAS, Intel Deutschland GmbH, HP France SAS and certain other Intel customers. In May 2024, R2 filed suit in Milan against Intel Corporation Italia S.p.A., Hewlett-Packard Italiana S.r.l., and certain other Intel customers. R2 asserts the same European patent is infringed in both the French and Italian actions. On August 30, 2024, Intel and R2 publicly announced an agreement to dismiss all litigation between the two companies that would include dismissal of all litigation against all subsidiaries of HPE in the foregoing actions. Pursuant to that agreement, the Italian lawsuit was dismissed on September 2, 2024, the German lawsuit was dismissed on September 4, 2024, and the French lawsuit was dismissed on September 6, 2024. These matters are now 134Table of ContentsHEWLETT PACKARD ENTERPRISE COMPANY AND SUBSIDIARIESNotes to Consolidated Financial Statements (Continued)closed.Shared Litigation with HP Inc., DXC and Micro Focus As part of the Separation and Distribution Agreements between Hewlett Packard Enterprise and HP Inc., Hewlett Packard Enterprise and DXC, and Hewlett Packard Enterprise and Seattle SpinCo, the parties to each agreement agreed to cooperate with each other in managing certain existing litigation related to both parties' businesses. The Separation and Distribution Agreements also included provisions that assign to the parties responsibility for managing pending and future litigation related to the general corporate matters of HP Inc. (in the case of the separation of Hewlett Packard Enterprise from HP Inc.) or of Hewlett Packard Enterprise (in the case of the separation of DXC from Hewlett Packard Enterprise and the separation of Seattle SpinCo from Hewlett Packard Enterprise), in each case arising prior to the applicable separation.EnvironmentalThe Company's operations and products are or may in the future become subject to various federal, state, local and foreign laws and regulations concerning the environment, including laws addressing the discharge of pollutants into the air and water; supply chain due diligence, and sustainability, environment, and emissions-related reporting; the management, movement, and disposal of hazardous substances and wastes; the clean-up of contaminated sites; product compliance and safety; the energy consumption of products, services, and operations; and the operational or financial responsibility for recycling, treatment, and disposal of those products. This includes legislation that makes producers of electrical goods, including servers and networking equipment, subject to certain reparability requirements or financially responsible for specified collection, recycling, treatment, and disposal of past and future covered products (sometimes referred to as "product take-back legislation"). The Company could incur substantial costs, its products could be restricted from entering certain jurisdictions, and it could face other sanctions, if it were to violate or become liable under environmental laws, including those related to addressing climate change and other environmental related issues, or if its products become non-compliant with such environmental laws. The Company's potential exposure includes impacts on revenue, fines and civil or criminal sanctions, third-party property damage or personal injury claims and clean-up costs. The amount and timing of costs to comply with environmental laws are difficult to predict.In particular, the Company may become a party to, or otherwise involved in, proceedings brought by U.S. or state environmental agencies under the Comprehensive Environmental Response, Compensation and Liability Act ("CERCLA"), known as "Superfund," or other federal, state or foreign laws and regulations addressing the clean-up of contaminated sites, and may become a party to, or otherwise involved in, proceedings brought by private parties for contribution towards clean-up costs. The Company is also contractually obligated to make financial contributions to address actions related to certain environmental liabilities, both ongoing and arising in the future, pursuant to its Separation and Distribution Agreement with HP Inc.Unconditional Purchase ObligationsAs of October 31, 2024, the Company had unconditional purchase obligations of approximately \$1.3A billion. These unconditional purchase obligations include agreements to purchase goods or services that are enforceable and legally binding on the Company and that specify all significant terms, including fixed or minimum quantities to be purchased, fixed, minimum or variable price provisions and the approximate timing of the transaction, as well as settlements that the Company has reached with third parties, requiring it to pay determined amounts over a specified period of time. These unconditional purchase obligations are related principally to inventory purchases, software maintenance and support services and other items. Unconditional purchase obligations exclude agreements that are cancellable without penalty. The Company expects the commitments to total \$56A million, \$36A million, \$27A million, \$6A million, and \$13A million, for fiscal years 2025, 2026, 2027, 2028, and 2029, respectively. There are no unconditional purchase obligations subsequent to fiscal year 2029.NoteA-18: Guarantees and IndemnificationsGuaranteesIn the ordinary course of business, the Company may issue performance guarantees to certain of its clients, customers and other parties pursuant to which the Company has guaranteed the performance obligations of third parties. Some of those guarantees may be backed by standby letters of credit or surety bonds. In general, the Company would be obligated to perform over the term of the guarantee in the event a specified triggering event occurs as defined by the guarantee. The Company believes the likelihood of having to perform under a material guarantee is remote.135Table of ContentsHEWLETT PACKARD ENTERPRISE COMPANY AND SUBSIDIARIESNotes to Consolidated Financial Statements (Continued)The Company has entered into service contracts with certain of its clients that are supported by financing arrangements. If a service contract is terminated as a result of the Company's non-performance under the contract or failure to comply with the terms of the financing arrangement, the Company could, under certain circumstances, be required to acquire certain assets related to the service contract. The Company believes the likelihood of having to acquire a material amount of assets under these arrangements is remote.The maximum potential future payments under performance guarantees and financing arrangements was \$298 million as of October 31, 2024.IndemnificationsIn the ordinary course of business, the Company enters into contractual arrangements under which the Company may agree to indemnify a third party to such arrangement from any losses incurred relating to the services they perform on behalf of the Company or for losses arising from certain events as defined within the particular contract, which may include, for example, litigation or claims relating to past performance. The Company also provides indemnifications to certain vendors and customers against claims of intellectual property infringement made by third parties arising from the use by such vendors

and accordingly, the Company could be legally liable under applicable tax law for such liabilities and required to make additional tax payments. In addition, if the distribution of Everett's or Seattle's common shares to Hewlett Packard Enterprise's stockholders is determined to be taxable, the Company would generally bear the tax liability, unless the taxability of the distribution is the direct result of actions taken by DXC/Micro Focus, in which case DXC/Micro Focus would be responsible for any taxes imposed on the distribution. 136Table of ContentsHEWLETT PACKARD ENTERPRISE COMPANY AND SUBSIDIARIESNotes to Consolidated Financial Statements (Continued)As of October 31, 2024 and 2023, the Company's receivable and payable balances related to indemnified litigation matters and other contingencies, and income tax-related indemnification covered by these agreements were as follows:As of October 31, 20242023A In millionsLitigation Matters and Other ContingenciesReceivable \$37A \$42A Payable 47A 48A Income Tax-Related Indemnification(1)Net indemnification receivable - long-term35A 31A Net indemnification receivable - short-term\$A€"A \$11A (1)The actual amount that the Company may receive or pay could vary depending upon the outcome of certain unresolved tax matters, which may not be resolved for several years.Note 19: Equity InterestsThe Company includes investments which are accounted for using the equity method, under Investments in equity interests on the Company's Consolidated Balance Sheets.Pursuant to the Shareholders' Agreement among the CompanyA€"s relevant subsidiaries, Unisplendour International Technology Limited (A€œUNISA€", and H3C dated as of May 1, 2016, as amended from time to time, and most recently on October 28, 2022, the Company delivered a notice to UNIS on December 30, 2022, to exercise its right to put to UNIS, for cash consideration, all of the H3C shares held by the Company, which represent 49% of the total issued share capital of H3C. On May 26, 2023, the CompanyA€"s relevant subsidiaries entered into a Put Share Purchase Agreement with UNIS, whereby UNIS has agreed to purchase all of the H3C shares held by the Company, through its subsidiaries. On May 24, 2024, the CompanyA€"s relevant subsidiaries entered into (i) an Amended and Restated Put Share Purchase Agreement with UNIS, whereby its relevant subsidiaries shall sell to UNIS 30% of the total issued share capital of H3C for pre-tax cash consideration of approximately \$2.1A billion by August 31, 2024 (the A€œSale TransactionA€), and (ii) an Agreement on Subsequent Arrangements with UNIS, whereby upon closing of the Sale Transaction, the CompanyA€"s relevant subsidiary shall have a put option to sell to UNIS and UNIS shall have a call option to purchase from the CompanyA€"s relevant subsidiary 19% of the total issued share capital of H3C for pre-tax cash consideration of approximately \$1.4A billion between the 16th month and until the 36th month after the Sale Transaction. The transactions referenced in clauses (i) and (ii) above, taken together, revise the arrangements governing the aforementioned sale of all of the H3C shares held by the Company, through its subsidiaries and are subject to certain grace periods and regulatory approvals. On September 4, 2024, pursuant to the Amended and Restated Put Share Purchase Agreement with UNIS (as described above), the Company received \$2.1A billion of pre-tax consideration (\$2.0A billion post-tax), in connection with the sale to UNIS of 30% of the total issued share capital of H3C resulting in a gain of \$733A million. As of October 31, 2024, the Company's Investments in equity interests was \$929A million and primarily related to a 19% equity interest in H3C. As of October 31, 2023, the Company's Investments in equity interests was \$2.2A billion and primarily related to a 49% equity interest in H3C.As of OctoberA 31, 2024, the difference between the cost of the investment and the underlying equity in the net assets of the investment is \$649A million. As of OctoberA 31, 2024 and 2023, the Company determined that no impairment of its equity method investments existed. 137Table of ContentsHEWLETT PACKARD ENTERPRISE COMPANY AND SUBSIDIARIESNotes to Consolidated Financial Statements (Continued)Earnings from equity interestsThe Company recorded earnings from equity interests of \$147 million, \$245 million and \$215 million in fiscal 2024, 2023 and 2022, respectively, in the Consolidated Statements of Earnings, the components of which are as follows:For the fiscal years ended October 31, 202420232022In millionsEarnings from equity interests, net of taxes\$154A \$242A \$270A Basis difference amortization(3)(9)(45)Adjustment of profit on intra-entity sales(4)(12A (10)Earnings from equity interests\$147A \$245A \$215A For fiscal 2024 and 2023, the Company received a cash dividend of \$43A million and \$200A million, respectively, from H3C. These amounts were accounted for as a return on investment and reflected as a reduction in the carrying balance of the Company's Investments in equity interests in its Consolidated Balance Sheets.The Company also has commercial arrangements with H3C to buy and sell HPE branded servers, storage and networking products and services. For fiscal 2024, 2023 and 2022, HPE recorded approximately \$256A million, \$383A million and \$484A million of sales to H3C and \$72A million, \$125A million and \$148A million of purchases from H3C, respectively. Payables due to H3C as of October 31, 2024 and 2023 were approximately \$7A million and \$10A million, respectively. Receivables due from H3C as of October 31, 2024 and 2023 were approximately \$7A million and \$12A million, respectively.138Table of ContentsITEM 9. Changes in and Disagreements with Accountants on Accounting and Financial Disclosure.None.ITEM 9A. Controls and Procedures.Evaluation of Disclosure Controls and ProceduresUnder the supervision and with the participation of our management, including our principal executive officer and principal financial officer, we conducted an evaluation of the effectiveness of the design and operation of our disclosure controls and procedures, as defined in RulesA 13a-15(e) and 15d-15(e) under the Exchange Act as of the end of the period covered by this report (the A€œEvaluation DateA€). Based on this evaluation, our principal executive officer and principal financial officer concluded as of the Evaluation Date that our disclosure controls and procedures were effective such that the information relating to the Company, including our consolidated subsidiaries, required to be disclosed in our SEC reports (i)A is recorded, processed, summarized and reported within the time periods specified in SEC rules and forms, and (ii)A is accumulated and communicated to the Company's management, including our principal executive officer and principal financial officer, as appropriate to allow timely decisions regarding required disclosure.Management's Report on Internal Control Over Financial ReportingSeeA ManagementA€"s Report of Internal Control Over Financial ReportingA and the Report of Independent Registered Public Accounting Firm on our internal control over financial reporting in Item 8, which are incorporated herein by reference.Changes in Internal Control Over Financial ReportingUnder the supervision and with the participation of our management, including our principal executive officer and principal financial officer, we conducted an evaluation of any changes in our internal control over financial reporting (as such term is defined in RulesA 13a-15(f) and 15d-15(f) under the Exchange Act) that occurred during our most recently completed fiscal quarter. Based on that evaluation, our principal executive officer and principal financial officer concluded that there has not been any change in our internal control over financial reporting during that quarter that has materially affected, or is reasonably likely to materially affect, our internal control over financial reporting. ITEM 9B. Other Information.The Company filed a Corrected Certificate of Designations with the Secretary of State of the State of Delaware on December 17, 2024, to correct a scrivenerA€"s error in the Certificate of Designations that was previously filed with the Secretary of State of the State of Delaware on September 12, 2024, governing the powers, preferences and rights of the 7.625% Series C Mandatory Convertible Preferred Stock. This newly filed Corrected Certificate of Designations is attached hereto as Exhibit 3.8.Trading PlansDuring the fiscal quarter ended OctoberA 31, 2024, none of our directors or officers adopted or terminated a A€œRule 10b5-1 trading arrangementA€ or a A€œnon-Rule 10b5-1 trading arrangement,A€ as those terms are defined in Regulation S-K, Item 408.Exchange Act Section 13(r) Disclosure On March 2, 2021, the U.S. Secretary of State designated the Russian Federal Security Service (A€œFSBA€) as a party subject to the provisions of U.S. Executive Order No. 13382 issued in 2005 (A€œExecutive Order 13382A€). On the same day, the U.S. Department of the TreasuryA€"s Office of Foreign Assets Control (A€œOFACA€) updated General License 1B (A€œGeneral License 1BA€) which generally authorizes U.S. companies to engage in certain licensing, permitting, certification, notification, and related transactions with the FSB as may be required for the importation, distribution, or use of information technology products in the Russian Federation. Our local Russian subsidiary (A€œHPE RussiaA€) may be required to engage with the FSB as a licensing authority and to file documents. There are no gross revenues or net profits directly associated with any such dealings by HPE with the FSB and all such dealings are explicitly authorized by General License 1B. We plan to continue these activities as required to support our orderly and managed wind down of our Russia operations.On April 15, 2021, the U.S. Government issued an executive order on Blocking Property with Respect to Specified Harmful Foreign Activities of the Government of the Russian Federation (A€œExecutive Order 14024A€), implementing additional U.S. sanctions against the Russian government and against Russian actors that threaten U.S. interests, including certain technology companies that support the Russian Intelligence Service. The U.S. Secretary of the Treasury designated Pozitiv Teknolodzhiz, AO (A€œPositive TechnologiesA€) under Executive Order 14024 and Executive Order 13382. HPE Russia had dealings with Positive Technologies prior to its designation. Following the sanctions designation, HPE Russia immediately initiated procedures to terminate its relationship with Positive Technologies. HPE does not plan to engage in any further 139Table of Contentstransactions with this entity, except wind down activities that are authorized by OFAC going forward. HPE Russia continues to have blocked property associated with Positive Technologies. No action will be taken unless and until a license is received from OFAC authorizing collection of the property. There are no identifiable gross revenues or net profits associated with HPEA€"s activities related to Positive Technologies for this reporting period.For a summary of our revenue recognition policies, see A€œRevenue RecognitionA€ described in Note 1, A€œOverview and Summary of Significant Accounting PoliciesA€ to the Consolidated Financial Statements in Item 8 of Part II. ITEM 9C. Disclosure Regarding Foreign Jurisdictions that Prevent Inspections.Not applicable.140Table of ContentsPART IIITEM 10. Directors, Executive Officers and Corporate Governance.The names of the executive officers of Hewlett Packard Enterprise and their ages, titles and biographies as of the date hereof are incorporated by reference from PartA I, ItemA 1, above.Hewlett Packard Enterprise has adopted insider trading policies and procedures applicable to our directors, officers, and employees, that we believe are reasonably designed to promote compliance with insider trading laws, rules, and regulations, and the listing standards of the New York Stock Exchange. Our insider trading policy, among other things, (i) prohibits our employees and related persons and entities from trading in securities of Hewlett Packard Enterprise and certain other companies while in possession of material, non-public information, (ii) prohibits our employees from disclosing material, non-public information of Hewlett Packard Enterprise, or another publicly traded company, to others who may trade on the basis of that information, and (iii) requires that certain designated individuals and roles of the Company only transact in Hewlett Packard Enterprise securities during an open window period, subject to limited exceptions. A copy of our insider trading policy is filed as Exhibit 19 to this Form 10-K. The following information will be included in Hewlett Packard Enterprise's Proxy Statement related to its 2025 Annual Meeting of Stockholders to be filed within 120A days after Hewlett Packard Enterprise's fiscal year end of OctoberA 31, 2024 (the A€œProxy StatementA€) and is incorporated herein by reference:A€¢Information regarding (i) directors of Hewlett Packard Enterprise, including those who are standing for reelection and any persons nominated to become directors of Hewlett Packard Enterprise and (ii) any family relationships between any director, executive officer, or person nominated to become a director or executive officer, is set forth under A€œOur BoardA€"Board Leadership StructureA€ and/or A€œProposals to be Voted OnA€"Proposal No.A 1A€"Election of Directors.A€¢A€¢Information regarding Hewlett Packard Enterprise's Audit Committee and designated A€œaudit committee financial expertsA€ is set forth under A€œOur BoardA€"Committees of the BoardA€"Audit Committee.A€¢A€¢Information regarding Hewlett Packard Enterprise's code of business conduct and ethics for directors, officers and employees, also known as the A€œStandards of Business Conduct,A€ and on Hewlett Packard Enterprise's Corporate Governance Guidelines is set forth under A€œGovernanceA€"Governance Documents.A€¢A€¢Information regarding Hewlett Packard Enterprise's Audit Committee is set forth under A€œOur BoardA€"Committees of the BoardA€"Audit CommitteeA€ and A€œAudit-Related MattersA€"Audit Committee Overview.A€ITEM 11. Executive Compensation.The following information will be included in the Proxy Statement and is incorporated herein by reference:A€¢Information regarding Hewlett Packard Enterprise's compensation of its named executive officers is set forth under A€œExecutive Compensation.A€¢A€¢Information regarding Hewlett Packard Enterprise's compensation of its directors is set forth under A€œOur BoardA€"Director Compensation and Stock Ownership Guidelines.A€¢A€¢Information regarding compensation committee interlocks and insider participation is set forth under A€œOur BoardA€"Committees of the BoardA€"CompensationA€"HR and Compensation CommitteeA€"Compensation Committee Interlocks and Insider Participation.A€¢A€¢The report of Hewlett Packard Enterprise's HR and Compensation Committee is set forth under A€œExecutive CompensationA€"HRC Committee Report on Executive Compensation.A€ITEM 12. Security Ownership of Certain Beneficial Owners and Management and Related Stockholder Matters.The following information will be included in the Proxy Statement and is incorporated herein by reference:A€¢Information regarding security ownership of certain beneficial owners, directors and executive officers is set forth under A€œGovernanceA€"Stock Ownership InformationA€"Common Stock Ownership of Certain Beneficial Owners and Management.A€¢A€¢Information regarding Hewlett Packard Enterprise's equity compensation plans, including both stockholder approved plans and non-stockholder approved plans, is set forth in the section entitled A€œEquity Compensation Plan Information.A€141Table of ContentsITEM 13. Certain Relationships and Related Transactions, and Director Independence.The following information will be included in the Proxy Statement and is incorporated herein by reference:A€¢Information regarding transactions with related persons is set forth under A€œGovernanceA€"Related Persons Transactions Policies and Procedures.A€¢A€¢Information regarding director independence is set forth under A€œGovernanceA€"Director Independence.A€ITEM 14. Principal Accounting Fees and Services.Information regarding principal accounting fees and services will be set forth under A€œProposals to be Voted OnA€"Proposal No. 2A€"Ratification of Independent Registered Public Accounting FirmA€"Principal Accounting Fees and ServicesA€ and A€œAudit-Related MattersA€"Report of the Audit Committee of the Board of DirectorsA€ in the Proxy Statement, which information is incorporated herein by reference.142Table of ContentsPART IVITEM 15. Exhibits, Financial Statement Schedules.(a)The following documents are filed as part of this report:1. All Financial Statements:The following financial statements are filed as part of this report under ItemA 8A€"A€œFinancial Statements and Supplementary Data.A€¢Report of Independent Registered Public Accounting Firm68Consolidated Statements of Earnings72Consolidated Statements of Comprehensive Income73Consolidated Balance Sheets74Consolidated Statements of Cash Flows75Consolidated Statements of Stockholders' Equity76Notes to Consolidated Financial Statements782. Financial Statement Schedules:All schedules are omitted as the required information is not applicable or the information is presented in the Consolidated Financial Statements and notes thereto in ItemA 8 above.3. Exhibits:A list of exhibits filed or furnished with this Annual Report on FormA 10-K (or incorporated by reference to exhibits previously filed or furnished by Hewlett Packard Enterprise) is provided in the accompanying Exhibit Index. Hewlett Packard Enterprise will furnish copies of exhibits for a reasonable fee (covering the expense of furnishing copies) upon request. Stockholders may request exhibits copies by contacting:Hewlett Packard Enterprise CompanyAttn: Investor Relations1701 E. Mossy Oaks RoadSpring, Texas 77389143Table of ContentsHEWLETT PACKARD ENTERPRISE COMPANY AND SUBSIDIARIESEXHIBIT INDEXA Incorporated by ReferenceExhibitNumberExhibit DescriptionFormFile No.Exhibit(s)Filing Date2.1Separation and Distribution Agreement, dated as of OctoberA 31, 2015, by and among Hewlett-Packard Company, Hewlett Packard Enterprise Company and the Other Parties Thereto8-K001-374832.1November 5, 20152.2Transition Services Agreement, dated as of NovemberA 1, 2015, by and between Hewlett-Packard Company and Hewlett Packard Enterprise Company8-K001-374832.2November 5, 20152.3Employee Matters Agreement, dated as of OctoberA 31, 2015, by and between Hewlett-Packard Company and Hewlett Packard Enterprise Company8-K001-374832.4November 5, 20152.4Real Estate Matters Agreement, dated as of OctoberA 31, 2015, by and between Hewlett-Packard Company and Hewlett Packard Enterprise Company8-K001-374832.5November 5, 20152.5Master Commercial Agreement, dated as of NovemberA 1, 2015, by and between Hewlett-Packard Company and Hewlett Packard Enterprise Company8-K001-374832.6November 5, 20152.6Information Technology Service Agreement, dated as of NovemberA 1, 2015, by and between Hewlett-Packard Company and HPA Enterprise Services.A LLC8-K001-374832.7November 5, 20152.7Agreement and Plan of Merger, dated as of MayA 24, 2016, by and among Hewlett Packard Enterprise Company, Everett SpinCo, Inc., Computer Sciences Corporation, and Everett Merger Sub, Inc.8-K001-374832.1May 26, 20162.8Separation and Distribution Agreement, dated as of MayA 24, 2016, by and between Hewlett Packard Enterprise Company and Everett SpinCo, Inc.8-K001-374832.2May 26, 20162.9Agreement and Plan of Merger, dated as of September 7, 2016, by and among Hewlett Packard Enterprise Company, Seattle SpinCo, Inc., Micro Focus International plc, Seattle Holdings, Inc. and Seattle MergerSub, Inc.8-K001-374832.1September 7, 20162.10Separation and Distribution Agreement, dated as of September 7, 2016, by and between Hewlett Packard Enterprise Company and Seattle SpinCo, Inc.8-K001-374832.2September 7, 20162.11First Amendment to the Agreement and Plan of Merger, dated as of November 2, 2016, by and among Hewlett Packard Enterprise Company, Everett SpinCo, Inc., New Everett Merger Sub Inc., Computer Sciences Corporation, and Everett Merger Sub, Inc.8-K001-374832.1November 2, 20162.12First Amendment to the Separation and Distribution Agreement, dated as of November 2, 2016, by and between Hewlett Packard Enterprise Company and Everett SpinCo, Inc.8-K001-374832.2November 2, 20162.13Agreement and Plan of Merger, dated as of March 6, 2017, by and among Hewlett Packard Enterprise Company, Nebraska Merger Sub.A Inc., and Nimble Storage, Inc.8-K001-3748399.1March 7, 20172.14Tender and Support Agreement, dated as of March 6, 2017, by and among Hewlett Packard Enterprise Company, Nebraska Merger Sub, Inc. and each of the persons set forth on Schedule A thereto8-K001-3748399.2March 7, 20172.15Tax Matters Agreement, dated March 31, 2017, by and among Hewlett Packard Enterprise Company, Everett SpinCo, Inc., and Computer Sciences Corporation8-K001-380332.2April 6, 20172.16IP Matters Agreement, dated March 31, 2017, by and between Hewlett Packard Enterprise Company, Hewlett Packard Enterprise Development LP, and Everett SpinCo, Inc.8-K001-380332.3April 6, 20172.1744Table of ContentsHEWLETT PACKARD ENTERPRISE COMPANY AND SUBSIDIARIESA Incorporated by ReferenceExhibitNumberExhibit DescriptionFormFile No.Exhibit(s)Filing Date2.17Transition Services Agreement, dated March 31, 2017, by and between Hewlett Packard Enterprise Company and Everett SpinCo, Inc.8-K001-380332.4April 6, 20172.18Real Estate Matters Agreement, dated March 31, 2017, by and between Hewlett Packard Enterprise Company and Everett SpinCo, Inc.8-K001-380332.5April 6,

17.19Fourth Amendment to the Separation and Distribution Agreement, dated March 31, 2017, by and between Hewlett Packard Enterprise Company and Everest SpinCo, Inc. 17.20Tax Matters Agreement, dated September 1, 2017, by and among Hewlett Packard Enterprise Company, Seattle SpinCo, Inc., and Micro Focus International plc 17.21Intellectual Property Matters Agreement, dated September 1, 2017, by and between Hewlett Packard Enterprise Company, Hewlett Packard Enterprise Development LP, and Seattle SpinCo, Inc. 17.22Transition Services Agreement, dated September 1, 2017, by and between Hewlett Packard Enterprise Company and Seattle SpinCo, Inc. 17.23Real Estate Matters Agreement, dated September 1, 2017, by and between Hewlett Packard Enterprise Company and Seattle SpinCo, Inc. 17.24Agreement and Plan of Merger, dated as of January 9, 2024, by and among Juniper Networks, Inc., Hewlett Packard Enterprise Company, and Jasmine Acquisition Sub, Inc. (certain schedules and exhibits omitted pursuant to Regulation S-K Item 601(a)(5)). 17.25Registration Statement, dated as of October 1, 2023, for the offering of the Registrant's Amended and Restated Certificate of Incorporation 8-K001-374833.1 November 5, 2015. 17.26Registrant's Second Amended and Restated Bylaws effective September 27, 2023. 17.27Certificate of Designation of Series A Junior Participating Redeemable Preferred Stock of Hewlett Packard Enterprise Company 8-K001-374833.1 March 20, 2017. 17.28Certificate of Designation of Series B Junior Participating Redeemable Preferred Stock of Hewlett Packard Enterprise Company 8-K001-374833.2 March 20, 2017. 17.29Registrant's Certificate of Amendment of the Amended and Restated Certificate of Incorporation 8-K001-374833.1 April 12, 2024. 17.30Registrant's Restated Certificate of Incorporation 8-K001-374833.2 April 12, 2024. 17.31Certificate of Designations of 7.625% Series C Mandatory Convertible Preferred Stock of Hewlett Packard Enterprise Company 8-K001-374833.1 September 13, 2024. 17.32Corrected Certificate of Designations of 7.625% Series C Mandatory Convertible Preferred Stock of Hewlett Packard Enterprise Company 8-K001-374833.1 September 13, 2024. 17.33Table of Contents HEWLETT PACKARD ENTERPRISE COMPANY AND SUBSIDIARIES A Incorporated by Reference Exhibit Number Exhibit Description Form File No. Exhibit(s) Filing Date 4.4 Seventh Supplemental Indenture, dated as of October 9, 2015, between Hewlett Packard Enterprise Company and The Bank of New York Mellon Trust Company, N.A., as Trustee, relating to Hewlett Packard Enterprise Company's 6.350% notes due 2045.8-K001-374834.8 October 13, 2015. 17.34Eighth Supplemental Indenture, dated as of July 17, 2020, between Hewlett Packard Enterprise Company and The Bank of New York Mellon Trust Company, N.A., as Trustee, relating to Hewlett Packard Enterprise Company's 1.750% notes due 2026.8-K001-374834.3 July 17, 2020. 17.35Ninth Supplemental Indenture, dated as of March 21, 2023, between Hewlett Packard Enterprise Company and The Bank of New York Mellon Trust Company, N.A., as Trustee, relating to Hewlett Packard Enterprise Company's 5.900% notes due 2024.8-K001-374834.2 March 21, 2023. 17.36Tenth Supplemental Indenture, dated as of March 21, 2023, between Hewlett Packard Enterprise Company and The Bank of New York Mellon Trust Company, N.A., as Trustee, relating to Hewlett Packard Enterprise Company's 6.102% notes due 2026.8-K001-374834.3 March 21, 2023. 17.37Eleventh Supplemental Indenture, dated as of June 14, 2023, between Hewlett Packard Enterprise Company and The Bank of New York Mellon Trust Company, N.A., as Trustee, relating to Hewlett Packard Enterprise Company's 5.250% notes due 2028.8-K001-374834.3 June 14, 2023. 17.38Twelfth Supplemental Indenture, dated as of September 26, 2024, between Hewlett Packard Enterprise Company and The Bank of New York Mellon Trust Company, N.A., as Trustee, relating to Hewlett Packard Enterprise Company's 4.450% notes due 2026.8-K001-374834.2 September 26, 2024. 17.39Thirteenth Supplemental Indenture, dated as of September 26, 2024, between Hewlett Packard Enterprise Company and The Bank of New York Mellon Trust Company, N.A., as Trustee, relating to Hewlett Packard Enterprise Company's 4.400% notes due 2027.8-K001-374834.3 September 26, 2024. 17.40Fourteenth Supplemental Indenture, dated as of September 26, 2024, between Hewlett Packard Enterprise Company and The Bank of New York Mellon Trust Company, N.A., as Trustee, relating to Hewlett Packard Enterprise Company's 4.550% notes due 2029.8-K001-374834.4 September 26, 2024. 17.41Fifteenth Supplemental Indenture, dated as of September 26, 2024, between Hewlett Packard Enterprise Company and The Bank of New York Mellon Trust Company, N.A., as Trustee, relating to Hewlett Packard Enterprise Company's 4.850% notes due 2031.8-K001-374834.5 September 26, 2024. 17.42Sixteenth Supplemental Indenture, dated as of September 26, 2024, between Hewlett Packard Enterprise Company and The Bank of New York Mellon Trust Company, N.A., as Trustee, relating to Hewlett Packard Enterprise Company's 5.000% notes due 2034.8-K001-374834.6 September 26, 2024. 17.43Seventeenth Supplemental Indenture, dated as of September 26, 2024, between Hewlett Packard Enterprise Company and The Bank of New York Mellon Trust Company, N.A., as Trustee, relating to Hewlett Packard Enterprise Company's 5.600% notes due 2054.8-K001-374834.7 September 26, 2024. 17.44Table of Contents HEWLETT PACKARD ENTERPRISE COMPANY AND SUBSIDIARIES A Incorporated by Reference Exhibit Number Exhibit Description Form File No. Exhibit(s) Filing Date 4.15 Registration Rights Agreement, dated as of October 9, 2015, by and among Hewlett Packard Enterprise Company, Hewlett-Packard Company, and the representatives of the initial purchasers of the Notes 8-K001-374834.12 October 13, 2015. 17.45Form of Subordinated Indenture between Hewlett Packard Enterprise Company and The Bank of New York Mellon Trust Company, N.A., as Trustee, 3ASR333-2221024.5 December 15, 2017. 17.46Form of 7.625% Series C Mandatory Convertible Preferred Stock (included in Exhibit 3.1 to the Registrant's Form 8-K filed on September 13, 2024, which is incorporated by reference) 8-K001-374833.1 September 13, 2024. 17.47Description of the Registrant's Securities Registered Pursuant to Section 12 of the Securities Exchange Act of 1934 8-K001-374833.1 October 13, 2015. 17.48Hewlett Packard Enterprise Company 2015 Stock Incentive Plan (amended and restated January 25, 2017) 8-K001-374831.1 January 30, 2017. 17.49Hewlett Packard Enterprise Company 2021 Stock Incentive Plan S-8333-2558394.4 May 6, 2021. 17.50Amendment No. 1 to the Hewlett Packard Enterprise Company 2021 Stock Incentive Plan S-8333-2653784.7 June 2, 2022. 17.51Amendment No. 2 to the Hewlett Packard Enterprise Company 2021 Stock Incentive Plan S-8333-2653784.7 June 2, 2022. 17.52Amendment No. 3 to the Hewlett Packard Enterprise Company 2021 Stock Incentive Plan S-8333-2653784.7 June 2, 2022. 17.53Hewlett Packard Enterprise Company 2015 Employee Stock Purchase Plan (as amended and restated on July 18, 2018, effective as of October 8, 2015) 10-K001-374831.29 September 4, 2018. 17.54Form of Restricted Stock Units Grant Agreement 10-K001-374831.30 September 4, 2018. 17.55Hewlett Packard Enterprise Executive Deferred Compensation Plan (as amended and restated December 1, 2018) 10-K001-374831.27 December 12, 2018. 17.56First Amendment to the Hewlett Packard Enterprise Company Severance and Long-Term Incentive Change in Control Plan for Executive Officers 10-K001-374831.29 December 12, 2018. 17.57BlueData Software Inc. 2012 Stock Incentive Plan S-8333-2294494.3 January 31, 2019. 17.58Cray Inc. 2013 Equity Incentive Plan (as amended and restated June 11, 2019) S-8333-2340334.3 October 1, 2019. 17.59Termination and Mutual Release Agreement dated as of October 30, 2019 by and between HP Inc. and Hewlett Packard Enterprise Company 10-K001-374831.31 December 13, 2019. 17.60Aircraft Time Sharing Agreement, dated as of December 13, 2019, between Hewlett Packard Enterprise and Antonio Neri 10-K001-374831.32 March 9, 2020. 17.61Silver Peak Systems, Inc. (fka Cheyenne Networks, Inc.) 2004 Stock Plan, as amended S-8333-2497314.4 October 29, 2020. 17.62Table of Contents HEWLETT PACKARD ENTERPRISE COMPANY AND SUBSIDIARIES A Incorporated by Reference Exhibit Number Exhibit Description Form File No. Exhibit(s) Filing Date 10.21 2021 Stock Incentive Plan 8-K001-374831.31 December 10, 2021. 17.63Five-Year Credit Agreement dated as of December 10, 2021 among Hewlett Packard Enterprise Company, the Lenders Party Hereto, JPMorgan Chase Bank, N.A., as Administrative Processing Agent and Co-Administrative Agent and Citibank, N.A., as Co-Administrative Agent 10-K001-374831.33 March 3, 2022. 17.642021 Stock Incentive Plan - Form of Performance-Adjusted Restricted Stock Units Grant Agreement (for grants beginning December 2022) 10-K001-374831.31 December 8, 2022. 17.652021 Stock Incentive Plan - Form of Non-Employee Director Restricted Stock Units Grant Agreement (for grants beginning April 2023) 10-K001-374831.32 June 2, 2023. 17.66OpsRamp, Inc. 2014 Equity Incentive Plan 10-K001-374831.33 June 2, 2023. 17.67Put Share Purchase Agreement, dated May 26, 2023, among H3C Holdings Limited, Izar Holding Co., and Unisplendour International Technology Limited (portions omitted pursuant to Regulation S-K Item 601(b)(10)(iv)) 10-K001-374831.34 June 2, 2023. 17.682021 Stock Incentive Plan - Form of Restricted Stock Units Grant Agreement (for grants beginning December 2023) 10-K001-374831.34 December 22, 2023. 17.692021 Stock Incentive Plan - Form of Performance-Adjusted Restricted Stock Units Grant Agreement (for grants beginning December 2023) 10-K001-374831.35 December 22, 2023. 17.70Amended and Restated Put Share Purchase Agreement, dated May 24, 2024, among H3C Holdings Limited, Izar Holding Co., and Unisplendour International Technology Limited (certain schedules, exhibits, and portions omitted pursuant to Regulation S-K Item 601(a)(5) and Item 601(b)(10)(iv)) 10-K001-374831.37 September 5, 2024. 17.71Agreement on Subsequent Arrangements, dated May 24, 2024, between H3C Holdings Limited and Unisplendour International Technology Limited (certain schedules, exhibits, and portions omitted pursuant to Regulation S-K Item 601(a)(5) and Item 601(b)(10)(iv)) 10-K001-374831.38 September 5, 2024. 17.72Amendment Agreement, dated as of June 18, 2024, amending the Five-Year Credit Agreement dated as of December 10, 2021 among Hewlett Packard Enterprise Company, the Lenders Party Hereto, JPMorgan Chase Bank, N.A., as Administrative Processing Agent and Co-Administrative Agent and Citibank, N.A., as Co-Administrative Agent (certain schedules and exhibits omitted pursuant to Regulation S-K Item 601(a)(5)) 10-K001-374831.39 September 5, 2024. 17.73Five-Year Credit Agreement, dated as of September 12, 2024, among Hewlett Packard Enterprise Company, the Borrowing Subsidiaries from time to time party thereto, the Lenders party thereto, JPMorgan Chase Bank, N.A., as Administrative Processing Agent and Co-Administrative Agent, and Citibank, N.A., as Co-Administrative Agent 8-K001-374831.1 September 12, 2024. 17.74Day-Term Loan Credit Agreement, dated as of September 12, 2024, among Hewlett Packard Enterprise Company, the Lenders party thereto, JPMorgan Chase Bank, N.A., as

[illegible]

be.â€œOpen of Businessâ€ means 9:00 a.m., New York City time.â€œParity Stockâ€ means any class or series of capital stock of the Corporation established after the Initial Issue Date, the terms of which expressly provide that such class or series shall rank on parity with the Mandatory Convertible Preferred Stock as to dividend rights and distribution rights upon the Corporationâ€™s liquidation, winding-up or dissolution.â€œPersonâ€ means any individual, partnership, firm, corporation, limited liability company, business trust, joint stock company, trust, unincorporated association, joint venture, governmental authority or other entity of whatever nature.â€œPreferred Stockâ€ shall have the meaning ascribed to such term in the Charter. -10-â€œPreferred Stock Directorsâ€ shall have the meaning set forth in Section 8(b)(i).â€œProspectus Supplementâ€ means the preliminary prospectus supplement dated September 9, 2024, relating to the offering and sale of the Mandatory Convertible Preferred Stock, as supplemented by the related pricing term sheet.â€œRecord Dateâ€ means, with respect to any dividend, distribution or other transaction or event in which the holders of the Common Stock (or other applicable security) have the right to receive any cash, securities or other property or in which the Common Stock (or such other security) is exchanged for or converted into any combination of cash, securities or other property, the date fixed for determination of holders of the Common Stock (or such other security) entitled to receive such cash, securities or other property (whether such date is fixed by the Board of Directors, or an authorized committee thereof, statute, contract or otherwise).â€œRecord Holderâ€ means, with respect to any Dividend Payment Date, a Holder of record of the Mandatory Convertible Preferred Stock as such Holder appears on the stock register of the Corporation at the Close of Business on the related Regular Record Date.â€œReference Amountâ€ means, for each share of Mandatory Convertible Preferred Stock, an amount equal to the sum of the following amounts:i.a number of shares of Common Stock equal to the Acquisition Termination Conversion Rate, plusii.cash in an amount equal to the Acquisition Termination Dividend Amount,provided that the Corporation may deliver cash in lieu of all or any portion of the Common Stock set forth in clause (i) above, and the Corporation may deliver shares of Common Stock in lieu of all or any portion of the cash amount set forth in clause (ii) above.â€œRegistrarâ€ initially means Equiniti Trust Company, LLC, the Corporationâ€™s duly appointed registrar for Mandatory Convertible Preferred Stock and any successor appointed under Section 17.â€œRegular Record Dateâ€ means, with respect to any Dividend Payment Date, the February 15, May 15, August 15 and November 15, as the case may be, immediately preceding the relevant Dividend Payment Date. These Regular Record Dates shall apply regardless of whether a particular Regular Record Date is a Business Day.â€œRelevant Stock Exchangeâ€ means NYSE or, if the Common Stock is not then listed on NYSE, on the principal other U.S. national or regional securities exchange on which the Common Stock is then listed or, if the Common Stock is not then listed on a U.S. national or regional securities exchange, on the principal other market on which the Common Stock is then listed or admitted for trading.â€œReorganization Common Stockâ€ shall have the meaning set forth in Section 16(i). -11-â€œReorganization Eventâ€ shall have the meaning set forth in Section 16.â€œReorganization Valuation Percentageâ€ for any Reorganization Event shall be equal to (x) the Average VWAP of one share of the relevant Reorganization Common Stock over the relevant Reorganization Valuation Period (determined as if references to â€œCommon Stockâ€ in the definition of â€œVWAPâ€ were references to the â€œReorganization Common Stockâ€ for such Reorganization Event), divided by (y) the Average VWAP of one share of Common Stock over the relevant Reorganization Valuation Period.â€œReorganization Valuation Periodâ€ for any Reorganization Event means the five consecutive Trading Day period immediately preceding, but excluding, the effective date for such Reorganization Event.â€œScheduled Trading Dayâ€ means any day that is scheduled to be a Trading Day.â€œSecurities Actâ€ means the Securities Act of 1933, as amended, and the rules and regulations thereunder.â€œSenior Stockâ€ means each class or series of capital stock of the Corporation established after the Initial Issue Date, the terms of which expressly provide that such class or series shall rank senior to the Mandatory Convertible Preferred Stock as to dividend rights or distribution rights upon the Corporationâ€™s liquidation, winding-up or dissolution.â€œSeries B Preferred Stockâ€ means the Series B Junior Participating Redeemable Preferred Stock, par value \$0.01 per share, of the Corporation.â€œSettlement Periodâ€ means the 20 consecutive Trading Day period beginning on, and including, the 21st Scheduled Trading Day immediately preceding September 1, 2027.â€œShelf Registration Statementâ€ means a shelf registration statement filed with the Securities and Exchange Commission in connection with the issuance of, or for resales of, shares of Common Stock issued as payment of a dividend on shares of the Mandatory Convertible Preferred Stock, including dividends paid in connection with a conversion.â€œSpin-Offâ€ means a payment of a dividend or other distribution on the Common Stock of shares of capital stock of any class or series, or similar equity interest, of or relating to a Subsidiary or other business unit of the Corporation that are, or, when issued, will be, listed or admitted for trading on a U.S. national securities exchange.â€œSubsidiaryâ€ means, with respect to any Person, any corporation, association, partnership or other business entity of which more than 50% of the total voting power of shares of capital stock or other interests (including partnership interests) entitled (without regard to the occurrence of any contingency) to vote in the election of directors, managers, general partners or trustees thereof is at the time owned or controlled, directly or indirectly, by (i) such Person¼ (ii) such Person and one or more Subsidiaries of such Person¼ or (iii) one or more Subsidiaries of such Person.-12-â€œThreshold Appreciation Priceâ€ means \$50.00, divided by the Minimum Conversion Rate, which quotient is initially equal to approximately \$19.72. â€œTrading Dayâ€ means a day on which (i) there is no Market Disruption Event and (ii)A trading in Common Stock generally occurs on the Relevant Stock Exchange¼ provided that if the Common Stock is not listed or admitted for trading, â€œTrading Dayâ€ means any Business Day.â€œTransfer Agentâ€ shall initially mean Equiniti Trust Company, LLC, the Corporationâ€™s duly appointed transfer agent for Mandatory Convertible Preferred Stock and any successor appointed under Section 17.â€œTrigger Eventâ€ shall have the meaning set forth in Section 15(a)(iii).â€œUnit of Exchange Propertyâ€ shall have the meaning set forth in Section 16. â€œValuation Periodâ€ shall have the meaning set forth in Section 15(a)(iii).â€œVoting Preferred Stockâ€ means any other class or series of Parity Stock upon which like voting powers for the election of directors as set forth in Section 8 have been conferred and are exercisable.â€œVWAPâ€ per share of Common Stock on any Trading Day means the per share volume-weighted average price as displayed on Bloomberg page â€œHPEAQRAâ€ (or its equivalent successor if such page is not available) in respect of the period from the scheduled open of trading until the scheduled close of trading of the primary trading session on such Trading Day (or if such volume-weighted average price is not available, the market value per share of Common Stock on such Trading Day as determined, using a volume-weighted average method, by a nationally recognized independent investment banking firm retained by the Corporation for this purpose).â€œWholly-Owned Subsidiaryâ€ means, with respect to any Person, any Subsidiary of such Person, except that, solely for purposes of this definition, the reference to â€œmore than 50%â€ in the definition of â€œSubsidiaryâ€ shall be deemed to be replaced by a reference to â€œ100%â€.Section 4.Dividends.(a)Rate. Subject to the rights of holders of any class or series of Senior Stock, Holders shall be entitled to receive, when, as and if declared by the Board of Directors, or an authorized committee thereof, out of funds of the Corporation legally available for payment, cumulative dividends at the rate per annum of 7.625% on the Liquidation Preference per share of the Mandatory Convertible Preferred Stock (the â€œDividend Rateâ€) (equivalent to \$3.81 per annum per share), payable in cash, by delivery of shares of Common Stock or through any combination of cash and shares of Common Stock pursuant to Section 4(c), as determined by the Board of Directors, or an authorized committee thereof, in its sole discretion (subject to the limitations set forth in Section 4(e)).If declared, dividends on the Mandatory Convertible Preferred Stock shall be payable quarterly on each Dividend Payment Date at such annual rate, and dividends shall accumulate -13-from the most recent date as to which dividends shall have been paid or, if no dividends have been paid, from the Initial Issue Date, whether or not in any Dividend Period or Dividend Periods there have been funds legally available or shares of Common Stock legally permitted to be issued for the payment of such dividends.If declared, dividends shall be payable on the relevant Dividend Payment Date to Record Holders on the immediately preceding Regular Record Date, whether or not such Record Holders convert their shares of Mandatory Convertible Preferred Stock, or such shares are automatically converted, after such Regular Record Date and on or prior to such immediately succeeding Dividend Payment Date¼ provided that the Regular Record Date for any such dividend shall not precede the date on which such dividend was so declared. If a Dividend Payment Date is not a Business Day, payment shall be made on the next succeeding Business Day, without any interest or other payment in lieu of interest accruing with respect to this delay.The amount of dividends payable on each share of Mandatory Convertible Preferred Stock for each full Dividend Period (subsequent to the initial Dividend Period) shall be computed by dividing the Dividend Rate by four. Dividends payable on Mandatory Convertible Preferred Stock for the initial Dividend Period and any partial Dividend Period shall be computed based upon the actual number of days elapsed during such period over a 360-day year (consisting of twelve 30-day months). Accumulated dividends on shares of the Mandatory Convertible Preferred Stock shall not bear interest, nor shall additional dividends be payable thereon, if they are paid subsequent to the applicable Dividend Payment Date.No dividend shall be paid unless and until the Board of Directors, or an authorized committee thereof, declares a dividend payable with respect to the Mandatory Convertible Preferred Stock. No dividend shall be declared or paid upon, or any sum of cash or number of shares of Common Stock set apart for the payment of dividends upon, any outstanding shares of Mandatory Convertible Preferred Stock with respect to any Dividend Period unless all dividends for all preceding Dividend Periods have been declared and paid upon, or a sufficient sum of cash or number of shares of Common Stock has been set apart for the payment of such dividends upon, all outstanding shares of Mandatory Convertible Preferred Stock.Holders shall not be entitled to any dividends on Mandatory Convertible Preferred Stock, whether payable in cash, property or shares of Common Stock, in excess of full cumulative dividends.Except as described in this Section 4(a), dividends on shares of Mandatory Convertible Preferred Stock converted to Common Stock shall cease to accumulate, and all other rights of Holders will terminate, from and after the applicable Conversion Date (other than the right to receive the consideration due upon such conversion as described herein).(b)Priority of Dividends. So long as any share of Mandatory Convertible Preferred Stock remains outstanding, no dividend or distribution shall be declared or paid on the Common Stock or any other class or series of Junior Stock, and no Common Stock or any other class or series of Junior Stock or Parity Stock shall be, directly or indirectly, purchased, redeemed or otherwise acquired for consideration by the Corporation or any of its Subsidiaries unless, in each case, all accumulated and unpaid dividends for all preceding Dividend Periods have been -14-declared and paid in full in cash, shares of the Common Stock or a combination thereof, or a sufficient sum of cash or number of shares of the Common Stock has been set apart for the payment of such dividends, on all outstanding shares of Mandatory Convertible Preferred Stock. The foregoing limitation shall not apply to:(i)any dividend or distribution payable in shares of Common Stock or other Junior Stock, together with cash in lieu of any fractional share¼(ii)purchases, redemptions or other acquisitions of Common Stock or other Junior Stock or Parity Stock in connection with the administration of any benefit or other incentive plan, including any employment or compensation agreement, including, without limitation, (x) the forfeiture of unvested shares of restricted stock or share withholding or other acquisitions or surrender of shares or derivative securities to which the holder may otherwise be entitled upon exercise, delivery or vesting of equity awards (whether in payment of applicable taxes, the exercise price or otherwise), and (y) the payment of cash in lieu of fractional shares¼(iii)purchases or deemed purchases or acquisitions of fractional interests in shares of any Common Stock or other Junior Stock pursuant to the conversion or exchange provisions of such shares of other Junior Stock or any securities exchangeable for or convertible into shares of Common Stock or other Junior Stock¼(iv)any dividends or distributions of rights or Common Stock or other Junior Stock in connection with a stockholdersâ€™ rights plan or any redemption or repurchase of rights pursuant to any stockholdersâ€™ rights plan¼(v)purchases of Common Stock or other Junior Stock pursuant to a contractually binding requirement to buy Common Stock or other Junior Stock, including under a contractually binding stock repurchase plan, in each case, existing prior to the date of the Prospectus Supplement¼(vi)the acquisition by the Corporation or any of its Subsidiaries of record ownership in Common Stock or other Junior Stock or Parity Stock for the beneficial ownership of any other persons (other than the Corporation or any of its Subsidiaries), including as trustees or custodians, and the payment of cash in lieu of fractional shares¼ (vii)the exchange or conversion of Junior Stock for or into other Junior Stock or of Parity Stock for or into other Parity Stock (with the same or lesser aggregate liquidation preference) or Junior Stock and the payment of cash in lieu of fractional shares; and(viii)the settlement of any convertible note hedge transactions or capped call transactions entered into in connection with the issuance of Mandatory Convertible Preferred Stock, by the Corporation or any of its subsidiaries, of any debt securities that are convertible into, or exchangeable for, Common Stock (or into or for any combination of cash and Common Stock based on the value of Common Stock); provided that such convertible note hedge transactions or capped call transactions, as applicable, are on customary terms and were entered into either (a) before the Initial Issue Date or (b) in compliance with the foregoing provision.When dividends on shares of the Mandatory Convertible Preferred Stock (i) have not been declared and paid in full on any Dividend Payment Date (or, in the case of Parity Stock having dividend payment dates different from such Dividend Payment Dates, on a dividend -15-payment date falling within a regular dividend period related to such Dividend Payment Date), or (ii)A have been declared but a sum of cash or number of shares of Common Stock sufficient for payment thereof has not been set aside for the benefit of the Holders thereof on the applicable Regular Record Date, no dividends may be declared or paid on any shares of Parity Stock unless dividends are declared on the shares of Mandatory Convertible Preferred Stock such that the respective amounts of such dividends declared on the shares of Mandatory Convertible Preferred Stock and such shares of Parity Stock shall be allocated pro rata among the Holders of the shares of the Mandatory Convertible Preferred Stock and the holders of any shares of Parity Stock then outstanding. For purposes of calculating the pro rata allocation of partial dividend payments, the Corporation shall allocate those payments so that the respective amounts of those payments for the declared dividend bear the same ratio to each other as all accumulated and unpaid dividends per share on the shares of Mandatory Convertible Preferred Stock and all declared and unpaid dividends per share on such shares of Parity Stock bear to each other (subject to their having been declared by the Board of Directors, or an authorized committee thereof, out of legally available funds)¼ provided that any unpaid dividends on the Mandatory Convertible Preferred Stock will continue to accumulate, except as described herein. For purposes of this calculation, with respect to non-cumulative Parity Stock, the Corporation shall use the full amount of dividends that would be payable for the most recent dividend period if dividends were declared in full on such non-cumulative Parity Stock.Subject to the foregoing, and not otherwise, such dividends as may be determined by the Board of Directors, or an authorized committee thereof, may be declared and paid (payable in cash, securities or other property) on any securities, including Common Stock and other Junior Stock, from time to time out of any funds legally available for such payment, and Holders shall not be entitled to participate in any such dividends.(c)Method of Payment of Dividends. (i) Subject to the limitations set forth in Section 4(e), the Corporation may pay any declared dividend (or any portion of any declared dividend) on the shares of Mandatory Convertible Preferred Stock (whether or not for a current Dividend Period or any prior Dividend Period, including in connection with the payment of declared and unpaid dividends pursuant to Section 9(c) or Section 11), as determined in the sole discretion of the Board of Directors, or an authorized committee thereof:(A)in cash¼(B)by delivery of shares of Common Stock¼ or (C)through any combination of cash and shares of Common Stock.(ii) The Corporation shall make each payment of a declared dividend on the shares of Mandatory Convertible Preferred Stock in cash, except to the extent the Corporation elects to make all or any portion of such payment in shares of Common Stock. The Corporation shall give notice to Holders of any such election, and the portion of such payment that will be made in cash and the portion that will be made in shares of Common Stock, no later than 10 Scheduled Trading Days prior to the Dividend Payment Date for such dividend¼ provided, however, that if the Corporation does not provide timely notice of this election, the Corporation will be deemed to have elected to pay the relevant dividend in cash.-16-(iii) All cash payments to which a Holder is entitled in connection with a declared dividend on the shares of Mandatory Convertible Preferred Stock will be rounded to the nearest cent. If the Corporation elects to make any such payment of a declared dividend, or any portion thereof, in shares of Common Stock, such shares shall be valued for such purpose, in the case of any dividend payment or portion thereof, at 97% of the Average VWAP per share of Common Stock over the five consecutive Trading Day period beginning on, and including, the sixth Scheduled Trading Day prior to the applicable Dividend Payment Date (such average, the â€œAverage Priceâ€). If the five Trading Day period to determine the Average Price ends on or after the relevant Dividend Payment Date (whether because a Scheduled Trading Day is not a Trading Day due to the occurrence of a Market Disruption Event or otherwise), then the Dividend Payment Date will be postponed until the second Business Day after the final Trading Day of such five Trading Day period¼ provided that no interest or other amounts shall accrue as a result of such postponement.(d)No fractional shares of Common Stock shall be delivered to the Holders in payment or partial payment of a dividend. The Corporation shall instead, to the extent it is legally permitted to do so, pay a cash amount (computed to the nearest cent) to each Holder that would otherwise be entitled to receive a fraction of a share of Common Stock based on the Average Price with respect to such dividend. To the extent that the Corporation is not able to pay such fractional amount in cash under applicable law and in compliance with its indebtedness, the Corporation shall instead round up to the nearest whole share for each Holder, and the Corporation shall not have any obligation to pay such amount in cash and such amount shall not form a part of the cumulative dividends that may be deemed to accumulate on the shares of Mandatory Convertible Preferred Stock.(e)Notwithstanding the foregoing, in no event shall the number of shares of Common Stock to be delivered in connection with any declared dividend, including any declared dividend payable in connection with a conversion, exceed a number equal to:(i)the declared dividend, divided by(ii)\$5.64, subject to adjustment in a manner inversely proportional to any anti-dilution adjustment to each Fixed Conversion Rate as provided in Section 15 (such dollar amount, as adjusted, the â€œFloor Priceâ€). To the extent that the amount of any declared dividend exceeds the product of (x) the number of shares of Common Stock delivered in connection with such declared

dividend and (y) 97% of the Average Price, the Corporation shall, if it is legally able to do so, and to the extent permitted under the terms of the documents governing the Corporation's indebtedness, notwithstanding any notice by the Corporation to the contrary, pay such excess amount in cash (computed to the nearest cent). To the extent that the Corporation is not able to pay such excess amount in cash under applicable law and in compliance with its indebtedness, the Corporation shall not have any obligation to pay such amount in cash or deliver additional shares of Common Stock in respect of such amount, and such amount shall not form a part of the cumulative dividends that may be deemed to accumulate on the shares of Mandatory Convertible Preferred Stock.(f)To the extent that a Shelf Registration Statement is required in the Corporation's reasonable judgment in connection with the issuance of, or for resales of, Common Stock issued as payment of a dividend on the shares of Mandatory Convertible Preferred Stock, including -17-dividends paid in connection with a conversion, the Corporation shall, to the extent such a Shelf Registration Statement is not currently filed and effective, use its commercially reasonable efforts to file and maintain the effectiveness of such a Shelf Registration Statement until the earlier of such time as all such shares of Common Stock have been resold thereunder and such time as all such shares would be freely tradable without registration by holders thereof that are not (and were not at any time during the preceding three months) affiliates of the Corporation for purposes of the Securities Act. To the extent applicable, the Corporation shall also use its commercially reasonable efforts to have such shares of the Common Stock approved for listing on NYSE (or if the Common Stock is not listed on NYSE, on the principal other U.S. national or regional securities exchange on which the Common Stock is then listed), and qualified or registered under applicable state securities laws, if required provided that the Corporation will not be required to qualify as a foreign corporation or to take any action that would subject it to general service of process in any such jurisdiction where it is not presently qualified or where it is not presently subject to taxation as a foreign corporation and such qualification or action would subject it to such taxation.Section 5.Liquidation, Dissolution or Winding-Up.(a)In the event of any voluntary or involuntary liquidation, winding-up or dissolution of the Corporation, each Holder shall be entitled to receive, per share of Mandatory Convertible Preferred Stock, the Liquidation Preference of \$50.00 per share of the Mandatory Convertible Preferred Stock, plus an amount (the "Liquidation Dividend Amount") equal to accumulated and unpaid dividends on such share, whether or not declared, to, but excluding, the date fixed for liquidation, winding-up or dissolution, such amount to be paid out of the assets of the Corporation legally available for distribution to its stockholders, after satisfaction of debt and other liabilities owed to the Corporation's creditors and holders of shares of any Senior Stock and before any payment or distribution is made to holders of any Junior Stock, including, without limitation, Common Stock.(b)If, upon the voluntary or involuntary liquidation, winding-up or dissolution of the Corporation, the amounts payable with respect to (1) the Liquidation Preference plus the Liquidation Dividend Amount on the shares of the Mandatory Convertible Preferred Stock and (2) the liquidation preference of, and the amount of accumulated and unpaid dividends (to, but excluding, the date fixed for liquidation, winding-up or dissolution) on, all Parity Stock, if applicable, are not paid in full, the Holders and all holders of any such Parity Stock shall share equally and ratably in any distribution of the Corporation's assets in proportion to their respective liquidation preferences and amounts equal to the accumulated and unpaid dividends to which they are entitled.(c)After the payment to any Holder of the full amount of the Liquidation Preference and the Liquidation Dividend Amount for such Holder's shares of Mandatory Convertible Preferred Stock, such Holder as such shall have no right or claim to any of the remaining assets of the Corporation.(d)Neither the sale, lease nor exchange of all or substantially all of Corporation's assets or business (other than in connection with the Corporation's liquidation, winding-up or dissolution), nor its merger or consolidation into or with any other Person, shall be deemed to be the voluntary or involuntary liquidation, winding-up or dissolution of the Corporation.Section 6.No Redemption or Sinking Fund.Other than pursuant to Section 7, the Mandatory Convertible Preferred Stock shall not be subject to any redemption rights, sinking fund or other similar provisions. Notwithstanding the foregoing, the Corporation may, at its option, purchase or exchange the Mandatory Convertible Preferred Stock from time to time in the open market, by tender or exchange offer or otherwise, without the consent of, or notice to, Holders on such terms as the Holder thereof and the Corporation may agree.Section 7.Acquisition Termination Redemption.(a)If (x) the consummation of the Juniper Acquisition does not occur on or before the later of (i) the date that is five business days after October 9, 2025 and (ii) the date that is five business days after any later date to which Juniper and the Corporation may agree to extend the "End Date" in the Merger Agreement, or (y) the Corporation notifies Holders in writing that the Corporation will not pursue the consummation of the Juniper Acquisition, then the Corporation may, within 75 calendar days, at its option, give notice of a redemption (an "Acquisition Termination Redemption") to Holders; provided that to the extent Mandatory Convertible Preferred Stock is held in book-entry form through DTC, the Corporation may give such notice in any manner permitted by the DTC. If the Corporation provides notice of Acquisition Termination Redemption to Holders, then, on the Acquisition Termination Redemption Date, the Corporation will redeem the Mandatory Convertible Preferred Stock, in whole but not in part, at a redemption amount per Mandatory Convertible Preferred Stock equal to the Acquisition Termination Make-Whole Amount.(b)If the Acquisition Termination Share Price exceeds the Initial Price:(i)the Corporation may elect to pay cash in lieu of delivering all or any portion of the Common Stock equal to the Acquisition Termination Conversion Rate. If the Corporation makes such an election, it will deliver cash (rounded to the nearest cent) in an amount equal to such Common Stock in respect of which it has made this election multiplied by the Acquisition Termination Market Value, and (ii)the Corporation may elect to deliver Common Stock in lieu of paying cash for some or all of the Acquisition Termination Dividend Amount. A A A If the Corporation makes such an election, it will deliver such number of shares of Common Stock equal to such portion of the Acquisition Termination Dividend Amount to be paid in Common Stock divided by the greater of (x) the Floor Price and (y) 97% of the Acquisition Termination Market Value; provided, that if the Acquisition Termination Dividend Amount or portion thereof in respect of which Common Stock is delivered exceeds the product of Common Stock multiplied by 97% of the Acquisition Termination Market Value, the Corporation will, if it is legally able to do so, and to the extent permitted under the terms of the documents governing its indebtedness, pay such excess amount in cash (computed to the nearest cent). To the extent that the Corporation is not able to pay such excess amount in cash under applicable law and in compliance with the terms of its indebtedness, the Corporation shall not have any obligation to pay such amount in cash or deliver additional shares of Common Stock in respect of such amount, and such amount will not form a part of the cumulative dividends that may be deemed to accumulate on the shares of the Mandatory Convertible Preferred Stock.(c)If any portion of the Acquisition Termination Make-Whole Amount is to be paid in Common Stock, no fractional shares will be delivered to Holders. The Corporation will instead pay a cash adjustment to each Holder that would otherwise be entitled to a fractional share based on the Average VWAP per ordinary share over the five consecutive Trading Day -19-period ending on, and including, the Trading Day immediately preceding the Acquisition Termination Redemption Date. If more than one share of Mandatory Convertible Preferred Stock is to be redeemed from a Holder, the number of shares of Common Stock issuable in connection with the payment of the Reference Amount shall be computed on the basis of the aggregate number of Mandatory Convertible Preferred Stock so redeemed.(d)Notice of Acquisition Termination Redemption will specify, among other things:(i)the Acquisition Termination Make-Whole Amount;(ii)if the Acquisition Termination Share Price exceeds the Initial Price, the number of shares of Common Stock and the amount of cash comprising the Reference Amount per Mandatory Convertible Preferred Stock (before giving effect to any election to pay or deliver, with respect to each Mandatory Convertible Preferred Stock, cash in lieu of all or a portion of the Common Stock equal to the Acquisition Termination Conversion Rate or Common Stock in lieu of some or all of the cash in respect of the Acquisition Termination Dividend Amount);(iii)if the Acquisition Termination Share Price exceeds the Initial Price, whether the Corporation will pay cash in lieu of Common Stock equal to the Acquisition Termination Conversion Rate comprising a portion of the Reference Amount (specifying, if applicable, the number of such shares of Common Stock in respect of which cash will be paid);(iv)if the Acquisition Termination Share Price exceeds the Initial Price, whether the Corporation will deliver Common Stock in lieu of paying cash for all or any portion of the Acquisition Termination Dividend Amount comprising a portion of the Reference Amount (specifying, if applicable, the percentage of the Acquisition Termination Dividend Amount in respect of which Common Stock will be delivered in lieu of cash); and(v)the Acquisition Termination Redemption Date (specifying, as applicable, a fixed date or that the Acquisition Termination Redemption Date will be the second Business Day following the last Trading Day of the 20 consecutive Trading Day period used to determine the Acquisition Termination Market Value).(e)To the extent a shelf registration statement is required in the Corporation's reasonable judgment in connection with the issuance of, or for resales of, Common Stock issued as payment of the Acquisition Termination Make-Whole Amount, the Corporation shall, to the extent such a Shelf Registration Statement is not currently filed and effective, use its commercially reasonable efforts to file and maintain the effectiveness of such a Shelf Registration Statement until the earlier of such time as all such shares of Common Stock have been resold thereunder and such time as all such shares would be freely tradable without registration by holders thereof that are not (and were not at any time during the preceding three months) affiliates of the Corporation for purposes of the Securities Act. To the extent applicable, the Corporation shall also use its commercially reasonable efforts to have such shares of the Common Stock approved for listing on NYSE (or if the Common Stock is not listed on NYSE, on the principal other U.S. national or regional securities exchange on which the Common Stock is then listed), and qualified or registered under applicable state securities laws, if required provided that the Corporation will not be required to qualify as a foreign corporation or to take any action that would subject it to general service of process in any such jurisdiction where it is not presently qualified or where it is not presently subject to taxation as a foreign corporation and such qualification or action would subject it to such taxation.-20-Section 8.Voting Power.(a)General. Holders shall not have any voting rights or powers other than those set forth in this Section 8, except as specifically required by Delaware law or by the Charter from time to time.(b)Right to Elect Two Directors Upon Nonpayment. (i) Whenever dividends on any shares of the Mandatory Convertible Preferred Stock have not been declared and paid for the equivalent of six or more Dividend Periods, whether or not for consecutive Dividend Periods (a "Nonpayment"), the authorized number of directors on the Board of Directors shall, at the Corporation's next annual meeting of the stockholders or at a special meeting of stockholders as provided below, automatically be increased by two and Holders, voting together as a single class with holders of any and all other series of Voting Preferred Stock then outstanding, shall be entitled, at the Corporation's next annual meeting of stockholders or at a special meeting of stockholders, if any, as provided below, to vote for the election of a total of two additional members of the Board of Directors (the "Preferred Stock Directors") provided, that the election of any such Preferred Stock Directors will not cause the Corporation to violate the corporate governance requirements of NYSE (or any other exchange or automated quotation system on which the Corporation's securities may be listed or quoted) that requires listed or quoted companies to have a majority of independent directors provided further that the Board of Directors shall, at no time, include more than two Preferred Stock Directors.(ii) In the event of a Nonpayment, the Holders of at least 25% of the shares of the Mandatory Convertible Preferred Stock and holders of record of any other series of Voting Preferred Stock may request that a special meeting of stockholders be called to elect such Preferred Stock Directors (provided, that if the next annual or a special meeting of stockholders is scheduled to be held within 90 days of the receipt of such request, the election of such Preferred Stock Directors, to the extent otherwise permitted by the Bylaws, shall, instead, be included in the agenda for, and shall be held at, such scheduled annual or special meeting of stockholders). The Preferred Stock Directors shall stand for reelection annually, at each subsequent annual meeting of the stockholders, so long as the Holders continue to have such voting powers. At any meeting at which the Holders are entitled to elect Preferred Stock Directors, the holders of record of a majority in voting power of the then outstanding shares of Mandatory Convertible Preferred Stock and all other series of Voting Preferred Stock, present in person or represented by proxy, shall constitute a quorum and the vote of the holders of a majority in voting power of such shares of Mandatory Convertible Preferred Stock and other Voting Preferred Stock so present or represented by proxy at any such meeting at which there shall be a quorum shall be sufficient to elect the Preferred Stock Directors.(iii) If and when all accumulated and unpaid dividends on the Mandatory Convertible Preferred Stock have been paid in full, or declared and a sum or number of shares of the Common Stock sufficient for such payment shall have been set aside for the benefit of the Holders thereof on the applicable Regular Record Date (a "Nonpayment Remedy"), the Holders shall immediately and, without any further action by the Corporation, be divested of the voting powers described in this Section 8(b), subject to the revesting of such powers in the event of each subsequent Nonpayment. If such voting powers for the Holders and all other holders of Voting Preferred Stock shall have terminated, each Preferred Stock Director then in office shall automatically be disqualified as a director and shall no longer be a director and the term of office of each Preferred Stock Director so elected shall terminate at such time and the authorized number of directors on the Board of Directors shall automatically decrease by two.-21-(iv) Any Preferred Stock Director may be removed at any time, with or without cause, by the holders of record of a majority in voting power of the outstanding shares of the Mandatory Convertible Preferred Stock and any other series of Voting Preferred Stock then outstanding (voting together as a single class), when they have the voting powers described in this Section 8(b). In the event that a Nonpayment shall have occurred and there shall not have been a Nonpayment Remedy, any vacancy in the office of a Preferred Stock Director (other than prior to the initial election of Preferred Stock Directors after a Nonpayment) may be filled by the written consent of the Preferred Stock Director remaining in office, except that in the event that such vacancy is created as a result of such Preferred Stock Director being removed, or if no Preferred Stock Director remains in office, then such vacancy may be filled by a vote of the holders of record of a majority in voting power of the outstanding shares of the Mandatory Convertible Preferred Stock and any other series of Voting Preferred Stock then outstanding (voting together as a single class) when they have the voting powers described in this Section 8(b) provided, however, that the election of any such Preferred Stock Directors to fill such vacancy will not cause the Corporation to violate the corporate governance requirements of NYSE (or any other exchange or automated quotation system on which the Corporation's securities may be listed or quoted) that requires listed or quoted companies to have a majority of independent directors. The Preferred Stock Directors shall each be entitled to one vote per director on any matter that shall come before the Board of Directors for a vote.(c)Other Voting Powers. So long as any shares of the Mandatory Convertible Preferred Stock are outstanding, the Corporation shall not, without the affirmative vote or consent of the holders of record of at least two-thirds in voting power of the outstanding shares of the Mandatory Convertible Preferred Stock and all other series of Voting Preferred Stock at the time outstanding and entitled to vote thereon (subject to the last paragraph of this Section 8(c)), voting together as a single class, given in person or by proxy, either by written consent without a meeting or by vote at an annual or special meeting of such stockholders:(i)amend or alter the provisions of the Charter so as to authorize or create, or increase the authorized number of, any class or series of Senior Stock;(ii)amend, alter or repeal any provision of the Charter or this Certificate of Designations so as to materially and adversely affect the special rights, preferences or voting powers of the Mandatory Convertible Preferred Stock;(iii)consummate a binding share exchange or reclassification involving the shares of the Mandatory Convertible Preferred Stock, a merger or consolidation of the Corporation with another entity or a conversion of the Corporation or domestication in or transfer to a foreign jurisdiction, unless in each case: (A) the shares of the Mandatory Convertible Preferred Stock remain outstanding following the consummation of such binding share exchange, reclassification, merger or consolidation or, in the case of (x) A any such merger or consolidation with respect to which the Corporation is not the surviving or resulting entity (or the Mandatory Convertible Preferred Stock is otherwise exchanged or reclassified) or (y) any such conversion, domestication or transfer, are converted or reclassified into or exchanged for preference securities of the surviving or resulting entity, of the converted, domesticated or transferred entity or, in either case, such entity's ultimate parent and (B) the shares of the Mandatory Convertible Preferred Stock that remain outstanding or such shares of preference securities, as the case may be, have such rights, preferences and voting powers that, taken as a whole, are not materially less favorable to the holders thereof than the rights, preferences and voting powers, taken as a whole, of the Mandatory Convertible Preferred Stock immediately prior to the consummation of such transaction; 22-provided, however, that in the event a transaction would trigger voting powers under clauses (ii) and (iii) above, clause (iii) shall govern; 23-provided, further, however, that for all purposes of this Section 8(c):(1) any increase in the number of the Corporation's authorized but unissued shares of Preferred Stock,(2) any increase in the number of the authorized or issued shares of Mandatory Convertible Preferred Stock, (3) the creation and issuance, or increase in the authorized or issued number, of any class or series of Parity Stock or Junior Stock, and(4) the applicable of the provisions described in Section 16, shall be deemed not to adversely affect (or to otherwise cause to be materially less favorable) the rights, preferences or voting powers of the Mandatory Convertible Preferred Stock and shall not require the affirmative vote or written consent under this Section 8(c). If any amendment, alteration, repeal, share exchange, reclassification, merger or consolidation or conversion, domestication or transfer specified in this Section 8(c) would adversely affect the rights, preferences or voting powers of one or more but not all series of Voting Preferred Stock (including the Mandatory Convertible Preferred Stock for this purpose), then only the series of Voting Preferred Stock the rights, preferences or voting powers of which are adversely affected and entitled to vote shall vote as a class in lieu of all series of Voting Preferred Stock.(d)Without the vote or consent of the Holders, so long as such action does not adversely affect the special rights, preferences or voting powers of the Mandatory Convertible Preferred Stock, and limitations and restrictions thereof, the Corporation may amend, alter, correct, supplement or repeal any terms of the Mandatory Convertible Preferred Stock by amending or supplementing the Charter or the Certificate of Designations for the following purposes:(i)to cure any ambiguity, omission, inconsistency or mistake in any such agreement (including any provision contained in this Certificate of Designations

that may be defective or inconsistent with any other provision contained in this Certificate of Designations) (ii) to make any provision with respect to matters or questions relating to the Mandatory Convertible Preferred Stock that is not inconsistent with the provisions of the Charter or this Certificate of Designations) (iii) to waive any of the Corporation's rights with respect to the Mandatory Convertible Preferred Stock; or (iv) to make any other change that does not materially and adversely affect the rights of any Holder (other than any Holder that consents to such change). In addition, without the consent of the Holders, the Corporation may amend, alter, supplement or repeal any terms of the Mandatory Convertible Preferred Stock in order to -23-(x)A conform the terms thereof to the description of the terms of the Mandatory Convertible Preferred Stock set forth under "Description of Mandatory Convertible Preferred Stock" in the Prospectus Supplement or (y) file a certificate of correction with respect to this Certificate of Designations to the extent permitted by Section 103(f) of the Delaware General Corporation Law. (e) Prior to the Close of Business on the applicable Conversion Date, the shares of Common Stock issuable upon conversion of any shares of the Mandatory Convertible Preferred Stock shall not be deemed to be outstanding for any purpose and Holders shall have no rights, powers or preferences with respect to such shares of Common Stock, including voting powers, rights to respond to tender offers for the Common Stock and rights to receive any dividends or other distributions on the Common Stock, by virtue of holding the Mandatory Convertible Preferred Stock. (f) In connection with any vote expressly set forth in this Section 8, the number of votes that each share of Mandatory Convertible Preferred Stock (and any Voting Preferred Stock participating in the votes set forth in this Section 8) shall have shall be equal to the respective per share liquidation preference amounts of the Mandatory Convertible Preferred Stock and such other Voting Preferred Stock. (g) The rules and procedures for calling and conducting any meeting of the Holders (including, without limitation, the fixing of a record date in connection therewith), the solicitation and use of proxies at such a meeting, the obtaining of written consents and any other procedural aspect or matter with regard to such a meeting or such consents shall be governed by any rules the Board of Directors, in its discretion, may adopt from time to time, which rules and procedures shall conform to the requirements of the Charter, the Bylaws, applicable law and the rules of any national securities exchange or other trading facility on which the Mandatory Convertible Preferred Stock is listed or traded at the time. Section 9. Mandatory Conversion on the Mandatory Conversion Date. (a) Each outstanding share of the Mandatory Convertible Preferred Stock shall automatically convert (unless previously redeemed in accordance with Section 7 or converted in accordance with Section 10 or Section 11) on the Mandatory Conversion Date (the "Mandatory Conversion Date"), into a number of shares of Common Stock equal to the Mandatory Conversion Rate. (b) The "Mandatory Conversion Rate" shall, subject to adjustment in accordance with Section 9(c), be as follows: (i) if the Applicable Market Value is greater than the Threshold Appreciation Price, the Mandatory Conversion Rate shall be equal to 2.5352 shares of Common Stock per share of the Mandatory Convertible Preferred Stock (the "Minimum Conversion Rate") (ii) if the Applicable Market Value is less than or equal to the Threshold Appreciation Price but equal to or greater than the Initial Price, the Mandatory Conversion Rate per share of the Mandatory Convertible Preferred Stock shall be equal to \$50.00 divided by the Applicable Market Value, rounded to the nearest ten-thousandth of a share of Common Stock 1/4 or 24- (iii) if the Applicable Market Value is less than the Initial Price, the Mandatory Conversion Rate shall be equal to 3.1056 shares of Common Stock per share of the Mandatory Convertible Preferred Stock (the "Maximum Conversion Rate") 1/4 provided that the Fixed Conversion Rates are each subject to adjustment in accordance with the provisions of Section 15. (c) If the Corporation declares a dividend on the Mandatory Convertible Preferred Stock for the Dividend Period ending on, but excluding, September 1, 2027, the Corporation shall pay such dividend to the Record Holders as of the immediately preceding Regular Record Date, in accordance with Section 4. If on or prior to September 1, 2027, the Corporation has not declared a dividend payable in the amount of all or any portion of the accumulated and unpaid dividends on the Mandatory Convertible Preferred Stock, the Mandatory Conversion Rate shall be adjusted so that Holders receive an additional number of shares of Common Stock equal to: (i) the amount of such undeclared, accumulated and unpaid dividends per share of the Mandatory Convertible Preferred Stock (the "Mandatory Conversion Additional Conversion Amount"), divided by (ii) the greater of (x) the Floor Price and (y) 97% of the Average Price (calculated using September 1, 2027 as the applicable Dividend Payment Date). To the extent that the Mandatory Conversion Additional Conversion Amount exceeds the product of such number of additional shares and 97% of the Average Price, the Corporation shall, if it is legally able to do so, and to the extent permitted under the terms of the documents governing its indebtedness, declare and pay such excess amount in cash (computed to the nearest cent) pro rata per share to the Holders. To the extent that the Corporation is not able to pay such excess amount in cash under applicable law and in compliance with its indebtedness, the Corporation shall not have any obligation to pay such amount in cash or deliver additional shares of Common Stock in respect of such amount, and such amount will not form a part of the cumulative dividends on the shares of Mandatory Convertible Preferred Stock. For the avoidance of doubt, the Mandatory Conversion Rate shall in no event exceed the Maximum Conversion Rate, subject to adjustment in accordance with the provisions of Section 15, and exclusive of any amounts owing in respect of any Mandatory Conversion Additional Conversion Amount or any accrued and unpaid dividends paid at the Corporation's election in shares of Common Stock. Section 10. Early Conversion at the Option of the Holder. (a) Other than during a Fundamental Change Conversion Period, subject to satisfaction of the conversion procedures set forth in Section 12, the Holders shall have the option to convert their Mandatory Convertible Preferred Stock, in whole or in part (but in no event in increments of less than one share of the Mandatory Convertible Preferred Stock), at any time prior to September 1, 2027 (an "Early Conversion Date"), into shares of Common Stock at the Minimum Conversion Rate, subject to adjustment in accordance with Section 10(b). (b) If, as of any Early Conversion Date, the Corporation has not declared all or any portion of the accumulated and unpaid dividends for all full Dividend Periods ending on or prior to the Dividend Payment Date immediately prior to such Early Conversion Date, the Minimum -25- Conversion Rate shall be adjusted, with respect to the relevant Early Conversion, so that the Holders converting their Mandatory Convertible Preferred Stock at such time receive an additional number of shares of Common Stock equal to: (i) such amount of undeclared, accumulated and unpaid dividends per share of Mandatory Convertible Preferred Stock for such prior full Dividend Periods (the "Early Conversion Additional Conversion Amount"), divided by (ii) the greater of (x) the Floor Price and (y) the Average VWAP per share of the Common Stock over the 20 consecutive Trading Day period (the "Early Conversion Settlement Period") commencing on, and including, the 21st Scheduled Trading Day immediately preceding the Early Conversion Date (such Average VWAP, the "Early Conversion Average Price"). To the extent that the Early Conversion Additional Conversion Amount exceeds the product of such number of additional shares and the Early Conversion Average Price, the Corporation shall not have any obligation to pay the shortfall in cash or deliver shares of Common Stock in respect of such shortfall. Except as set forth in the first sentence of this Section 10(b), upon any Early Conversion of any shares of Mandatory Convertible Preferred Stock, the Corporation shall make no payment or allowance for unpaid dividends on such shares of the Mandatory Convertible Preferred Stock, unless such Early Conversion Date occurs after the Regular Record Date for a declared dividend and on or prior to the immediately succeeding Dividend Payment Date, in which case the Corporation shall pay such dividend on such Dividend Payment Date to the Record Holder of the converted shares of the Mandatory Convertible Preferred Stock as of such Regular Record Date, in accordance with Section 4. Section 11. Fundamental Change Conversion. (a) If a Fundamental Change occurs on or prior to September 1, 2027, the Holders shall have the right (the "Fundamental Change Conversion Right") during the Fundamental Change Conversion Period to: (i) convert their shares of Mandatory Convertible Preferred Stock, in whole or in part (but in no event in increments of less than one share of the Mandatory Convertible Preferred Stock) (any such conversion pursuant to this Section 11(a) being a "Fundamental Change Conversion") into a number of shares of Common Stock (or Units of Exchange Property in accordance with Section 16) equal to the Fundamental Change Conversion Rate per share of Mandatory Convertible Preferred Stock 1/3 (ii) with respect to such converted shares of Mandatory Convertible Preferred Stock, receive an amount equal to the present value, calculated using a discount rate of 4.67% per annum, of all dividend payments on such shares (excluding any Accumulated Dividend Amount) for (A) the partial Dividend Period, if any, from, and including, the Fundamental Change Effective Date to, but excluding, the next Dividend Payment Date and (B) all the remaining full Dividend Periods from, and including, the Dividend Payment Date following the Fundamental Change Effective Date to, but excluding, September 1, 2027 (the "Fundamental Change Dividend Make-Whole Amount"), payable in cash or shares of Common Stock 1/4 and 26- (iii) with respect to such converted shares of Mandatory Convertible Preferred Stock, receive the Accumulated Dividend Amount payable in cash or shares of Common Stock, subject, in the case of clauses (ii) and (iii) to certain limitations with respect to the number of shares of Common Stock the Corporation will be required to deliver as set forth in Section 11(d). Notwithstanding clauses (ii) and (iii), if the Fundamental Change Effective Date or the Fundamental Change Conversion Date falls after the Regular Record Date for a Dividend Period for which the Corporation has declared a dividend and prior to the next Dividend Payment Date, then the Corporation shall pay such dividend on the relevant Dividend Payment Date to the Record Holders as of such Regular Record Date, in accordance with Section 4, and the Accumulated Dividend Amount shall not include the amount of such dividend, and the Fundamental Change Dividend Make-Whole Amount shall not include the present value of the payment of such dividend. (b) To exercise the Fundamental Change Conversion Right, Holders must submit their shares of Mandatory Convertible Preferred Stock for conversion at any time during the Fundamental Change Conversion Period. Holders that submit their shares of Mandatory Convertible Preferred Stock for conversion during the Fundamental Change Conversion Period shall be deemed to have exercised their Fundamental Change Conversion Right. Holders who do not submit their shares for conversion during the Fundamental Change Conversion Period shall not be entitled to convert their Mandatory Convertible Preferred Stock at the relevant Fundamental Change Conversion Rate or to receive the relevant Fundamental Change Dividend Make-Whole Amount or the relevant Accumulated Dividend Amount. The Corporation shall provide written notice (the "Fundamental Change Notice") to Holders of the Fundamental Change Effective Date no later than the second Business Day immediately following such Fundamental Change Effective Date. The Fundamental Change Notice shall state: (i) the event causing the Fundamental Change 1/3 (ii) the anticipated Fundamental Change Effective Date or actual Fundamental Change Effective Date, as the case may be 1/3 (iii) that Holders shall have the right to effect a Fundamental Change Conversion in connection with such Fundamental Change during the Fundamental Change Conversion Period 1/3 (iv) the Fundamental Change Conversion Period 1/4 and (v) the instructions a Holder must follow to effect a Fundamental Change Conversion in connection with such Fundamental Change. (c) Not later than the second Business Day following the Fundamental Change Effective Date, the Corporation shall notify Holders of: (i) the Fundamental Change Conversion Rate (if notice is provided to Holders prior to the anticipated Fundamental Change Effective Date, specifying how the Fundamental Change Conversion Rate will be determined) 1/4 -27- (ii) the Fundamental Change Dividend Make-Whole Amount and whether the Corporation will pay such amount in cash, shares of Common Stock (or to the extent applicable, Units of Exchange Property) or a combination thereof, specifying the combination, if applicable 1/4 and (iii) the Accumulated Dividend Amount as of the Fundamental Change Effective Date and whether the Corporation will pay such amount in cash, shares of Common Stock (or to the extent applicable, Units of Exchange Property) or a combination thereof, specifying the combination, if applicable. (d) (i) For any shares of the Mandatory Convertible Preferred Stock that are converted during the Fundamental Change Conversion Period, in addition to the Common Stock issued upon conversion at the Fundamental Change Conversion Rate, the Corporation shall at its option (subject to satisfaction of the requirements of this Section 11): (A) pay the Fundamental Change Dividend Make-Whole Amount in cash (computed to the nearest cent), to the extent the Corporation is legally permitted to do so and to the extent permitted under the terms of the documents governing its indebtedness 1/4 (B) increase the number of shares of Common Stock (or Units of Exchange Property) to be issued upon conversion by a number equal to (x) the Fundamental Change Dividend Make-Whole Amount, divided by (y) the greater of (i) the Floor Price and (ii) 97% of the Fundamental Change Stock Price 1/4 or (C) pay the Fundamental Change Dividend Make-Whole Amount through any combination of cash and shares of Common Stock (or Units of Exchange Property) in accordance with the provisions of clauses (A) and (B) above. (ii) In addition, to the extent that the Accumulated Dividend Amount exists as of the Fundamental Change Effective Date, the converting Holder shall be entitled to receive such Accumulated Dividend Amount upon such Fundamental Change Conversion. The Corporation shall, at its option, pay the Accumulated Dividend Amount (subject to satisfaction of the requirements of this Section 11): (A) in cash (computed to the nearest cent), to the extent the Corporation is legally permitted to do so and to the extent permitted under the terms of the documents governing its indebtedness 1/4 (B) in an additional number of shares of Common Stock (or Units of Exchange Property) equal to (x) the Accumulated Dividend Amount, divided by (y) the greater of (i) the Floor Price and (ii) 97% of the Fundamental Change Stock Price 1/4 or (C) through a combination of cash and shares of Common Stock (or Units of Exchange Property) in accordance with the provisions of clauses (A) and (B) above. (iii) The Corporation shall pay the Fundamental Change Dividend Make-Whole Amount and the Accumulated Dividend Amount in cash, except to the extent the Corporation elects on or prior to the second Business Day following the relevant Fundamental Change Effective Date to make all or any portion of such payments in shares of Common Stock (or Units of Exchange Property). If the Corporation elects to -28- deliver Common Stock (or Units of Exchange Property) in respect of all or any portion of the Fundamental Change Dividend Make-Whole Amount or the Accumulated Dividend Amount, to the extent that the Fundamental Change Dividend Make-Whole Amount or the Accumulated Dividend Amount or the dollar amount of any portion thereof paid in Common Stock (or Units of Exchange Property) exceeds the product of (x) the number of additional shares the Corporation delivers in respect thereof and (y) 97% of the Fundamental Change Stock Price, the Corporation shall, if it is legally able to do so, and to the extent permitted under the terms of the documents governing its indebtedness, pay such excess amount in cash (computed to the nearest cent). To the extent that the Corporation is not able to pay such excess amount in cash under applicable law and in compliance with its indebtedness, the Corporation shall not have any obligation to pay such amount in cash or deliver additional shares of Common Stock in respect of such amount, and such amount will not form a part of the cumulative dividends that may be deemed to accumulate on the shares of the Mandatory Convertible Preferred Stock. (iv) No fractional shares of Common Stock (or, to the extent applicable, Units of Exchange Property) shall be delivered by the Corporation to converting Holders in respect of the Fundamental Change Dividend Make-Whole Amount or the Accumulated Dividend Amount. The Corporation shall instead, to the extent the Corporation is legally permitted to do so and to the extent permitted under the terms of the documents governing the Corporation's indebtedness, pay a cash amount (computed to the nearest cent) to each converting Holder that would otherwise be entitled to receive a fraction of a share of Common Stock (or to the extent applicable, Units of Exchange Property) based on the Average VWAP per share of Common Stock (or to the extent applicable, Units of Exchange Property) over the five consecutive Trading Day period ending on, and including, the Trading Day immediately preceding the relevant Fundamental Change Conversion Date. In the event the Corporation cannot pay cash in lieu of a fractional share, the Corporation shall instead round up to the nearest whole share for each Holder, and the Corporation shall not have any obligation to pay such amount in cash and such amount shall not form a part of the cumulative dividends that may be deemed to accumulate on the shares of Mandatory Convertible Preferred Stock. (v) If the Corporation is prohibited from paying or delivering, as the case may be, the Fundamental Change Dividend Make-Whole Amount (whether in cash or in shares of Common Stock), in whole or in part, due to limitations of applicable Delaware law, the Fundamental Change Conversion Rate will instead be increased by a number of shares of Common Stock equal to: (A) the cash amount of the aggregate unpaid and undelivered Fundamental Change Dividend Make-Whole Amount, divided by (B) the greater of (i) the Floor Price and (ii) 97% of the Fundamental Change Stock Price. To the extent that the cash amount of the aggregate unpaid and undelivered Fundamental Change Dividend Make-Whole Amount exceeds the product of such number of additional shares and 97% of the Fundamental Change Stock Price, the Corporation shall not have any obligation to pay the shortfall in cash or deliver additional shares of Common Stock in respect of such amount. -29- Section 12. Conversion Procedures. (a) Pursuant to Section 9, on the Mandatory Conversion Date, any outstanding shares of Mandatory Convertible Preferred Stock shall mandatorily and automatically convert into shares of Common Stock. Subject to any applicable rules and procedures of the Depository, if more than one share of the Mandatory Convertible Preferred Stock held by the same Holder is automatically converted on the Mandatory Conversion Date, the number of full shares of Common Stock issuable upon conversion thereof shall be computed on the basis of the aggregate number of shares of Mandatory Convertible Preferred Stock so converted. A Holder of shares of the Mandatory Convertible Preferred Stock that are mandatorily converted shall not be required to pay any transfer or similar taxes or duties relating to the issuance or delivery of the Common Stock upon conversion, except that such Holder shall be required to pay any tax or duty that may be payable relating to any transfer involved in the issuance or delivery of the Common Stock in a name other than the name of such Holder. A certificate representing the shares of Common Stock issuable upon conversion shall be issued and delivered to the converting Holder or, if the Mandatory Convertible Preferred Stock being converted is in book-entry form, the shares of Common Stock issuable upon conversion shall be delivered to the converting Holder through book-entry transfer through the facilities of the Depository, in each case, together with delivery by the Corporation to the converting Holder of any cash to which the converting Holder is entitled, only after all applicable taxes and duties, if any, payable by such converting Holder have been paid in full, and such shares and cash will be delivered on the later of (i) the Mandatory Conversion Date and (ii) the Business Day after the Holder has paid in full all applicable taxes and duties, if any. The Person or Persons entitled to receive the shares of Common Stock issuable upon Mandatory Conversion shall be treated as the record holder(s) of such shares of Common Stock as of the Close of Business on the Mandatory Conversion Date. Prior to the Close of Business on the Mandatory Conversion Date, the Common Stock issuable upon conversion of Mandatory Convertible Preferred Stock on the Mandatory Conversion Date shall not be deemed to

are outstanding for any purpose and Holders shall have no rights, powers or preferences with respect to such Common Stock, including voting powers, rights to respond to tender offers and rights to receive any dividends or other distributions on the Common Stock, by virtue of holding the Mandatory Convertible Preferred Stock.(b)To effect an Early Conversion pursuant to Section 10, a Holder must:(i)complete and manually sign the conversion notice on the back of the Mandatory Convertible Preferred Stock certificate or a facsimile of such conversion notice³/(ii)deliver the completed conversion notice and the certificated shares of Mandatory Convertible Preferred Stock to be converted to the Conversion and Dividend Disbursing Agent³/4-30-(iii)if required, furnish appropriate endorsements and transfer documents³/4 and(iv)if required, pay all transfer or similar taxes or duties, if any.Notwithstanding the foregoing, to effect an Early Conversion pursuant to Section 10 of shares of Mandatory Convertible Preferred Stock held in global form, the Holder must, in lieu of the foregoing, comply with the applicable procedures of DTC (or any other Depository for the shares of Mandatory Convertible Preferred Stock held in global form appointed by the Corporation).The Early Conversion shall be effective on the date on which a Holder has satisfied the foregoing requirements, to the extent applicable (the "Early Conversion Date").Subject to any applicable rules and procedures of the Depository, if more than one share of the Mandatory Convertible Preferred Stock is surrendered for conversion at one time by or for the same Holder, the number of full shares of Common Stock issuable upon conversion thereof shall be computed on the basis of the aggregate number of shares of the Mandatory Convertible Preferred Stock so surrendered.A Holder shall not be required to pay any transfer or similar taxes or duties relating to the issuance or delivery of Common Stock upon conversion, but such Holder shall be required to pay any tax or duty that may be payable relating to any transfer involved in the issuance or delivery of Common Stock in a name other than the name of such Holder.A certificate representing the shares of Common Stock issuable upon conversion shall be issued and delivered to the converting Holder or, if the Mandatory Convertible Preferred Stock being converted are in book-entry form, the shares of Common Stock issuable upon conversion shall be delivered to the converting Holder through book-entry transfer through the facilities of the Depository, in each case, together with delivery by the Corporation to the converting Holder of any cash to which the converting Holder is entitled, only after all applicable taxes and duties, if any, payable by such converting Holder have been paid in full, and such shares and cash will be delivered on the latest of (i) the second Business Day immediately succeeding the Early Conversion Date, (ii) the second Business Day immediately succeeding the last day of the Early Conversion Settlement Period, and (iii) the Business Day after the Holder has paid in full all applicable taxes and duties, if any.The Person or Persons entitled to receive the shares of Common Stock issuable upon Early Conversion shall be treated for all purposes as the record holder(s) of such shares of Common Stock as of the Close of Business on the applicable Early Conversion Date. Prior to the Close of Business on such applicable Early Conversion Date, the shares of Common Stock issuable upon conversion of any shares of Mandatory Convertible Preferred Stock shall not be deemed to be outstanding for any purpose, and Holders shall have no rights, powers or preferences with respect to such shares of Common Stock, including voting powers, rights to respond to tender offers for the Common Stock and rights to receive any dividends or other distributions on the Common Stock, by virtue of holding shares of Mandatory Convertible Preferred Stock.-31-In the event that an Early Conversion is effected with respect to shares of Mandatory Convertible Preferred Stock representing less than all the shares of the Mandatory Convertible Preferred Stock held by a Holder, upon such Early Conversion the Corporation shall execute and instruct the Transfer Agent and Registrar to countersign and deliver to the Holder thereof, at the expense of the Corporation, a certificate evidencing the shares of Mandatory Convertible Preferred Stock as to which Early Conversion was not effected, or, if the Mandatory Convertible Preferred Stock is held in book-entry form, the Corporation shall cause the Transfer Agent and Registrar to reduce the number of shares of the Mandatory Convertible Preferred Stock represented by the global certificate by making a notation on the global certificate or otherwise noting such reduction in the register maintained by such Transfer Agent and Registrar.(c)To effect a Fundamental Change Conversion pursuant to Section 11, a Holder must:(i)complete and manually sign the conversion notice on the back of the Mandatory Convertible Preferred Stock certificate or a facsimile of such conversion notice³/(ii)deliver the completed conversion notice and the certificated shares of Mandatory Convertible Preferred Stock to be converted to the Conversion and Dividend Disbursing Agent³/(iii)if required, furnish appropriate endorsements and transfer documents³/4 and(iv)if required, pay all transfer or similar taxes or duties, if any.Notwithstanding the foregoing, to effect a Fundamental Change Conversion pursuant to Section 11 of shares of Mandatory Convertible Preferred Stock held in global form, the Holder must, in lieu of the foregoing, comply with the applicable procedures of DTC (or any other Depository for the shares of Mandatory Convertible Preferred Stock held in global form appointed by the Corporation).The Fundamental Change Conversion shall be effective on the date on which a Holder has satisfied the foregoing requirements, to the extent applicable (the "Fundamental Change Conversion Date").Subject to any applicable rules and procedures of the Depository, if more than one share of the Mandatory Convertible Preferred Stock is surrendered for conversion at one time by or for the same Holder, the number of full shares of Common Stock issuable upon conversion thereof shall be computed on the basis of the aggregate number of shares of the Mandatory Convertible Preferred Stock so surrendered.A Holder shall not be required to pay any transfer or similar taxes or duties relating to the issuance or delivery of Common Stock upon conversion, but such Holder shall be required to pay any tax or duty that may be payable relating to any transfer involved in the issuance or delivery of Common Stock in a name other than the name of such Holder.-32-A certificate representing the shares of Common Stock issuable upon conversion shall be issued and delivered to the converting Holder or, if the Mandatory Convertible Preferred Stock being converted are in book-entry form, the shares of Common Stock issuable upon conversion shall be delivered to the converting Holder through book-entry transfer through the facilities of the Depository, in each case, together with delivery by the Corporation to the converting Holder of any cash to which the converting Holder is entitled, only after all applicable taxes and duties, if any, payable by such converting Holder have been paid in full, on the later of (i) the second Business Day immediately succeeding the Fundamental Change Conversion Date and (ii) the Business Day after the Holder has paid in full all applicable taxes and duties, if any.The Person or Persons entitled to receive the shares of Common Stock issuable upon such Fundamental Change Conversion shall be treated for all purposes as the record holder(s) of such shares of Common Stock as of the Close of Business on the applicable Fundamental Change Conversion Date. Prior to the Close of Business on such applicable Fundamental Change Conversion Date, the shares of Common Stock issuable upon conversion of any shares of the Mandatory Convertible Preferred Stock shall not be deemed to be outstanding for any purpose, and Holders shall have no rights, powers or preferences with respect to the Common Stock, including voting powers, rights to respond to tender offers for the Common Stock and rights to receive any dividends or other distributions on the Common Stock, by virtue of holding shares of Mandatory Convertible Preferred Stock.In the event that a Fundamental Change Conversion is effected with respect to shares of Mandatory Convertible Preferred Stock representing less than all the shares of Mandatory Convertible Preferred Stock held by a Holder, upon such Fundamental Change Conversion the Corporation shall execute and instruct the Transfer Agent and Registrar to countersign and deliver to the Holder thereof, at the expense of the Corporation, a certificate evidencing the shares of Mandatory Convertible Preferred Stock as to which Fundamental Change Conversion was not effected, or, if Mandatory Convertible Preferred Stock is held in book-entry form, the Corporation shall cause the Transfer Agent and Registrar to reduce the number of shares of Mandatory Convertible Preferred Stock represented by the global certificate by making a notation on Schedule 1 attached to the global certificate or otherwise notate such reduction in the register maintained by such Transfer Agent and Registrar.(d)In the event that a Holder shall not by written notice designate the name in which shares of Common Stock to be issued upon conversion of such Mandatory Convertible Preferred Stock should be registered or, if applicable, the address to which the certificate or certificates representing such shares of Common Stock should be sent, the Corporation shall be entitled to register such shares, and make such payment, in the name of the Holder as shown on the records of the Corporation and, if applicable, to send the certificate or certificates representing such shares of Common Stock to the address of such Holder shown on the records of the Corporation.(e)Shares of Mandatory Convertible Preferred Stock shall cease to be outstanding on the applicable Conversion Date, subject to the right of Holders of such shares to receive shares of Common Stock issuable upon conversion of such shares of Mandatory Convertible Preferred Stock and other amounts and shares of Common Stock, if any, to which they are entitled pursuant to Sections 9, 10 or 11, as applicable and, if the applicable Conversion Date occurs after the Regular Record Date for a declared dividend and prior to the immediately succeeding Dividend Payment Date, subject to the right of the Record Holders of such shares of the -33-Mandatory Convertible Preferred Stock on such Regular Record Date to receive payment of the full amount of such declared dividend on such Dividend Payment Date pursuant to Section 4.Section 13.Reservation of Common Stock.(a)The Corporation shall at all times reserve and keep available out of its authorized and unissued Common Stock, solely for issuance upon the conversion of shares of Mandatory Convertible Preferred Stock as herein provided, free from any preemptive or other similar rights, a number of shares of Common Stock equal to the maximum number of shares of Common Stock deliverable upon conversion of all shares of Mandatory Convertible Preferred Stock (which shall initially equal a number of shares of Common Stock equal to the sum of (x) the product of (i) 30,000,000 shares of Mandatory Convertible Preferred Stock, and (ii) the initial Maximum Conversion Rate and (y) the product of (i) 30,000,000 shares of Mandatory Convertible Preferred Stock, and (ii) the maximum number of shares of Common Stock that would be added to the Mandatory Conversion Rate assuming (A) the Corporation paid no dividends on the shares of Mandatory Convertible Preferred Stock prior to the Mandatory Conversion Date and (B) the Floor Price is greater than 97% of the relevant Average Price). For purposes of this Section 13(a), the number of shares of Common Stock that shall be deliverable upon the conversion of all outstanding shares of Mandatory Convertible Preferred Stock shall be computed as if at the time of computation all such outstanding shares were held by a single Holder.(b)Notwithstanding the foregoing, the Corporation shall be entitled to deliver upon conversion of shares of Mandatory Convertible Preferred Stock or as payment of any dividend on such shares of Mandatory Convertible Preferred Stock, as herein provided, shares of Common Stock reacquired and held in the treasury of the Corporation (in lieu of the issuance of authorized and unissued shares of Common Stock), so long as any such treasury shares are free and clear of all liens, charges, security interests or encumbrances (other than liens, charges, security interests and other encumbrances created by the Holders).(c)All shares of Common Stock delivered upon conversion of, or as payment of a dividend on, the Mandatory Convertible Preferred Stock shall be duly authorized, validly issued, fully paid and non-assessable, free and clear of all liens, claims, security interests and other encumbrances (other than liens, charges, security interests and other encumbrances created by the Holders) and free of preemptive rights.(d)Prior to the delivery of any securities that the Corporation shall be obligated to deliver upon conversion of Mandatory Convertible Preferred Stock, the Corporation shall use commercially reasonable efforts to comply with all federal and state laws and regulations thereunder requiring the registration of such securities with, or any approval of or consent to the delivery thereof by, any governmental authority.(e)The Corporation hereby covenants and agrees that, if at any time the Common Stock shall be listed on NYSE or any other national securities exchange or automated quotation system, the Corporation shall, if permitted by the rules of such exchange or automated quotation system, list and use its commercially reasonable efforts to keep listed, so long as the Common Stock shall be so listed on such exchange or automated quotation system, all Common Stock issuable upon conversion (including, for the avoidance of doubt, with respect to the Mandatory Conversion Additional Conversion Amount or Early Conversion Additional Conversion Amount) of, or issuable in respect of the payment of dividends, the Accumulated Dividend Amount and the Fundamental Change Dividend Make-Whole Amount on, the Mandatory Convertible Preferred Stock³/4 provided, however, that if the rules of such exchange or automated quotation system permit the Corporation to defer the listing of such Common Stock until the earlier of (x) the first conversion of Mandatory Convertible Preferred Stock into Common Stock -34-in accordance with the provisions hereof and (y) the first payment of any dividends, any Accumulated Dividend Amount or any Fundamental Change Dividend Make-Whole Amount on the Mandatory Convertible Preferred Stock, the Corporation covenants to list such Common Stock issuable upon the earlier of (1) the first conversion of the Mandatory Convertible Preferred Stock and (2) the first payment of any dividends, any Accumulated Dividend Amount or any Fundamental Change Dividend Make-Whole Amount on the Mandatory Convertible Preferred Stock in accordance with the requirements of such exchange or automated quotation system at such time.Section 14.Fractional Shares.(a)No fractional shares of Common Stock shall be issued to Holders as a result of any conversion of shares of Mandatory Convertible Preferred Stock.(b)In lieu of any fractional shares of Common Stock otherwise issuable in respect of the aggregate number of shares of the Mandatory Convertible Preferred Stock of any Holder that are converted on the Mandatory Conversion Date pursuant to Section 9 or at the option of the Holder pursuant to Section 10 or Section 11, the Corporation shall pay an amount in cash (computed to the nearest cent) equal to the product of (i) that same fraction and (ii) the Average VWAP of the Common Stock over the five consecutive Trading Day period ending on, and including, the Trading Day immediately preceding the Mandatory Conversion Date, Early Conversion Date or Fundamental Change Conversion Date, as applicable. In the event the Corporation cannot pay cash in lieu of a fractional share, the Corporation shall instead round up to the nearest whole share for each Holder, and the Corporation shall not have any obligation to pay such amount in cash and such amount shall not form a part of the cumulative dividends that may be deemed to accumulate on the shares of Mandatory Convertible Preferred Stock.Section 15.Anti-Dilution Adjustments to the Fixed Conversion Rates. (a) Each Fixed Conversion Rate shall be adjusted as set forth in this Section 15, except that the Corporation shall not make any adjustments to the Fixed Conversion Rates if Holders participate (other than in the case of a share split or share combination), at the same time and upon the same terms as holders of Common Stock and solely as a result of holding the Mandatory Convertible Preferred Stock, in any of the transactions set forth in Sections 15(a)(i)-(v) without having to convert their Mandatory Convertible Preferred Stock as if they held a number of shares of Common Stock equal to (i) the Maximum Conversion Rate as of the Record Date for such transaction, multiplied by (ii) the number of shares of Mandatory Convertible Preferred Stock held by such Holder.(i)If the Corporation exclusively issues shares of Common Stock as a dividend or distribution on shares of Common Stock, or if the Corporation effects a share split or share combination, each Fixed Conversion Rate shall be adjusted based on the following formula:
$$\frac{\text{Adjusted Rate}}{\text{CR1} \times \text{OS1} + \text{X} \times \text{OS0} + \text{Y} \times \text{OS1}} = \frac{\text{Current Rate}}{\text{CR1} \times \text{OS1} + \text{X} \times \text{OS0} + \text{Y} \times \text{OS1}}$$
where, CR0 = A A A such Fixed Conversion Rate in effect immediately prior to the Close of Business on the Record Date of such dividend or distribution, or immediately prior to the -35-Open of Business on the Effective Date of such share split or share combination, as applicable³/4 CR1 = A A A such Fixed Conversion Rate in effect immediately after the Close of Business on such Record Date or immediately after the Open of Business on such Effective Date, as applicable³/4 OS0 = A A A the number of shares of Common Stock outstanding immediately prior to the Close of Business on such Record Date or immediately prior to the Open of Business on such Effective Date, as applicable, before giving effect to such dividend, distribution, share split or share combination³/4 and OS1 = A A A the number of shares of Common Stock outstanding immediately after giving effect to such dividend, distribution, share split or share combination.Any adjustment made under this Section 15(a)(i) shall become effective immediately after the Close of Business on the Record Date for such dividend or distribution, or immediately after the Open of Business on the Effective Date for such share split or share combination, as applicable. If any dividend or distribution of the type set forth in this Section 15(a)(i) is declared but not so paid or made, each Fixed Conversion Rate shall be immediately readjusted, effective as of the date the Board of Directors, or an authorized committee thereof, determines not to pay such dividend or distribution, to such Fixed Conversion Rate that would then be in effect if such dividend or distribution had not been declared. For the purposes of this Section 15(a)(i), the number of shares of Common Stock outstanding immediately prior to the Close of Business on the Record Date or immediately prior to the Open of Business on the relevant Effective Date, as the case may be, and the number of shares of Common Stock outstanding immediately after giving effect to such dividend, distribution, share split or share combination shall, in each case, not include shares that the Corporation holds in treasury. The Corporation shall not pay any dividend or make any distribution on shares of Common Stock that it holds in treasury.(i)If the Corporation issues to all or substantially all holders of Common Stock any rights, options or warrants entitling them, for a period of not more than 45 calendar days after the announcement date of such issuance, to subscribe for or purchase shares of Common Stock at a price per share that is less than the Average VWAP per share of Common Stock for the 10 consecutive Trading Day period ending on, and including, the Trading Day immediately preceding the date of announcement of such issuance, each Fixed Conversion Rate shall be increased based on the following formula:
$$\$$

options or warrants been made on the basis of delivery of only the number of shares of Common Stock actually delivered, if any. If such rights, options or warrants are not so issued, each Fixed Conversion Rate shall be immediately readjusted, effective as of the date the Board of Directors, or an authorized committee, thereof determines not to issue such rights, options or warrants, to such Fixed Conversion Rate that would then be in effect if such Record Date for such issuance had not occurred. For the purpose of this Section 15(a)(ii), in determining whether any rights, options or warrants entitle the holders of Common Stock to subscribe for or purchase shares of Common Stock at less than such Average VWAP per share for the 10 consecutive Trading Day period ending on, and including, the Trading Day immediately preceding the date of announcement of such issuance, and in determining the aggregate offering price of such shares of Common Stock, there shall be taken into account any consideration received by the Corporation for such rights, options or warrants and any amount payable on exercise or conversion thereof, the value of such consideration, if other than cash, to be determined by the Board of Directors, or an authorized committee thereof.(iii)(A) If the Corporation distributes shares of its capital stock, evidences of the Corporation's indebtedness, other assets or property of the Corporation or rights, options or warrants to acquire its capital stock or other securities, to all or substantially all holders of Common Stock, excluding: (1) dividends, distributions or issuances as to which the provisions set forth in Section 15(a)(i) or Section 15(a)(ii) shall apply 1/37-42) dividends or distributions paid exclusively in cash as to which the provisions set forth in Section 15(a)(iv) shall apply 1/3(3) any dividends and distributions upon conversion of, or in exchange for, shares of Common Stock in connection with a recapitalization, reclassification, change, consolidation, merger or other combination, share exchange, or sale, lease or other transfer or disposition resulting in the change in the conversion consideration as set forth under Section 161(4)(e) except as otherwise set forth in Section 15(a)(vii), rights issued pursuant to a shareholder rights plan adopted by the Corporation 1/4 and (5) Spin-Offs as to which the provisions set forth below in Section 15(a)(iii)(B) shall apply 1/3 then each Fixed Conversion Rate shall be increased based on the following formula: $\frac{\text{CR0} + \text{A} \times \text{FMV}}{\text{CR0} + \text{A}}$, where, CR0 = A such Fixed Conversion Rate in effect immediately prior to the Close of Business on the Record Date for such distribution 1/4 CR1 = A such Fixed Conversion Rate in effect immediately after the Close of Business on such Record Date 1/4 SP0 = A the Average VWAP per share of Common Stock over the 10 consecutive Trading Day period ending on, and including, the Trading Day immediately preceding the Ex-Date for such distribution 1/4 and FMV = A the fair market value (as determined by the Board of Directors, or an authorized committee thereof, in good faith) of the shares of capital stock, evidences of indebtedness, assets, property, rights, options or warrants so distributed, expressed as an amount per share of Common Stock on the Ex-Date for such distribution. Any increase made under this Section 15(a)(iii)(A) will become effective immediately after the Close of Business on the Record Date for such distribution. If such distribution is not so paid or made, each Fixed Conversion Rate shall be immediately readjusted, effective as of the date the Board of Directors, or an authorized committee thereof, determines not to pay such dividend or distribution, to be such Fixed Conversion Rate that would then be in effect if such distribution had not been declared. Notwithstanding the foregoing, if $\frac{\text{CR0} + \text{A} \times \text{FMV}}{\text{CR0} + \text{A}}$ (as defined above) is equal to or greater than $\frac{\text{CR0} + \text{A} \times \text{FMV}}{\text{CR0} + \text{A}}$ (as defined above), or if the difference is less than \$1.00, in lieu of the foregoing increase, -38- each Holder shall receive, in respect of each share of Mandatory Convertible Preferred Stock, at the same time and upon the same terms as holders of Common Stock, the amount and kind of the Corporation's capital stock, evidences of the Corporation's indebtedness, other assets or property of the Corporation or rights, options or warrants to acquire its capital stock or other securities that such Holder would have received if such Holder owned a number of shares of Common Stock equal to the Maximum Conversion Rate in effect on the Record Date for the distribution. (B) A such Fixed Conversion Rate in effect immediately prior to the Close of Business on such Record Date shall be increased based on the following formula: $\frac{\text{CR0} + \text{A} \times \text{FMV}}{\text{CR0} + \text{A}}$, where, CR0 = A such Fixed Conversion Rate in effect immediately prior to the Open of Business on the Ex-Date for the Spin-Off 1/4 CR1 = A such Fixed Conversion Rate in effect immediately after the Open of Business on the Ex-Date for the Spin-Off 1/4 FMV0 = A the Average VWAP per share of the capital stock or similar equity interest distributed to holders of Common Stock applicable to one share of Common Stock over the ten consecutive Trading Day period commencing on, and including, the Ex-Date for the Spin-Off (the Valuation Period) 1/4 and MP0 = A the Average VWAP per share of Common Stock over the Valuation Period. The increase to each Fixed Conversion Rate under the preceding paragraph will be calculated as of the Close of Business on the last Trading Day of the Valuation Period but will be given retroactive effect as of immediately after the Open of Business on the Ex-Date of the Spin-Off. Because the Corporation shall make the adjustment to each Fixed Conversion Rate with retroactive effect, it shall delay the settlement of any conversion of the Mandatory Convertible Preferred Stock where any date for determining the number of shares of Common Stock issuable to a Holder occurs during the Valuation Period until the second Business Day after the last Trading Day of such Valuation Period. If such dividend or distribution is not so paid, each Fixed Conversion Rate shall be decreased, effective as of the date the Board of Directors, or an authorized committee, thereof determines not to make or pay such dividend or distribution, to be such Fixed Conversion Rate that would then be in effect if such dividend or distribution had not been declared. For purposes of this Section 15(a)(iii) (and subject in all respects to Section 15(a)(i) and Section 15(a)(ii)): (A) rights, options or warrants distributed by the Corporation to all or substantially all holders of the Common Stock entitling them to subscribe for or -39- purchase shares of the Corporation's capital stock, including Common Stock (either initially or under certain conditions), which rights, options or warrants, until the occurrence of a specified event or events (the Trigger Event): (1) are deemed to be transferred with such shares of the Common Stock 1/2 are not exercisable 1/3 and (3) are also issued in respect of future issuances of the Common Stock, shall be deemed not to have been distributed for purposes of this Section 15(a)(iii) (and no adjustment to the Fixed Conversion Rates under this Section 15(a)(iii) shall be required) until the occurrence of the earliest Trigger Event, whereupon such rights, options or warrants shall be deemed to have been distributed and an appropriate adjustment (if any is required) to the Fixed Conversion Rates shall be made under this Section 15(a)(iii). (B) If any such right, option or warrant, including any such existing rights, options or warrants distributed prior to the Initial Issue Date, are subject to events, upon the occurrence of which such rights, options or warrants become exercisable to purchase different securities, evidences of indebtedness or other assets, then the date of the occurrence of any and each such event shall be deemed to be the date of distribution and Record Date with respect to new rights, options or warrants with such rights (in which case the existing rights, options or warrants shall be deemed to terminate and expire on such date without exercise by any of the holders thereof). (C) In addition, in the event of any distribution (or deemed distribution) of rights, options or warrants, or any Trigger Event or other event (of the type described in the immediately preceding clause (B)) with respect thereto that was counted for purposes of calculating a distribution amount for which an adjustment to the Fixed Conversion Rates under this clause (iii) was made: (1) in the case of any such rights, options or warrants that shall all have been redeemed or repurchased without exercise by any holders thereof, upon such final redemption or repurchase (x) the Fixed Conversion Rates shall be readjusted as if such rights, options or warrants had not been issued and (y) the Fixed Conversion Rates shall then again be readjusted to give effect to such distribution, deemed distribution or Trigger Event, as the case may be, as though it were a cash distribution pursuant to Section 15(a)(iv), equal to the per share redemption or repurchase price received by a holder or holders of Common Stock with respect to such rights, options or warrants (assuming such holder had retained such rights, options or warrants), made to all holders of Common Stock as of the date of such redemption or repurchase 1/4 and (2) in the case of such rights, options or warrants that shall have expired or been terminated without exercise by any holders thereof, the Fixed Conversion Rates shall be readjusted as if such rights, options and warrants had not been issued 1/4 -40- provided that, in each case, such rights, options or warrants are deemed to be transferred with such shares of the Common Stock and are also issued in respect of future issuances of the Common Stock. For purposes of Section 15(a)(i), Section 15(a)(ii) and this Section 15(a)(iii), if any dividend or distribution to which this Section 15(a)(iii) is applicable includes one or both of: (A) a dividend or distribution of shares of Common Stock to which Section 15(a)(i) is applicable (the Clause A Distribution) 1/4 or (B) an issuance of rights, options or warrants to which Section 15(a)(ii) is applicable (the Clause B Distribution) 1/4, then: (1) such dividend or distribution, other than the Clause A Distribution and the Clause B Distribution, shall be deemed to be a dividend or distribution to which this Section 15(a)(iii) is applicable (the Clause C Distribution) 1/4 and any Fixed Conversion Rate adjustment required by this Section 15(a)(iii) with respect to such Clause C Distribution shall then be made 1/4 and (2) the Clause A Distribution and Clause B Distribution shall be deemed to immediately follow the Clause C Distribution and any Fixed Conversion Rate adjustment required by Section 15(a)(i) and Section 15(a)(ii) with respect thereto shall then be made, except that, if determined by the Corporation (I) the Record Date of the Clause A Distribution and the Clause B Distribution shall be deemed to be the Record Date of the Clause C Distribution and (II) any shares of Common Stock included in the Clause A Distribution or Clause B Distribution shall be deemed not to be outstanding immediately prior to the Close of Business on such Record Date or immediately prior to the Open of Business on such Effective Date within the meaning of Section 15(a)(i) or outstanding immediately prior to Close of Business on such Record Date within the meaning of Section 15(a)(ii). (iv) If any cash dividend or distribution is made to all or substantially all holders of Common Stock other than a regular, quarterly cash dividend that does not exceed \$0.13 per share (the Initial Dividend Threshold) 1/4, each Fixed Conversion Rate shall be adjusted based on the following formula: $\frac{\text{CR0} + \text{A} \times \text{FMV}}{\text{CR0} + \text{A}}$, where, CR0 = A such Fixed Conversion Rate in effect immediately prior to the Close of Business on the Record Date for such dividend or distribution 1/4 CR1 = A such Fixed Conversion Rate in effect immediately after the Close of Business on the Record Date for such dividend or distribution 1/4 -41- SP0 = A the Average VWAP per share of Common Stock over the 10 consecutive Trading Day period ending on, and including, the Trading Day immediately preceding the Ex-Date for such distribution 1/4 T = A the Initial Dividend Threshold 1/4 provided that if the dividend or distribution is not a regular quarterly cash dividend, the Initial Dividend Threshold shall be deemed to be zero 1/4 and C = A the amount in cash per share the Corporation distributes to all or substantially all holders of Common Stock. The Initial Dividend Threshold is subject to adjustment in a manner inversely proportional to adjustments to each Fixed Conversion Rate 1/4 provided that no adjustment will be made to the Initial Dividend Threshold for any adjustment to each Fixed Conversion Rate under this Section 15(a)(iv). Any increase made under this Section 15(a)(iv) shall become effective immediately after the Close of Business on the Record Date for such dividend or distribution. If such dividend or distribution is not so paid, each Fixed Conversion Rate shall be decreased, effective as of the date the Board of Directors, or an authorized committee thereof, determines not to make or pay such dividend or distribution, to be such Fixed Conversion Rate that would then be in effect if such dividend or distribution had not been declared. Notwithstanding the foregoing, if $\frac{\text{CR0} + \text{A} \times \text{FMV}}{\text{CR0} + \text{A}}$ (as defined above) is equal to or greater than $\frac{\text{CR0} + \text{A} \times \text{FMV}}{\text{CR0} + \text{A}}$ (as defined above), or if the difference is less than \$1.00, in lieu of the foregoing increase, each Holder shall receive, for each share of Mandatory Convertible Preferred Stock, at the same time and upon the same terms as holders of shares of Common Stock, the amount of cash that such Holder would have received if such Holder owned a number of shares of Common Stock equal to the Maximum Conversion Rate on the Record Date for such cash dividend or distribution. (v) If the Corporation or any of its Subsidiaries make a payment in respect of a tender or exchange offer for Common Stock (and excluding a tender offer solely to holders of fewer than 100 shares of Common Stock), to the extent that the cash and value of any other consideration included in the payment per share of Common Stock exceeds the Average VWAP per share of Common Stock over the 10 consecutive Trading Day period (the Averaging Period) 1/4 commencing on, and including, the Trading Day next succeeding the last date on which tenders or exchanges may be made pursuant to such tender or exchange offer (the Expiration Date) 1/4, each Fixed Conversion Rate shall be increased based on the following formula: $\frac{\text{CR0} + \text{A} \times \text{FMV}}{\text{CR0} + \text{A}}$, where, CR0 = A such Fixed Conversion Rate in effect immediately prior to the Close of Business on the Expiration Date 1/4 CR1 = A such Fixed Conversion Rate in effect immediately after the Close of Business on the Expiration Date 1/4 AC = A the aggregate value of all cash and any other consideration (as determined by the Board of Directors, or an authorized committee thereof, in good faith) paid or payable for shares purchased in such tender or exchange offer 1/4 OS1 = A the number of shares of Common Stock outstanding immediately prior to the Expiration Date (prior to giving effect to the purchase of all shares accepted for purchase or exchange in such tender or exchange offer) 1/4 OS2 = A the number of shares of Common Stock outstanding immediately after the Expiration Date (after giving effect to the purchase of all shares accepted for purchase or exchange in such tender or exchange offer) 1/4 and SP1 = A the Average VWAP of Common Stock over the Averaging Period. The increase to each Fixed Conversion Rate under the preceding paragraph will be calculated at the Close of Business on the last Trading Day of the Averaging Period but will be given retroactive effect as of immediately after the Close of Business on the Expiration Date. Because the Corporation will make the adjustment to each Fixed Conversion Rate with retroactive effect, it will delay the settlement of any conversion of the Mandatory Convertible Preferred Stock where any date for determining the number of shares of Common Stock issuable to a Holder occurs during the Averaging Period until the second Business Day after the last Trading Day of the Averaging Period. For the avoidance of doubt, no adjustment under this Section 15(a)(v) will be made if such adjustment would result in a decrease in any Fixed Conversion Rate, except as set forth in the immediately succeeding sentence. In the event that the Corporation or one of its Subsidiaries is obligated to purchase shares of Common Stock pursuant to any such tender offer or exchange offer, but the Corporation or such Subsidiary is permanently prevented by applicable law from effecting any such purchases, or all such purchases are rescinded, then each Fixed Conversion Rate shall again be adjusted to be such Fixed Conversion Rate that would then be in effect if such tender offer or exchange offer had not been made (or had been made only in respect of the purchases that have been made and not rescinded). For the avoidance of doubt, for purposes of this clause (v), the term "tender offer" is used as such term is used in the Exchange Act and the term "exchange offer" means an exchange offer that constitutes a tender offer. (vi) If: (A) the record date for a dividend or distribution on shares of the Common Stock occurs after the end of the 20 consecutive Trading Day period -43- used for calculating the Applicable Market Value and before the Mandatory Conversion Date 1/4 and (B) such dividend or distribution would have resulted in an adjustment of the number of shares of Common Stock issuable to the Holders had such record date occurred on or before the last Trading Day of such 20-Trading Day period, then the Corporation shall deem the Holders to be holders of record, for each share of their Mandatory Convertible Preferred Stock, of a number of shares of Common Stock equal to the Mandatory Conversion Rate for purposes of that dividend or distribution, and in such a case, the Holders would receive the dividend or distribution on Common Stock together with the number of shares of Common Stock issuable upon mandatory conversion of Mandatory Convertible Preferred Stock. (vii) If the Corporation has a rights plan in effect upon conversion of the Mandatory Convertible Preferred Stock into Common Stock, the Holders shall receive, in addition to any shares of Common Stock received in connection with such conversion, the rights under the rights plan. However, if, prior to any conversion, the rights have separated from the shares of Common Stock in accordance with the provisions of the applicable rights plan, each Fixed Conversion Rate will be adjusted at the time of separation as if the Corporation distributed to all or substantially all holders of Common Stock, shares of its capital stock, evidences of indebtedness, assets, property, rights, options or warrants as set forth in Section 15(a)(iii)(A), subject to readjustment in the event of the expiration, termination or redemption of such rights. (viii) The Corporation may (but is not required to), to the extent permitted by law and the rules of NYSE or any other securities exchange on which the shares of Common Stock or the Mandatory Convertible Preferred Stock is then listed, increase each Fixed Conversion Rate by any amount for a period of at least 20 Business Days if such increase is irrevocable during such 20 Business Days and the Board of Directors, or an authorized committee thereof, determines that such increase would be in the best interest of the Corporation. The Corporation may also (but is not required to) make such increases in each Fixed Conversion Rate as it deems advisable in order to avoid or diminish any income tax to holders of Common Stock resulting from any dividend or distribution of shares of Common Stock (or issuance of rights or warrants to acquire shares of Common Stock) or from any event treated as such for income tax purposes or for any other reason. However, in either case, the Corporation may only make such discretionary adjustments if it makes the same proportionate adjustment to each Fixed Conversion Rate. (ix) The Corporation shall not adjust the Fixed Conversion Rates: (A) upon the issuance of shares of Common Stock pursuant to any present or future plan providing for the reinvestment of dividends or interest payable on securities of the Corporation and the investment of additional optional amounts in Common Stock under any plan 1/4 (B) upon the issuance of any shares of Common Stock, warrants, options, units or other rights to or securities exercisable for the purchase or issuance of such shares of Common Stock (including the net share settlement of any such securities) pursuant to any present or future retirement, deferred -44- compensation, incentive, equity or other benefit plan or program of or assumed by the Corporation or any of its Subsidiaries 1/4 (C) upon the issuance of any shares of Common Stock pursuant to any option, warrant, right or exercisable, exchangeable or convertible security not described in clause (B) of this Section 15(a)(ix) and outstanding as of the Initial Issue Date 1/4 (D) for a change in par value of the Common Stock 1/4 (E) for stock repurchases that are not tender or exchange offers referred to in Section 15(a)(v), including structured or derivative transactions or pursuant to a stock repurchase program approved by the Board of Directors 1/4 (F) as a result of a tender offer that satisfies the exception described in Section 15(a)(v) above for offers solely to holders of fewer than 100 shares of Common Stock 1/4 (G) as a result of a tender or exchange offer by a Person other than the Corporation or one or more of its Subsidiaries 1/4 (H) for accumulated dividends on the

Mandatory Convertible Preferred Stock, except as described in Sections 9, 10 and 11¼ or (I) for any other issuance of shares of Common Stock or any securities convertible into or exchangeable for shares of Common Stock or the right to purchase shares of Common Stock or such convertible or exchangeable securities, except as otherwise stated herein.(x)Adjustments to each Fixed Conversion Rate will be calculated to the nearest 1/10,000th of a share of Common Stock. No adjustment to any Fixed Conversion Rate will be required unless the adjustment would require an increase or decrease of at least 1% of the Fixed Conversion Rate¼ provided, however, that if an adjustment is not made because the adjustment does not change the Fixed Conversion Rates by at least 1%, then such adjustment will be carried forward and taken into account in any future adjustment. Notwithstanding the foregoing, on each date for determining the number of shares of Common Stock issuable to a Holder upon any conversion of the Mandatory Convertible Preferred Stock, the Corporation shall give effect to all adjustments that otherwise had been deferred pursuant to this clause (x), and those adjustments will no longer be carried forward and taken into account in any future adjustment. Except as otherwise provided above, the Corporation will be responsible for making all calculations called for under the Mandatory Convertible Preferred Stock. These calculations include, but are not limited to, determinations of the Fundamental Change Stock Price, the VWAPs, the Average VWAPs and the Fixed Conversion Rates of the Mandatory Convertible Preferred Stock and shall be made in good faith.(xi)For the avoidance of doubt, if an adjustment is made to the Fixed Conversion Rates, no separate inversely proportionate adjustment will be made to the Initial Price or the Threshold Appreciation Price because the Initial Price is equal to \$50.00 divided by the Maximum Conversion Rate (as adjusted in the manner described herein) and the Threshold Appreciation Price is equal to \$50.00 divided by the Minimum Conversion Rate (as adjusted in the manner described herein).-45-(xii)Whenever any provision of this Certificate of Designations requires the Corporation to calculate the VWAP per share of Common Stock over a span of multiple days, the Board of Directors, or an authorized committee thereof, shall make appropriate adjustments in good faith (including, without limitation, to the Applicable Market Value, the Early Conversion Average Price, the Fundamental Change Stock Price and the Average Price, as the case may be) to account for any adjustments to the Fixed Conversion Rates (as the case may be) that become effective, or any event that would require such an adjustment if the Ex-Date, Effective Date, Record Date or Expiration Date, as the case may be, of such event occurs during the relevant period used to calculate such prices or values, as the case may be.(b) Whenever the Fixed Conversion Rates are to be adjusted, the Corporation shall:(i)compute such adjusted Fixed Conversion Rates¼(ii)within 10 Business Days after the Fixed Conversion Rates are to be adjusted, provide or cause to be provided, a written notice to the Holders of the occurrence of such event¼ and(iii)within 10 Business Days after the Fixed Conversion Rates are to be adjusted, provide or cause to be provided, to the Holders, a statement setting forth in reasonable detail the method by which the adjustments to the Fixed Conversion Rates were determined and setting forth such adjusted Fixed Conversion Rates.Section 16.Recapitalizations, Reclassifications and Changes of Common Stock. In the event of:(a)any consolidation or merger of the Corporation with or into another Person or any conversion of the Corporation or domestication in or transfer to a foreign jurisdiction¼(b)any sale, transfer, lease or conveyance to another Person of all or substantially all of the property and assets of the Corporation¼(c)any reclassification of Common Stock into securities, including securities other than Common Stock¼ or(d)any statutory exchange of securities of the Corporation with another Person (other than in connection with a merger or acquisition or a conversion of the Corporation or domestication in or transfer to a foreign jurisdiction), in each case, as a result of which the Common Stock will be converted into, or exchanged for, stock, other securities or other property or assets (including cash or any combination thereof) (each, a "Reorganization Event"), each share of the Mandatory Convertible Preferred Stock outstanding immediately prior to such Reorganization Event shall, without the consent of the Holders, become convertible into the kind of stock, other securities or other property or assets (including cash or any combination thereof) that such Holder would have been entitled to receive if such Holder had converted its Mandatory Convertible Preferred Stock into Common Stock immediately prior to such Reorganization Event (such stock, other securities or other property or assets (including cash or any combination thereof), the "Exchange Property," with each "Unit of Exchange Property" meaning the kind and amount of such Exchange Property that a holder of one share of Common Stock is entitled to receive).-46-If any Reorganization Event causes the Common Stock to be converted into, or exchanged for, the right to receive more than a single type of consideration (determined based in part upon any form of stockholder election), the Exchange Property into which the Mandatory Convertible Preferred Stock shall be convertible shall be deemed to be the weighted average of the types and amounts of consideration actually received by the holders of the Common Stock in such Reorganization Event.The Corporation shall notify Holders of the weighted average as soon as practicable after such determination is made.The number of Units of Exchange Property the Corporation shall deliver for each share of Mandatory Convertible Preferred Stock converted, or as a payment of dividends on the Mandatory Convertible Preferred Stock, as applicable, following the effective date of such Reorganization Event shall be determined as if references in Section 7, Section 9, Section 10 and Section 11 to shares of Common Stock were to Units of Exchange Property (without interest thereon and without any right to dividends or distributions thereon which have a Record Date that is prior to the date on which Holders of Mandatory Convertible Preferred Stock become holders of record of the underlying shares of Common Stock). For the purpose of determining which of clauses (i), (ii) and (iii) of Section 9(b) shall apply upon Mandatory Conversion, and for the purpose of calculating the Mandatory Conversion Rate if clause (ii) of Section 9(b) is applicable, the value of a Unit of Exchange Property shall be determined in good faith by the Board of Directors, or an authorized committee thereof (which determination will be final), except that if a Unit of Exchange Property includes common stock or American Depositary Receipts ("ADRs") that are traded on a U.S. national securities exchange, the value of such common stock or ADRs shall be the average over the 20 consecutive Trading Day period used for calculating the Applicable Market Value of the volume-weighted Average Prices for such common stock or ADRs, as displayed on the applicable Bloomberg screen (as determined in good faith by the Board of Directors, or an authorized committee thereof (which determination will be final))¼ or, if such price is not available, the average market value per share of such common stock or ADRs over such period as determined, using a volume-weighted average method, by a nationally recognized independent investment banking firm retained by the Corporation for this purpose.The above provisions of this Section 16 shall similarly apply to successive Reorganization Events, and the provisions of Section 15 shall apply to any shares of capital stock or ADRs of the Corporation (or any successor thereto) received by the holders of Common Stock in any such Reorganization Event.The Corporation (or any successor thereto) shall, as soon as reasonably practicable (but in any event within 20 calendar days) after the occurrence of any Reorganization Event, provide written notice to the Holders of such occurrence and of the kind and amount of cash, securities or other property that constitute the Exchange Property. Failure to deliver such notice shall not affect the operation of this Section 16.-47-In connection with any Reorganization Event, the Initial Dividend Threshold shall be subject to adjustment as described in clause (i), clause (ii) or clause (iii) below, as the case may be:(i)In the case of a Reorganization Event in which the Exchange Property (determined, as appropriate, as set forth above in this Section 16 and excluding any dissenters' " appraisal rights) is composed entirely of shares of Common Stock (the "Reorganization Common Stock"), the Initial Dividend Threshold at and after the effective time of such Reorganization Event will be equal to (x) the Initial Dividend Threshold immediately prior to the effective time of such Reorganization Event, divided by (y) the number of shares of Reorganization Common Stock that a holder of one share of Common Stock would receive in such Reorganization Event (such quotient rounded down to the nearest cent).(ii)In the case of a Reorganization Event in which the Exchange Property (determined, as appropriate, as set forth above in this Section 16 and excluding any dissenters' " appraisal rights) is composed in part of shares of Reorganization Common Stock, the Initial Dividend Threshold at and after the effective time of such Reorganization Event will be equal to (x) the Initial Dividend Threshold immediately prior to the effective time of such Reorganization Event, multiplied by (y) the Reorganization Valuation Percentage for such Reorganization Event (such product rounded down to the nearest cent).(iii)For the avoidance of doubt, in the case of a Reorganization Event in which the Exchange Property (determined, as appropriate, as set forth above in this Section 16 and excluding any dissenters' " appraisal rights) is composed entirely of consideration other than shares of common stock, the Initial Dividend Threshold at and after the effective time of such Reorganization Event will be equal to zero.Section 17.Transfer Agent, Registrar, and Conversion and Dividend Disbursing Agent. The duly appointed Transfer Agent, Registrar and Conversion and Dividend Disbursing Agent for Mandatory Convertible Preferred Stock shall be Equiniti Trust Company, LLC. The Corporation may, in its sole discretion, remove the Transfer Agent, Registrar or Conversion and Dividend Disbursing Agent in accordance with the agreement between the Corporation and the Transfer Agent, Registrar or Conversion and Dividend Disbursing Agent, as the case may be¼ provided that if the Corporation removes Equiniti Trust Company, LLC, the Corporation shall appoint a successor transfer agent, registrar or conversion and dividend disbursing agent, as the case may be, who shall accept such appointment prior to the effectiveness of such removal. Upon any such removal or appointment, the Corporation shall give notice thereof to the Holders.Section 18.Record Holders. To the fullest extent permitted by applicable law, the Corporation and the Transfer Agent may deem and treat the Holder of any shares of Mandatory Convertible Preferred Stock as the true and lawful owner thereof for all purposes.Section 19.Notices. All notices or communications in respect of Mandatory Convertible Preferred Stock shall be sufficiently given if given in writing and delivered by first class mail, postage prepaid, or if given in such other manner as may be permitted in this Certificate of Designations, in the Charter or the Bylaws and by applicable law. Notwithstanding the foregoing, if the shares of Mandatory Convertible Preferred Stock are represented by a Global Preferred Certificate, such notices may also be given to the Holders in any manner -48-permitted by DTC or any similar facility used for the settlement of transactions in Mandatory Convertible Preferred Stock.Section 20.No Preemptive Rights. The Holders shall have no preemptive or preferential rights to purchase or subscribe for any stock, obligations, warrants or other securities of the Corporation of any class.Section 21.Other Rights. The shares of Mandatory Convertible Preferred Stock shall not have any rights, preferences, privileges or voting powers or relative, participating, optional or other special rights, or qualifications, limitations or restrictions thereof, other than as set forth herein or in the Charter or as provided by applicable law.Section 22.Book-Entry Form.(a)The Mandatory Convertible Preferred Stock shall be issued in the form of one or more permanent global shares of Mandatory Convertible Preferred Stock in definitive, fully registered form eligible for book-entry settlement with the global legend as set forth on the form of Mandatory Convertible Preferred Stock certificate attached hereto as Exhibit A (each, a "Global Preferred Certificate" and the shares of Mandatory Convertible Preferred Stock represented by such Global Preferred Certificate, the "Global Preferred Shares"), which is hereby incorporated in and expressly made part of this Certificate of Designations. The Global Preferred Certificates may have notations, legends or endorsements required by law, stock exchange rules or agreements to which the Corporation is subject, if any, or usage (provided that any such notation, legend or endorsement is in a form acceptable to the Corporation). The Global Preferred Certificates shall be deposited on behalf of the Holders represented thereby with the Registrar, at its New York office as custodian for the Depositary, and registered in the name of the Depositary, duly executed by the Corporation and countersigned and registered by the Registrar as hereinafter provided. The aggregate number of shares represented by each Global Preferred Certificate may from time to time be increased or decreased by adjustments made on the records of the Registrar and the Depositary or its nominee as hereinafter provided.This Section 22(a) shall apply only to a Global Preferred Certificate deposited with or on behalf of the Depositary. The Corporation shall execute and the Registrar shall, in accordance with this Section 22(a), countersign and deliver any Global Preferred Certificate that (i) shall be registered in the name of Cede & Co. or other nominee of the Depositary and (ii) shall be delivered by the Registrar to Cede & Co. or pursuant to instructions received from Cede & Co. or held by the Registrar as custodian for the Depositary pursuant to an agreement between the Depositary and the Registrar. Members of, or participants in, the Depositary ("Agent Members") shall have no rights under this Certificate of Designations with respect to any Global Preferred Share held on their behalf by the Depositary or by the Registrar as the custodian of the Depositary, or under such Global Preferred Share, and the Depositary may be treated by the Corporation, the Registrar and any agent of the Corporation or the Registrar as the absolute owner of such Global Preferred Share for all purposes whatsoever. Notwithstanding the foregoing, nothing herein shall prevent the Corporation, the Registrar or any agent of the Corporation or the Registrar from giving effect to any written certification, proxy or other authorization furnished by the Depositary or impair, as between the Depositary and its Agent Members, the operation of customary practices of the Depositary governing the exercise of the rights of a holder of a beneficial interest in any Global Preferred Share. The Holder of the Global Preferred Shares may grant proxies or otherwise authorize any Person to take any action -49-that a Holder is entitled to take pursuant to the Global Preferred Shares, this Certificate of Designations or the Charter.Owners of beneficial interests in Global Preferred Shares shall not be entitled to receive physical delivery of certificated shares of Mandatory Convertible Preferred Stock, unless (x) the Depositary notifies the Corporation that it is unwilling or unable to continue as Depositary for the Global Preferred Shares and the Corporation does not appoint a qualified replacement for the Depositary within 90 days or (y) the Depositary ceases to be a "clearing agency" registered under the Exchange Act and the Corporation does not appoint a qualified replacement for the Depositary within 90 days. In any such case, the Global Preferred Certificates shall be exchanged in whole for definitive stock certificates that are not issued in global form, with the same terms and of an equal aggregate Liquidation Preference, and such definitive stock certificates shall be registered in the name or names of the Person or Persons specified by the Depositary in a written instrument to the Registrar.(b)Signature. Any two authorized Officers shall sign each Global Preferred Certificate for the Corporation, in accordance with the Corporation's Bylaws and applicable Delaware law, by manual or facsimile signature. If an Officer whose signature is on a Global Preferred Certificate no longer holds that office at the time the Registrar countersigned such Global Preferred Certificate, such Global Preferred Certificate shall be valid nevertheless. A Global Preferred Certificate shall not be valid until an authorized signatory of the Registrar manually countersigns such Global Preferred Certificate. Each Global Preferred Certificate shall be dated the date of its countersignature. The foregoing paragraph shall likewise apply to any certificate representing shares of Mandatory Convertible Preferred Stock.Section 23.Listing. The Corporation hereby covenants and agrees that, if its listing application for the Mandatory Convertible Preferred Stock is approved by NYSE, upon such listing, the Corporation shall use its commercially reasonable efforts to keep the Mandatory Convertible Preferred Stock listed on NYSE (or if the Common Stock is not listed on NYSE, on the principal other U.S. national or regional securities exchange on which the Common Stock is then listed).If the Global Preferred Share or Global Preferred Shares, as the case may be, shall be listed on NYSE or any other stock exchange, the Depositary may, with the written approval of the Corporation, appoint a registrar (acceptable to the Corporation) for registration of such Global Preferred Share or Global Preferred Shares, as the case may be, in accordance with the requirements of such exchange. Such registrar (which may be the Registrar if so permitted by the requirements of such exchange) may be removed and a substitute registrar appointed by the Registrar upon the request or with the written approval of the Corporation. If the Global Preferred Share or Global Preferred Shares, as the case may be, are listed on one or more other stock exchanges, the Registrar will, at the request and expense of the Corporation, arrange such facilities for the delivery, transfer, surrender and exchange of such Global Preferred Share or Global Preferred Shares, as the case may be, and the Global Preferred Certificate or Global Preferred Certificates representing such shares as may be required by law or applicable stock exchange regulations.-50-Section 24.Stock Certificates.(a)Shares of Mandatory Convertible Preferred Stock may be represented by stock certificates substantially in the form set forth as Exhibit A hereto.(b)Stock certificates representing shares of the Mandatory Convertible Preferred Stock shall be signed by any two authorized Officers of the Corporation, in accordance with the Bylaws and applicable Delaware law, by manual or facsimile signature.(c)A stock certificate representing shares of the Mandatory Convertible Preferred Stock shall not be valid until manually countersigned by an authorized signatory of the Transfer Agent and Registrar. Each stock certificate representing shares of the Mandatory Convertible Preferred Stock shall be dated the date of its countersignature.(d)If any Officer of the Corporation who has signed a stock certificate no longer holds that office at the time the Transfer Agent and Registrar countersigns the stock certificate, the stock certificate shall be valid nonetheless.Section 25.Replacement Certificates. If any Mandatory Convertible Preferred Stock certificate shall be mutilated, lost, stolen or destroyed, the Corporation shall, at the expense of the Holder, issue, in exchange and in substitution for and upon cancellation of the mutilated Mandatory Convertible Preferred Stock certificate, or in lieu of and substitution for the Mandatory Convertible Preferred Stock certificate lost, stolen or destroyed, a new Mandatory Convertible Preferred Stock certificate of like tenor and representing an equivalent Liquidation Preference of shares of Mandatory Convertible Preferred Stock, but only upon receipt of evidence of such loss, theft or destruction of such Mandatory Convertible Preferred Stock certificate and indemnity, if requested, reasonably satisfactory to the Corporation and the Transfer Agent.Section 26.Withholding. Notwithstanding anything herein to the contrary, the Corporation or any agent of the Corporation shall have the right to deduct and withhold from any payment or distribution (or deemed distribution) made with respect to any share of Mandatory Convertible Preferred Stock (including the delivery of shares of Common Stock and/or cash upon conversion or redemption of Mandatory Convertible Preferred Stock and any deemed distribution to any Holder in respect of an adjustment to any Fixed Conversion Rate) such amounts as are required to be deducted or withheld with respect to the making of such payment or distribution (or deemed distribution) or delivery under applicable tax law without liability therefor. To the extent that any amounts are so deducted or withheld, such deducted or withheld amounts shall be treated for all purposes as having been paid (or delivered) to the applicable Holder. In the event the Corporation or any agent of the Corporation remits any amounts to a governmental authority on account of taxes required to be deducted or withheld in respect of any payment or distribution (or deemed distribution) or delivery with respect to any share of Mandatory Convertible Preferred Stock with

to an applicable Holder hereunder and under any other instrument or agreement.[Signature page follows] -51-IN WITNESS WHEREOF, the Corporation has caused this Certificate of Designations to be signed by David Antczak, its Senior Vice President, General Counsel and Corporate Secretary, the 17th day of December, 2024.HEWLETT PACKARD ENTERPRISE COMPANYBy: A A A /s/ David Antczak A A A Name: David AntczakTitle: Senior Vice President, General Counsel and Corporate SecretaryExhibit A[FORM OF FACE OF 7.625% SERIES C MANDATORY CONVERTIBLE PREFERRED STOCK CERTIFICATE][INCLUDE FOR GLOBAL PREFERRED SHARES] UNLESS THIS CERTIFICATE IS PRESENTED BY AN AUTHORIZED REPRESENTATIVE OF THE DEPOSITORY TRUST COMPANY, A NEW YORK CORPORATION (â€œDTCâ€), TO THE CORPORATION OR THE TRANSFER AGENT NAMED ON THE FACE OF THIS CERTIFICATE, AND ANY CERTIFICATE ISSUED IS REGISTERED IN THE NAME OF CEDE & CO. OR IN SUCH OTHER NAME AS IS REQUESTED BY AN AUTHORIZED REPRESENTATIVE OF DTC (AND ANY PAYMENT IS MADE TO CEDE & CO., OR TO SUCH OTHER ENTITY AS IS REQUESTED BY AN AUTHORIZED REPRESENTATIVE OF DTC), ANY TRANSFER, PLEDGE OR OTHER USE HEREOF FOR VALUE OR OTHERWISE BY OR TO ANY PERSON IS WRONGFUL IN AS MUCH AS THE REGISTERED OWNER HEREOF, CEDE & CO., HAS AN INTEREST HEREIN. TRANSFERS OF THIS GLOBAL SECURITY SHALL BE LIMITED TO TRANSFERS IN WHOLE, BUT NOT IN PART, TO NOMINEES OF DTC OR TO A SUCCESSOR THEREOF OR SUCH SUCCESSORâ€™S NOMINEE AND TRANSFERS OF PORTIONS OF THIS GLOBAL SECURITY SHALL BE LIMITED TO TRANSFERS MADE IN ACCORDANCE WITH THE RESTRICTIONS SET FORTH IN THE STATEMENT WITH RESPECT TO SHARES. IN CONNECTION WITH ANY TRANSFER, THE HOLDER WILL DELIVER TO THE TRANSFER AGENT NAMED ON THE FACE OF THIS CERTIFICATE SUCH CERTIFICATES AND OTHER INFORMATION AS SUCH TRANSFER AGENT MAY REASONABLY REQUIRE TO CONFIRM THAT THE TRANSFER COMPLIES WITH THE FOREGOING RESTRICTIONS. Certificate Number [A A A] A A A Number of Shares of Mandatory Convertible Preferred Stock [A A A] A A A CUSIP: 42824C 208ISIN: US42824C2089 HEWLETT PACKARD ENTERPRISE COMPANY 7.625% Series C Mandatory Convertible Preferred Stock (par value \$0.01 per share) (Liquidation Preference as specified below) Hewlett Packard Enterprise Company, a Delaware corporation (the â€œCorporationâ€), hereby certifies that [A A A] (the â€œHolderâ€), is the registered owner of [A A A] fully paid and non-assessable shares of the Corporationâ€™s designated 7.625% Series C Mandatory Convertible Preferred Stock, with a par value of \$0.01 per share and a Liquidation Preference of \$50.00 per share (the â€œMandatory Convertible Preferred Stockâ€). The shares of Mandatory Convertible Preferred Stock are transferable on the books and records of the Registrar, in person or by a duly authorized attorney, upon surrender of this certificate duly endorsed and in proper form for transfer. The designations, rights, restrictions, preferences and other terms and provisions of Mandatory Convertible Preferred Stock represented hereby are and shall in all respects be subject to the provisions of the Certificate of Designations of 7.625% Series C Mandatory Convertible Preferred Stock of Hewlett Packard Enterprise Company, dated September [â–], 2024, as the same may be amended from time to time (the â€œCertificate of Designationsâ€). Capitalized terms used herein but not defined shall have the meaning given them in the Certificate of Designations. The Corporation will provide a copy of the Certificate of Designations to the Holder without charge upon written request to the Corporation at its principal place of business. In the case of any conflict between this Certificate and the Certificate of Designations, the provisions of the Certificate of Designations shall control and govern. Reference is hereby made to the provisions of Mandatory Convertible Preferred Stock set forth on the reverse hereof and in the Certificate of Designations, which provisions shall for all purposes have the same effect as if set forth at this place. Upon receipt of this executed certificate, the Holder is bound by the Certificate of Designations and is entitled to the benefits thereunder. Unless the Transfer Agent and Registrar have properly countersigned, these shares of Mandatory Convertible Preferred Stock shall not be entitled to any benefit under the Certificate of Designations or be valid or obligatory for any purpose. IN WITNESS WHEREOF, this certificate has been executed on behalf of the Corporation by the below authorized Officers of the Corporation this [â–] of [â–]. A HEWLETT PACKARD ENTERPRISE COMPANYBy:Name: Title: By:Name: Title: COUNTERSIGNATURE These are shares of Mandatory Convertible Preferred Stock referred to in the within-mentioned Certificate of Designations. A A A Dated: [â–] [â–] Equiniti Trust Company, LLCas Transfer Agent and RegistrarBy:Name: Title: [FORM OF REVERSE OF CERTIFICATE FOR 7.625% SERIES C MANDATORY CONVERTIBLE PREFERRED STOCK] Cumulative dividends on each share of Mandatory Convertible Preferred Stock shall be payable at the applicable rate provided in the Certificate of Designations when, as and if declared by the Board of Directors, or an authorized committee thereof, out of funds legally available for payment. The shares of Mandatory Convertible Preferred Stock shall be convertible in the manner and accordance with the terms set forth in the Certificate of Designations. The Corporation shall furnish without charge to each Holder who so requests the powers, designations, limitations, preferences and relative, participating, optional or other special rights of each class or series of stock of the Corporation and the qualifications, limitations or restrictions of such preferences and/or rights. NOTICE OF CONVERSION (To be Executed by the Holder in order to Convert 7.625% Series C Mandatory Convertible Preferred Stock) The undersigned hereby irrevocably consents to convert (the â€œConversionâ€) 7.625% Series C Mandatory Convertible Preferred Stock (the â€œMandatory Convertible Preferred Stockâ€), of Hewlett Packard Enterprise Company (hereinafter called the â€œCorporationâ€), represented by stock certificate No(s). [A A A] (the â€œMandatory Convertible Preferred Stock Certificatesâ€), into common stock, par value \$0.01 per share, of the Corporation (the â€œCommon Stockâ€) according to the conditions of the Certificate of Designations of Mandatory Convertible Preferred Stock (the â€œCertificate of Designationsâ€), as of the date written below. If Common Stock is to be issued in the name of a Person other than the undersigned, the undersigned shall pay all transfer taxes payable with respect thereto, if any. Each Mandatory Convertible Preferred Stock Certificate (or evidence of loss, theft or destruction thereof) is attached hereto. Capitalized terms used but not defined herein shall have the meanings ascribed thereto in or pursuant to the Certificate of Designations. A Date of Conversion: A A A A A A A A A A A A A A A A Applicable Conversion Rate: A A Shares of Mandatory Convertible Preferred Stock to be Converted: A A Shares of Common Stock to be Issued: A A Signature: A A Name: A A Address: A A Fax No.: A A *The Corporation is not required to issue Common Stock until the original Mandatory Convertible Preferred Stock Certificate(s) (or evidence of loss, theft or destruction thereof) to be converted are received by the Corporation or the Transfer Agent and Registrar named on the face of this Certificate. A *Address where Common Stock and any other payments or certificates shall be sent by the Corporation. A ASSIGNMENT FOR VALUE RECEIVED, the undersigned assigns and transfers the shares of 7.625% Series C Mandatory Convertible Preferred Stock evidenced hereby to: (Insert assigneeâ€™s social security or taxpayer identification number, if any) (Insert address and zip code of assignee) and irrevocably appoints: as agent to transfer the shares of 7.625% Series C Mandatory Convertible Preferred Stock evidenced hereby on the books of the Transfer Agent and Registrar. The Transfer Agent and Registrar may substitute another to act for him or her. A Date:Signature: A (Sign exactly as your name appears on the other side of this Certificate) A Signature Guarantee: (Signature must be guaranteed by an â€œeligible guarantor institutionâ€ that is a bank, stockbroker, savings and loan association or credit union meeting the requirements of the Transfer Agent and Registrar, which requirements include membership or participation in the Securities Transfer Agents Medallion Program (â€œSTAMPâ€) or such other â€œsignature guarantee programâ€ as may be determined by the Transfer Agent and Registrar in addition to, or in substitution for, STAMP, all in accordance with the Securities Exchange Act of 1934, as amended.) EX-4.18 3 ex-418descriptionofsecuri.htm EX-4.18 DocumentExhibit 4.18DESCRIPTION OF THE REGISTRANTâ€™S SECURITIESREGISTERED PURSUANT TO SECTION 12 OF THESE SECURITIES EXCHANGE ACT OF 1934The following description of the terms of the securities of Hewlett Packard Enterprise Company (â€œHPEâ€, â€œourâ€, â€œusâ€ or the â€œCompanyâ€) registered pursuant to Section 12 of the Securities Exchange Act of 1934, as amended, is a summary and is not complete and is qualified in its entirety by reference to our Restated Certificate of Incorporation (the â€œCertificate of Incorporationâ€), Certificate of Designations of 7.625% Series C Mandatory Convertible Preferred Stock (â€œCertificate of Designationsâ€), and Second Amended and Restated Bylaws (the â€œBylawsâ€), each of which is included as an exhibit to the Annual Report on Form 10-K of which this exhibit is a part. We encourage you to read our Certificate of Incorporation, Certificate of Designations, Bylaws and the applicable provisions of the Delaware General Corporation Law (the â€œDGCLâ€) for additional information.GeneralUnder our Certificate of Incorporation, our authorized capital stock consists of 9,900,000,000 shares, consisting of 9,600,000,000 shares of common stock, par value \$0.01 per share, and 300,000,000 shares of preferred stock, par value \$0.01 per share, which may be designated from time to time in accordance with our Certificate of Incorporation and of which 30,000,000 shares are designated as 7.625% Series C Mandatory Convertible Preferred Stock (the â€œMandatory Convertible Preferred Stockâ€).Common StockVoting Rights: Each holder of our common stock is entitled to one vote for each share on all matters to be voted upon by the common stockholders. Holders of our common stock do not have cumulative voting rights.Dividend Rights: Subject to any preferential rights of holders of our outstanding preferred stock, including the preferential rights of shares of Mandatory Convertible Preferred Stock, holders of our common stock are entitled to receive ratably the dividends, if any, as may be declared from time to time by our board of directors (the â€œBoardâ€) out of funds legally available for that purpose.Liquidation Rights: Subject to any preferential rights of holders of our outstanding preferred stock, including the preferential rights of shares of Mandatory Convertible Preferred Stock, upon any liquidation, dissolution, or winding up of Hewlett Packard Enterprise, holders of our common stock are entitled to ratable distribution of its assets remaining after the payment in full of liabilities and any preferential rights of any holders of then-outstanding preferred stock.Others Rights, Restrictions and Preferences: Holders of our common stock will have no preemptive, conversion rights or other subscription rights, and there are no redemption or sinking fund provisions applicable to the common stock. The common stock currently outstanding is validly issued, fully paid and nonassessable.Preferred StockOn September 13, 2024, HPE issued 30,000,000 shares of our 7.625% Series C Mandatory Convertible Preferred Stock. A copy of the Certificate of Designations setting forth the terms of the Mandatory Convertible Preferred Stock is incorporated by reference as Exhibit 3.7 to our Annual Report on Form 10-K. This description of the terms of the Mandatory Convertible Preferred Stock is not complete and is qualified in its entirety by reference to the provisions of our Certificate of Incorporation and the Certificate of Designations.The rights, preferences and privileges of the holders of our common stock are subject to, and may be adversely affected by, the rights of the holders of shares of any series of preferred stock that we have issued, including our Mandatory Convertible Preferred Stock, or may designate and issue in the future. Our Board has the authority, without further action by our stockholders, to issue up to 300,000,000 total shares of preferred stock in one or more series. Our Board may designate the rights, preferences, privileges and restrictions of the preferred stock, including dividend rights, conversion rights, voting rights, terms of redemption, liquidation preference, sinking fund terms, and number of shares constituting any series or the designation of any series. The issuance of preferred stock could have the effect of restricting dividends on our common stock, diluting the voting power of our common stock, impairing the liquidation rights of our common stock, or delaying or preventing a change in control.Ranking: The Mandatory Convertible Preferred Stock, with respect to dividend rights and/or distribution rights upon our liquidation, winding-up or dissolution, as applicable, will rank:â€¢senior to (i) our common stock, (ii) our Series B Junior Participating Redeemable Preferred Stock (the â€œSeries B Junior Preferred Stockâ€) and (iii) each other class or series of our capital stock established after the first original issue date of shares of the Mandatory Convertible Preferred Stock (which we refer to as the â€œInitial Issue Dateâ€), the terms of which do not expressly provide that such class or series ranks either (x) senior to the Mandatory Convertible Preferred Stock as to dividend rights and distribution rights upon our liquidation, winding-up or dissolution or (y) on parity with the Mandatory Convertible Preferred Stock as to dividend rights and distribution rights upon our liquidation, winding-up or dissolution (which we refer to collectively as â€œJunior Stockâ€);â€¢on parity with any class or series of our capital stock established after the Initial Issue Date, the terms of which expressly provide that such class or series will rank on parity with the Mandatory Convertible Preferred Stock as to dividend rights and distribution rights upon our liquidation, winding-up or dissolution (which we refer to collectively as â€œParity Stockâ€);â€¢junior to each class or series of our capital stock established after the Initial Issue Date, the terms of which expressly provide that such class or series will rank senior to the Mandatory Convertible Preferred Stock as to dividend rights or distribution rights upon our liquidation, winding-up or dissolution (which we refer to collectively as â€œSenior Stockâ€); andâ€¢junior to our existing and future indebtedness and other liabilities.In addition, with respect to dividend rights and distribution rights upon our liquidation, winding-up or dissolution, the Mandatory Convertible Preferred Stock will be structurally subordinated to any existing and future indebtedness and other liabilities of each of our subsidiaries.Listing: The Mandatory Convertible Preferred Stock is listed on The New York Stock Exchange ("NYSE"), under the symbol "HPEPrC".Dividends: Subject to the rights of holders of any class or series of any Senior Stock, holders of the Mandatory Convertible Preferred Stock will be entitled to receive, when, as and if declared by our Board, or an authorized committee thereof, out of funds legally available for payment, cumulative dividends at the rate per annum of 7.625% on the Liquidation Preference (as defined below) of \$50.00 per share of the Mandatory Convertible Preferred Stock (equivalent to \$3.81 per annum per share), payable in cash, by delivery of shares of our common stock or through any combination of cash and shares of our common stock, as determined by Board, or an authorized committee thereof, in its sole discretion (subject to the limitations described below). If declared, dividends on the Mandatory Convertible Preferred Stock will be payable quarterly on March 1, June 1, September 1 and December 1 of each year to, and including, September 1, 2027, having commenced on December 1, 2024 (each, a â€œDividend Payment Dateâ€), at such annual rate, and dividends shall accumulate from the most recent date as to which dividends shall have been paid or, if no dividends have been paid, from the Initial Issue Date of the Mandatory Convertible Preferred Stock, whether or not in any dividend period or periods there have been funds legally available or shares of common stock legally permitted to be issued for the payment of such dividends. If declared, dividends will be payable on the relevant Dividend Payment Date to holders of record of the Mandatory Convertible Preferred Stock as they appear on our stock register at the Close of Business (as defined below) on February 15, May 15, August 15 or November 15, as applicable, immediately preceding the relevant Dividend Payment Date (each, a â€œRegular Record Dateâ€), whether or not such holders convert their shares, or such shares are automatically converted, after such Regular Record Date and on or prior to such immediately succeeding Dividend Payment Date; provided that the Regular Record Date for any such dividend shall not precede the date on which such dividend was so declared. These Regular Record Dates will apply regardless of whether a particular Regular Record Date is a Business Day. A â€œBusiness Dayâ€ means any day other than a Saturday or Sunday or any other day on which commercial banks in New York City are authorized or required by law or executive order to close. If a Dividend Payment Date is not a Business Day, payment will be made on the next succeeding Business Day, without any interest or other payment in lieu of interest accruing with respect to this delay.A full dividend period is the period from, and including, a Dividend Payment Date to, but excluding, the next Dividend Payment Date, except that the initial dividend period commenced on, and included, the Initial Issue Date of the Mandatory Convertible Preferred Stock and ended on and excluded the December 1, 2024 Dividend Payment Date. The amount of dividends payable on each

on interest coverage (and, in some cases, total leverage), which may be adversely affected by the use of cash to pay dividends. In addition, our ability to declare and pay dividends may be limited by applicable Delaware law.

Method and Payment of Dividends: Subject to the limitations described below, we may pay any declared dividend (or any portion of any declared dividend) on the shares of the Mandatory Convertible Preferred Stock (whether or not for a current dividend period or any prior dividend period, including in connection with the payment of declared and unpaid dividends pursuant to the provisions described in “Mandatory Conversion” and “Conversion at the Option of the Holder Upon Fundamental Change; Fundamental Change Dividend Make-Whole Amount”), determined in our sole discretion: (a) in cash; (b) by delivery of shares of our common stock; or (c) through any combination of cash and shares of our common stock. We will make each payment of a declared dividend on the shares of the Mandatory Convertible Preferred Stock in cash, except to the extent we elect to make all or any portion of such payment in shares of our common stock. We will give the holders of the Mandatory Convertible Preferred Stock notice of any such election and the portion of such payment that will be made in cash and the portion that will be made in shares of our common stock no later than ten Scheduled Trading Days (as defined below) prior to the Dividend Payment Date for such dividend; provided, however, that if we do not provide timely notice of this election, we will be deemed to have elected to pay the relevant dividend in cash. All cash payments to which a holder of the Mandatory Convertible Preferred Stock is entitled in connection with a declared dividend on the shares of the Mandatory Convertible Preferred Stock will be rounded to the nearest cent. If we elect to make any such payment of a declared dividend, or any portion thereof, in shares of our common stock, such shares will be valued for such purpose, in the case of any dividend payment or portion thereof, at 97% of the Average VWAP (as defined below) per share of our common stock over the five consecutive Trading Days (as defined below) period beginning on, and including, the sixth Scheduled Trading Day (as defined below) prior to the applicable Dividend Payment Date (such average, the “Average Price”). If the five Trading Day period to determine the Average Price ends on or after the relevant Dividend Payment Date (whether because a Scheduled Trading Day is not a Trading Day due to the occurrence of a Market Disruption Event (as defined herein) or otherwise), then the Dividend Payment Date will be postponed until the second Business Day after the final Trading Day of such five Trading Day period; provided that no interest or other amounts will accrue as a result of such postponement. No fractional shares of our common stock will be delivered to the holders of the Mandatory Convertible Preferred Stock in payment or partial payment of a dividend. We will instead, to the extent we are legally permitted to do so, pay a cash amount (computed to the nearest cent) to each holder that would otherwise be entitled to receive a fraction of a share of our common stock based on the Average Price with respect to such dividend. In the event that we cannot pay cash in lieu of a fractional share, we will instead round up to the nearest whole share for each holder, and we shall not have any obligation to pay such amount in cash and such amount shall not form a part of the cumulative dividends that may be deemed to accumulate on the shares of Mandatory Convertible Preferred Stock. To the extent a shelf registration statement is required in our reasonable judgment in connection with the issuance of, or for resales of, shares of our common stock issued as payment of a dividend on the shares of the Mandatory Convertible Preferred Stock, including dividends paid in connection with a conversion, we will, to the extent a registration statement covering such shares is not currently filed and effective, use our commercially reasonable efforts to file and maintain the effectiveness of such a shelf registration statement until the earlier of such time as all such shares of common stock have been resold thereunder and such time as all such shares would be freely tradable without registration by holders thereof that are not (and were not at any time during the preceding three months) “affiliates” of ours for purposes of the Securities Act of 1933, as amended, and the rules and regulations thereunder (collectively, the “Securities Act”). To the extent applicable, we will also use our commercially reasonable efforts to have such shares of our common stock approved for listing on the NYSE (or if our common stock is not listed on the NYSE, on the principal other U.S. national or regional securities exchange on which our common stock is then listed), and qualified or registered under applicable state securities laws, if required; provided that we will not be required to qualify as a foreign corporation or to take any action that would subject us to general service of process in any such jurisdiction where we are not presently qualified or where we are not presently subject to taxation as a foreign corporation and such qualification or action would subject us to such taxation. Notwithstanding the foregoing, in no event will the number of shares of our common stock to be delivered in connection with any declared dividend, including any declared dividend payable in connection with a conversion, exceed a number equal to: (a) the declared dividend, divided by \$5.64, which amount represents approximately 35% of the Initial Price (as defined below), subject to adjustment in a manner inversely proportional to any anti-dilution adjustment to each Fixed Conversion Rate as set forth below in “Anti-Dilution Adjustments” (such dollar amount, as adjusted, the “Floor Price”). To the extent that the amount of any declared dividend exceeds the product of (x) the number of shares of our common stock delivered in connection with such declared dividend and (y) 97% of the Average Price, we will, if we are legally able to do so, and to the extent permitted under the terms of the documents governing our indebtedness, notwithstanding any notice by us to the contrary, pay such excess amount in cash (computed to the nearest cent). Any such payment in cash may not be permitted by our then existing debt instruments. To the extent that we are not able to pay such excess amount in cash under applicable law and in compliance with our indebtedness, we will not have any obligation to pay such amount in cash or deliver additional shares of our common stock in respect of such amount, and such amount will not form a part of the cumulative dividends that may be deemed to accumulate on the shares of the Mandatory Convertible Preferred Stock.

Dividend Stopper: So long as any share of the Mandatory Convertible Preferred Stock remains outstanding, no dividend or distribution shall be declared or paid on our common stock or any other class or series of Junior Stock, and no common stock or any other class or series of Junior Stock or Parity Stock shall be, directly or indirectly, purchased, redeemed or otherwise acquired for consideration by us or any of our subsidiaries unless, in each case, all accumulated and unpaid dividends for all preceding dividend periods have been declared and paid in full in cash, shares of our common stock or a combination thereof, or a sufficient sum of cash or number of shares of our common stock has been set apart for the payment of such dividends, on all outstanding shares of the Mandatory Convertible Preferred Stock. The foregoing limitation shall not apply to: (i) any dividend or distribution payable in shares of common stock or other Junior Stock, together with cash in lieu of any fractional share, (ii) purchases, redemptions or other acquisitions of common stock or other Junior Stock or Parity Stock in connection with the administration of any benefit or other incentive plan, including any employment or compensation agreement, including, without limitation, (x) the forfeiture of unvested shares of restricted stock or share withholdings or other acquisitions or surrender of shares or derivative securities to which the holder may otherwise be entitled upon exercise, delivery or vesting of equity awards (whether in payment of applicable taxes, the exercise price or otherwise) and (y) the payment of cash in lieu of fractional shares; (iii) purchases or deemed purchases or acquisitions of fractional interests in shares of any of our common stock or other Junior Stock pursuant to the conversion or exchange provisions of such shares of other Junior Stock or any securities exchangeable for or convertible into shares of common stock or other Junior Stock; (iv) any dividends or distributions of rights or common stock or other Junior Stock in connection with a stockholders’ rights plan or any redemption or repurchase of rights pursuant to any stockholders’ rights plan; (v) purchases of common stock or other Junior Stock pursuant to a contractually binding requirement to buy common stock or other Junior Stock, including under a contractually binding stock repurchase plan, in each case, existing prior to September 10, 2024; (vi) the acquisition by us or any of our subsidiaries of record ownership in common stock or other Junior Stock or Parity Stock for the beneficial ownership of any other persons (other than us or any of our subsidiaries), including as trustees or custodians, and the payment of cash in lieu of fractional shares; (vii) the exchange or conversion of Junior Stock or into other Junior Stock or of Parity Stock for or into other Parity Stock (with the same or lesser aggregate liquidation preference) or Junior Stock and the payment of cash in lieu of fractional shares; or (viii) the settlement of any convertible note hedge transactions or capped call transactions entered into in connection with the issuance, by us or any of our subsidiaries, of any debt securities that are convertible into, or exchangeable for, our common stock (or into or for any combination of cash and our common stock based on the value of our common stock), provided such convertible note hedge transactions or capped call transactions, as applicable, are on customary terms and were entered into either (a) before the Initial Issue Date or (b) in compliance with the foregoing provision. When dividends on shares of the Mandatory Convertible Preferred Stock (i) have not been declared and paid in full on any Dividend Payment Date (or, in the case of Parity Stock having dividend payment dates different from such Dividend Payment Dates, on a dividend payment date falling within a regular dividend period related to such Dividend Payment Date), or (ii) have been declared but a sum of cash or number of shares of our common stock sufficient for payment thereof has not been set aside for the benefit of the holders thereof on the applicable Regular Record Date, no dividends may be declared or paid on any shares of Parity Stock unless dividends are declared on the shares of the Mandatory Convertible Preferred Stock such that the respective amounts of such dividends declared on the shares of the Mandatory Convertible Preferred Stock and such shares of Parity Stock shall be allocated pro rata among the holders of the shares of the Mandatory Convertible Preferred Stock and the holders of any shares of Parity Stock then outstanding. For purposes of calculating the pro rata allocation of partial dividend payments, the Company shall allocate those payments so that the respective amounts of those payments for the declared dividend bear the same ratio to each other as all accumulated and unpaid dividends per share on the shares of the Mandatory Convertible Preferred Stock and all declared and unpaid dividends per share on such shares of Parity Stock bear to each other (subject to their having been declared by our Board, or an authorized committee thereof, out of legally available funds); provided, however, that any unpaid dividends on the Mandatory Convertible Preferred Stock will continue to accumulate except as described herein. For purposes of this calculation, with respect to non-cumulative Parity Stock, we will use the full amount of dividends that would be payable for the most recent dividend period if dividends were declared in full on such non-cumulative Parity Stock. Subject to the foregoing, and not otherwise, such dividends as may be determined by our Board, or an authorized committee thereof, may be declared and paid (payable in cash, securities or other property) on any securities, including our common stock and other Junior Stock, from time to time out of any funds legally available for such payment, and holders of the Mandatory Convertible Preferred Stock shall not be entitled to participate in any such dividends. Redemption: The Mandatory Convertible Preferred Stock will not be redeemable. However, at our option, we may purchase or exchange the Mandatory Convertible Preferred Stock from time to time in the open market, by tender or exchange offer or otherwise, without the consent of, or notice to, holders.

Acquisition Termination Redemption: For purposes of this section, references to: (a) “Juniper Acquisition” refer to the Merger Sub merging with and into Juniper, with Juniper continuing as the surviving corporation (the “Surviving Corporation”) and as a wholly owned subsidiary of HPE; (b) “Juniper” refer to Juniper Networks, Inc., a Delaware corporation; and (c) “Merger Agreement” refer to an Agreement and Plan of Merger (as amended or supplemented from time to time), by and among Juniper, HPE and Jasmine Acquisition Sub, Inc., a Delaware corporation and a wholly owned subsidiary of HPE (the “Merger Sub”). If (x) the consummation of the Juniper Acquisition does not occur on or before the later of (i) the date that is five business days after October 9, 2025 and (ii) the date that is five business days after any later date to which Juniper and we may agree to extend the “End Date” in the Merger Agreement or (y) we notify the holders in writing that we will not pursue the consummation of the Juniper Acquisition, we may within 75 calendar days, at our option, give notice of a redemption to the holders of the Mandatory Convertible Preferred Stock (provided that, to the extent the shares of Mandatory Convertible Preferred Stock are held in book-entry form through DTC, we may give such notice in any manner permitted by DTC). If we provide notice of acquisition termination redemption to holders of the Mandatory Convertible Preferred Stock, then, on the Acquisition Termination Redemption Date (as defined below), we will redeem the Mandatory Convertible Preferred Stock, in whole but not in part, at a redemption amount per Mandatory Convertible Preferred Stock equal to the Acquisition Termination Make-Whole Amount (as defined below).

Acquisition Termination Redemption Date means the date specified by us in our notice of acquisition termination redemption that is not less than 30 nor more than 60 days following the date on which we provide notice of such acquisition termination redemption; provided, that such date shall be a Business Day; provided, further, that, if the Acquisition Termination Share Price is greater than the Initial Price (as defined under “Mandatory Conversion”) and we elect to: (a) pay cash in lieu of delivering all or any portion of the shares of common stock equal to the Acquisition Termination Conversion Rate (as defined below), or (b) deliver common stock in lieu of all or any portion of the Acquisition Termination Dividend Amount (as defined below), the Acquisition Termination Redemption Date will be the second Business Day following the last Trading Day of the 20 consecutive Trading Day period used to determine the Acquisition Termination Market Value (as defined below).

Acquisition Termination Make-Whole Amount means, for each share of Mandatory Convertible Preferred Stock, an amount payable in cash equal to \$50.00 plus accumulated and unpaid dividends to, but excluding, the Acquisition Termination Redemption Date (whether or not declared); provided, that if the Acquisition Termination Share Price (as defined below) exceeds the Initial Price, the Acquisition Termination Make-Whole Amount will equal the Reference Amount (as defined below), which may be paid in cash, common stock or a combination thereof, as described below.

Acquisition Termination Share Price means the Average VWAP per ordinary share over the 10 consecutive Trading Day period ending on, and including, the Trading Day immediately preceding the date on which we provide notice of acquisition termination redemption. The “Reference Amount” means, for each share of Mandatory Convertible Preferred Stock, an amount equal to the sum of the following amounts: (a) a number of shares of common stock equal to the Acquisition Termination Conversion Rate; plus (b) cash in an amount equal to the Acquisition Termination Dividend Amount; provided that we may deliver cash in lieu of all or any portion of the common stock set forth in clause (i) above, and we may deliver shares of common stock in lieu of all or any portion of the cash amount set forth in clause (ii) above, in each case, as described below.

Acquisition Termination Conversion Rate means a rate equal to the Fundamental Change Conversion Rate (as defined under “Conversion at the Option of the Holder upon Fundamental Change; Fundamental Change Dividend Make-Whole Amount”) (General), assuming for such purpose that the date on which we provide notice of acquisition termination redemption is the Fundamental Change Effective Date (as defined under “Conversion at the Option of the Holder upon Fundamental Change; Fundamental Change Dividend Make-Whole Amount”) (Fundamental Change Conversion Rate), and that the Acquisition Termination Share Price is the Fundamental Change Share Price (as defined under “Conversion at the Option of the Holder upon Fundamental Change; Fundamental Change Dividend Make-Whole Amount”) (Fundamental Change Conversion Rate).

Acquisition Termination Dividend Amount means an amount of cash equal to the sum of: (a) the Fundamental Change Dividend Make-Whole Amount (as defined under “Conversion at the Option of the Holder upon Fundamental Change; Fundamental Change Dividend Make-Whole Amount”) (Fundamental Change Dividend Make-Whole Amount); and (b) the Accumulated Dividend Amount (as defined under “Conversion at the Option of the Holder upon Fundamental Change; Fundamental Change Dividend Make-Whole Amount”) (Fundamental Change Dividend Make-Whole Amount and Accumulated Dividend Amount), assuming in each case, for such purpose that the date on which we provide notice of acquisition termination redemption is the Fundamental Change Effective Date. If the Acquisition Termination Share Price exceeds the Initial Price, we may elect to pay cash in lieu of delivering all or any portion of the common stock equal to the Acquisition Termination Conversion Rate. If we make such an election, we will deliver cash (rounded to the nearest cent) in an amount equal to such common stock in respect of which we have made this election multiplied by the Acquisition Termination Market Value; and (b) we may elect to deliver common stock in lieu of paying cash for some or all of the Acquisition Termination Dividend Amount. If we make such an election, we will deliver common stock equal to such portion of the Acquisition Termination Dividend Amount to be paid in common stock divided by the greater of (x) the Floor Price and (y) 97% of the Acquisition Termination Market Value; provided, that if the Acquisition Termination Dividend Amount or portion thereof in respect of which common stock is delivered exceeds the product of common stock multiplied by 97% of the Acquisition Termination Market Value, we will, if we are legally able to do so, and to the extent permitted under the terms of the documents governing its indebtedness, pay such excess amount in cash (rounded to the nearest cent). To the extent that we are not able to pay such excess amount in cash under applicable law and in compliance with the terms of the indebtedness, we shall not have any obligation to pay such amount in cash or deliver additional shares of our common stock in respect of such amount, and such amount will not form part of the cumulative dividends that may be deemed to accumulate on the shares of the Mandatory Convertible Preferred Stock.

Acquisition Termination Market Value means the Average VWAP per ordinary share over the 20 consecutive Trading Day period commencing on, and including, the second Trading Day following the date on which we provide notice of acquisition termination redemption. If any portion of the Acquisition Termination Make-Whole Amount is to be paid in common stock, no fractional shares will be delivered to the holders of the Mandatory Convertible Preferred Stock. We will instead pay a cash adjustment to each holder that would otherwise be entitled to a fractional share based on the Average VWAP per ordinary share over the five consecutive Trading Day period ending on, and including, the Trading Day immediately preceding the Acquisition Termination Redemption Date. If more than one share of Mandatory Convertible Preferred Stock is to be redeemed from a holder, the number of shares of common stock issuable in connection with the payment of the Reference Amount shall be computed on the basis of the aggregate number of Mandatory Convertible Preferred Stock so redeemed. The notice of acquisition termination redemption will specify, among other things: (a) the Acquisition Termination Make-Whole Amount; (b) if the Acquisition Termination Share Price exceeds the Initial Price, the number of shares of common stock and the amount of cash comprising the Reference Amount per Mandatory Convertible Preferred Stock (before giving effect to any election to pay or deliver, with respect to each Mandatory Convertible Preferred Stock, cash in lieu of all or a portion of the common stock equal to the Acquisition Termination Conversion Rate or common stock lieu of some or all of the cash in respect of the

Acquisition Termination Dividend Amount); and (c) if the Acquisition Termination Share Price exceeds the Initial Price, whether we will pay cash in lieu of common stock equal to the Acquisition Termination Conversion Rate comprising a portion of the Reference Amount (specifying, if applicable, the number of such shares of common stock in respect of which cash will be paid); and (d) if the Acquisition Termination Share Price exceeds the Initial Price, whether we will deliver common stock in lieu of paying cash for all or any portion of the Acquisition Termination Dividend Amount comprising a portion of the Reference Amount (specifying, if applicable, the percentage of the Acquisition Termination Dividend Amount in respect of which common stock will be delivered in lieu of cash); and (e) the Acquisition Termination Redemption Date (specifying, as applicable, a fixed date or that the Acquisition Termination Redemption Date will be the second Business Day following the last Trading Day of the 20 consecutive Trading Day period used to determine the Acquisition Termination Market Value). To the extent a shelf registration statement is required in our reasonable judgment in connection with the issuance of or for resales of shares of common stock issued in payment of the Acquisition Termination Make-Whole Amount, we will, to the extent such a registration statement is not currently filed and effective, use our commercially reasonable efforts to file and maintain the effectiveness of such a shelf registration statement until the earlier of such time as all such shares of common stock have been resold thereunder and such time as all such shares of common stock are freely tradable without registration by holders thereof that are not, and have not been within the three months preceding, affiliates of ours for purposes of the Securities Act. To the extent applicable, we will also use our commercially reasonable efforts to have the common stock approved for listing on NYSE (or if our common stock is not listed on NYSE, on the principal other U.S. national or regional securities exchange on which our common stock are then listed) and qualified or registered under applicable state securities laws, if required; provided that we will not be required to qualify as a foreign corporation or to take any action that would subject us to general service of process in any such jurisdiction where we are not presently qualified or where we are not presently subject to taxation as a foreign corporation and such qualification or action would subject us to such taxation. The proceeds of this offering will not be deposited into an escrow account. Our ability to pay the Acquisition Termination Make-Whole Amount to holders of the Mandatory Convertible Preferred Stock in connection with a redemption may be limited by our then-existing financial resources, and following our election, if any, to redeem the Mandatory Convertible Preferred Stock, sufficient funds may not be available when necessary to pay the Acquisition Termination Make-Whole Amount. Liquidation Preference: In the event of our voluntary or involuntary liquidation, winding-up or dissolution, each holder of the Mandatory Convertible Preferred Stock will be entitled to receive a liquidation preference in the amount of \$50.00 per share of the Mandatory Convertible Preferred Stock (the "Liquidation Preference"), plus an amount (the "Liquidation Dividend Amount") equal to accumulated and unpaid dividends on such shares, whether or not declared, to, but excluding, the date fixed for liquidation, winding-up or dissolution, such amount to be paid out of our assets legally available for distribution to our stockholders, after satisfaction of debt and other liabilities owed to our creditors and holders of shares of any Senior Stock and before any payment or distribution is made to holders of Junior Stock (including our common stock). If, upon our voluntary or involuntary liquidation, winding-up or dissolution, the amounts payable with respect to (1) the Liquidation Preference plus the Liquidation Dividend Amount on the shares of the Mandatory Convertible Preferred Stock and (2) the liquidation preference of, and the amount of accumulated and unpaid dividends (to, but excluding, the date fixed for liquidation, winding-up or dissolution) on, all Parity Stock are not paid in full, the holders of the Mandatory Convertible Preferred Stock and all holders of any such Parity Stock will share equally and ratably in any distribution of our assets in proportion to their respective liquidation preferences and amounts equal to accumulated and unpaid dividends to which they are entitled. After payment to any holder of the Mandatory Convertible Preferred Stock of the full amount of the Liquidation Preference and the Liquidation Dividend Amount for such holder's shares of the Mandatory Convertible Preferred Stock, such holder of the Mandatory Convertible Preferred Stock will have no right or claim to any of our remaining assets. Neither the sale, lease nor exchange of all or substantially all of our assets or business (other than in connection with our liquidation, winding-up or dissolution), nor our merger or consolidation into or with any other person, will be deemed to be our voluntary or involuntary liquidation, winding-up or dissolution. Our Certificate of Incorporation and the Certificate of Designations will not contain any provision requiring funds to be set aside to protect the Liquidation Preference of the Mandatory Convertible Preferred Stock even though it is substantially in excess of the par value thereof. Voting Power: The holders of the Mandatory Convertible Preferred Stock will not have any voting rights or powers, except as described below and as specifically required by Delaware law or by our Certificate of Incorporation from time to time. Whenever dividends on any shares of the Mandatory Convertible Preferred Stock have not been declared and paid for the equivalent of six or more dividend periods, whether or not for consecutive dividend periods (a "Nonpayment"), the authorized number of directors on our Board will, at the next annual meeting of stockholders or at a special meeting of stockholders as provided below, automatically be increased by two and the holders of such shares of the Mandatory Convertible Preferred Stock, voting together as a single class with holders of any and all other series of Voting Preferred Stock (as defined below) then outstanding, will be entitled, at our next annual meeting of stockholders or at a special meeting of stockholders, if any, as provided below, to vote for the election of a total of two additional members of our Board (the "Preferred Stock Directors"); provided, that the election of any such Preferred Stock Directors will not cause us to violate the corporate governance requirements of the NYSE (or any other exchange or automated quotation system on which our securities may be listed or quoted) that requires listed or quoted companies to have a majority of independent directors; provided, further, that our Board shall, at no time, include more than two Preferred Stock Directors. In the event of a Nonpayment, the holders of record of at least 25% of the shares of the Mandatory Convertible Preferred Stock and any other series of Voting Preferred Stock may request that a special meeting of stockholders be called to elect such Preferred Stock Directors (provided, that if our next annual or a special meeting of stockholders is scheduled to be held within 90 days of the receipt of such request, the election of such Preferred Stock Directors, to the extent otherwise permitted by our amended and restated bylaws, will, instead, be included in the agenda for and will be held at such scheduled annual or special meeting of stockholders). The Preferred Stock Directors will stand for reelection annually, at each subsequent annual meeting of the stockholders, so long as the holders of the Mandatory Convertible Preferred Stock continue to have such voting powers. At any meeting at which the holders of the Mandatory Convertible Preferred Stock are entitled to elect Preferred Stock Directors, the holders of record of a majority in voting power of the then outstanding shares of the Mandatory Convertible Preferred Stock and all other series of Voting Preferred Stock, present in person or represented by proxy, will constitute a quorum and the vote of the holders of a majority in voting power of such shares of the Mandatory Convertible Preferred Stock and other Voting Preferred Stock so present or represented by proxy at any such meeting at which there shall be a quorum shall be sufficient to elect the Preferred Stock Directors. As used in this description, "electing Preferred Stock" means any other class or series of our Parity Stock upon which like voting powers for the election of directors have been conferred and are exercisable. If and when all accumulated and unpaid dividends on the Mandatory Convertible Preferred Stock have been paid in full, or declared and a sum or number of shares of our common stock sufficient for such payment shall have been set aside for the benefit of the holders thereof on the applicable Regular Record Date (a "Nonpayment Remedy"), the holders of the Mandatory Convertible Preferred Stock shall immediately and, without any further action by us, be divested of the foregoing voting powers, subject to the revesting of such powers in the event of each subsequent Nonpayment. If such voting powers for the holders of the Mandatory Convertible Preferred Stock and all other holders of Voting Preferred Stock have terminated, each Preferred Stock Director then in office shall automatically be disqualified as a director and shall no longer be a director and the term of office of each Preferred Stock Director so elected will terminate at such time and the authorized number of directors on our Board shall automatically decrease by two. Any Preferred Stock Director may be removed at any time, with or without cause, by the holders of record of a majority in voting power of the outstanding shares of the Mandatory Convertible Preferred Stock and any other series of Voting Preferred Stock then outstanding (voting together as a single class) when they have the voting powers described above. In the event that a Nonpayment shall have occurred and there shall not have been a Nonpayment Remedy, any vacancy in the office of a Preferred Stock Director (other than prior to the initial election of Preferred Stock Directors after a Nonpayment) may be filled by the written consent of the Preferred Stock Director remaining in office, except that in the event that such vacancy is created as a result of such Preferred Stock Director being removed, or if no Preferred Stock Director remains in office, then such vacancy may be filled by a vote of the holders of record of a majority in voting power of the outstanding shares of the Mandatory Convertible Preferred Stock and any other series of Voting Preferred Stock then outstanding (voting together as a single class) when they have the voting powers described above; provided, however, that the election of any such Preferred Stock Directors to fill such vacancy will not cause us to violate the corporate governance requirements of the NYSE (or any other exchange or automated quotation system on which our securities may be listed or quoted) that requires listed or quoted companies to have a majority of independent directors. The Preferred Stock Directors will each be entitled to one vote per director on any matter that comes before our Board for a vote. So long as any shares of the Mandatory Convertible Preferred Stock are outstanding, we will not, without the affirmative vote or consent of the holders of record of at least two-thirds in voting power of the outstanding shares of the Mandatory Convertible Preferred Stock and all other series of Voting Preferred Stock at the time outstanding and entitled to vote thereon, voting together as a single class, given in person or by proxy, by written consent without a meeting or by vote at an annual or special meeting of such stockholders: (a) amend or alter the provisions of our Certificate of Incorporation so as to authorize or create, or increase the authorized number of, any class or series of Senior Stock; (b) amend, alter or repeal any provision of our Certificate of Incorporation or the Certificate of Designations so as to materially and adversely affect the special rights, preferences or voting powers of the Mandatory Convertible Preferred Stock; (c) consummate a binding share exchange or reclassification involving the shares of the Mandatory Convertible Preferred Stock, a merger or consolidation of us with another entity or a conversion of the Company or domestication in or transfer to a foreign jurisdiction, unless in each case: (i) the shares of the Mandatory Convertible Preferred Stock remain outstanding following the consummation of such binding share exchange, reclassification, merger or consolidation or, in the case of (x) any such merger or consolidation with respect to which we are not the surviving or resulting entity (or the Mandatory Convertible Preferred Stock is otherwise exchanged or reclassified) or (y) any such conversion, domestication or transfer, are converted or reclassified into or exchanged for preference securities of the surviving or resulting entity, of the converted, domesticated or transferred entity or, in either case, such entity's ultimate parent; and (ii) the shares of the Mandatory Convertible Preferred Stock that remain outstanding or such shares of preference securities, as the case may be, have such rights, preferences and voting powers that, taken as a whole, are not materially less favorable to the holders thereof than the rights, preferences and voting powers, taken as a whole, of the Mandatory Convertible Preferred Stock immediately prior to the consummation of such transaction; provided, however, that in the event that a transaction would trigger voting powers under both the second and the third bullet point above, the third bullet point will govern; provided, further, however, that (1) any increase in the number of our authorized but unissued shares of our preferred stock, (2) any increase in the number of authorized or issued shares of the Mandatory Convertible Preferred Stock, (3) the creation and issuance, or increase in the authorized or issued number, of any class or series of Parity Stock or Junior Stock and (4) the application of the provisions described below under the caption "Recapitalizations, Reclassifications and Changes in our Common Stock", will be deemed not to adversely affect (or to otherwise cause to be materially less favorable) the rights, preferences or voting powers of the Mandatory Convertible Preferred Stock and shall not require the affirmative vote or consent of holders of the Mandatory Convertible Preferred Stock. Our Certificate of Incorporation and Delaware law permit us, without the approval of any of our stockholders (including any holders of the Mandatory Convertible Preferred Stock), to establish and issue a new series of preferred stock ranking equally with or junior to the Mandatory Convertible Preferred Stock, which may dilute the voting and other interests of holders of the Mandatory Convertible Preferred Stock. If any amendment, alteration, repeal, share exchange, reclassification, merger or consolidation or conversion, domestication or transfer described above would adversely affect the rights, preferences or voting powers of one or more but not all series of Voting Preferred Stock (including the Mandatory Convertible Preferred Stock for this purpose), then only the series of Voting Preferred Stock, the rights, preferences or voting powers of which are adversely affected and entitled to vote, shall vote as a class in lieu of all other series of Voting Preferred Stock. Without the vote or consent of the holders of the Mandatory Convertible Preferred Stock, so long as such action does not adversely affect the special rights, preferences or voting powers of the Mandatory Convertible Preferred Stock, and limitations and restrictions thereof, we may amend, alter, correct, supplement or repeal any terms of the Mandatory Convertible Preferred Stock by amending or supplementing our Certificate of Incorporation or the Certificate of Designations for the following purposes: (a) to cure any ambiguity, omission, inconsistency or mistake in any such agreement (including any provision contained in the Certificate of Designations that may be defective or inconsistent with any other provision contained in such Certificate of Designations); (b) to make any provision with respect to matters or questions relating to the Mandatory Convertible Preferred Stock that is not inconsistent with the provisions of our Certificate of Incorporation or the Certificate of Designations; (c) to waive any of our rights with respect to the Mandatory Convertible Preferred Stock; (d) to make any other change that does not materially and adversely affect the rights of any holder of the Mandatory Convertible Preferred Stock (other than any holder that consents to such change). In addition, without the consent of the holders of the Mandatory Convertible Preferred Stock, we may amend, alter, supplement or repeal any terms of the Mandatory Convertible Preferred Stock in order to (i) conform the terms thereof to the description of the terms of the Mandatory Convertible Preferred Stock set forth under "Description of Mandatory Convertible Preferred Stock" in the preliminary prospectus supplement relating to our offering of the Mandatory Convertible Preferred Stock, as supplemented and/or amended by any related pricing term sheet or (ii) file a certificate of correction with respect to the Certificate of Designations to the extent permitted by Section 103(f) of the Delaware General Corporation Law. In connection with any vote expressly set forth in this section, the number of votes that each share of Mandatory Convertible Preferred Stock (and any Voting Preferred Stock participating in the votes set forth in this section) will have will be equal to the respective per share liquidation preference amounts of the Mandatory Convertible Preferred Stock and such other Voting Preferred Stock. Mandatory Conversion: Each outstanding share of the Mandatory Convertible Preferred Stock will automatically convert on the Mandatory Conversion Date (as defined below), into a number of shares of our common stock equal to the Conversion Rate described below. The "Conversion Rate," which is the number of shares of our common stock issuable upon conversion of each share of the Mandatory Convertible Preferred Stock on the Mandatory Conversion Date (excluding any shares of our common stock issued in respect of accrued and unpaid dividends, as described below), will be as follows: (a) if the Applicable Market Value (as defined below) of our common stock is greater than the Threshold Appreciation Price, which is approximately \$19.72, the Conversion Rate will be 2.5352 shares of our common stock per share of the Mandatory Convertible Preferred Stock (the "Minimum Conversion Rate"); (b) if the Applicable Market Value of our common stock is less than or equal to the Threshold Appreciation Price but equal to or greater than the Initial Price, which is approximately \$16.10, the Conversion Rate will be equal to \$50.00, divided by the Applicable Market Value of our common stock, rounded to the nearest ten-thousandth of a share; or (c) if the Applicable Market Value of our common stock is less than the Initial Price, the Conversion Rate will be 3.1056 shares of our common stock per share of the Mandatory Convertible Preferred Stock (the "Maximum Conversion Rate"). For the avoidance of doubt, the Conversion Rate per share of the Mandatory Convertible Preferred Stock will in no event exceed the Maximum Conversion Rate, subject to adjustment as described under "Anti-Dilution Adjustments" below and exclusive of any amounts owing in respect of any Additional Conversion Amount or any accrued and unpaid dividends paid at our election in shares of common stock. We refer to the Minimum Conversion Rate and the Maximum Conversion Rate collectively as the "Fixed Conversion Rates." The Fixed Conversion Rates are subject to adjustment as described under "Anti-Dilution Adjustments" below. The "Threshold Appreciation Price" is calculated by dividing \$50.00 by the Minimum Conversion Rate, and represents approximately 22.5% appreciation over the Initial Price. The "Initial Price" is calculated by dividing \$50.00 by the Maximum Conversion Rate and initially equals approximately \$16.10, the closing price of our common stock on September 10, 2024. If we declare a dividend on the Mandatory Convertible Preferred Stock for the dividend period ending on, but excluding, September 1, 2027, we will pay such dividend to the holders of record as of the immediately preceding Regular Record Date, as described above under "Dividends." If, on or prior to September 1, 2027 we have not declared a dividend payable in the amount of all or any portion of the accumulated and unpaid dividends on the Mandatory Convertible Preferred Stock, the Conversion Rate will be adjusted so that holders receive an additional number of shares of our common stock equal to: (a) the amount of such undeclared, accumulated and unpaid dividends per share of the Mandatory Convertible Preferred Stock (the "Additional Conversion Amount"), divided by (b) the greater of (x) the Floor Price and (y) 97% of the Average Price (calculated using September 1, 2027, as the applicable Dividend Payment Date). To the extent that the Additional Conversion Amount exceeds the product of such number of additional shares and 97% of the Average Price, we will, if we are legally able to do so, and to the extent permitted under the terms of the documents governing our indebtedness, declare and pay such excess amount in cash (computed to the nearest cent) pro rata per share to the holders of the Mandatory Convertible Preferred Stock. Any such payment in cash may not be permitted by our then existing debt instruments. To the extent that we are not able to pay such excess amount in cash under applicable law and in compliance with our indebtedness, we will not have any obligation to pay such amount in cash or deliver additional shares of our common stock in respect of such amount, and such amount will not form a part of the cumulative dividends on the shares of the Mandatory Convertible Preferred

hypothetical conversion values upon mandatory conversion: For illustrative purposes only, the following table shows the number of shares of our common stock that a holder of the Mandatory Convertible Preferred Stock would receive upon mandatory conversion of one share of the Mandatory Convertible Preferred Stock at various Applicable Market Values for our common stock. The table assumes that there will be no conversion adjustments as described above for any Additional Conversion Amount or as described below in “Anti-Dilution Adjustments” and that dividends on the Mandatory Convertible Preferred Stock will be declared and paid in cash (and not in additional shares of our common stock). The actual Applicable Market Value of our common stock may differ from those set forth in the table below. Given an Initial Price of approximately \$16.10 and a Threshold Appreciation Price of approximately \$19.72, a holder of the Mandatory Convertible Preferred Stock would receive on the Mandatory Conversion Date the number of shares of our common stock per share of the Mandatory Convertible Preferred Stock set forth below, subject to the provisions described below with respect to any fractional share of our common stock. Assumed Applicable Market Value of our common stock: Number of shares of our common stock to be received upon mandatory conversion: Assumed conversion value (calculated as Applicable Market Value multiplied by the number of shares of our common stock to be received upon mandatory conversion)

Assumed Applicable Market Value of our common stock	Number of shares of our common stock to be received upon mandatory conversion
\$13.50	1.3056
\$13.506	1.3056
\$13.5064	1.3056
\$13.5068	1.3056
\$13.5072	1.3056
\$13.5076	1.3056
\$13.508	1.3056
\$13.5084	1.3056
\$13.5088	1.3056
\$13.5092	1.3056
\$13.5096	1.3056
\$13.51	1.3056
\$13.5104	1.3056
\$13.5108	1.3056
\$13.5112	1.3056
\$13.5116	1.3056
\$13.512	1.3056
\$13.5124	1.3056
\$13.5128	1.3056
\$13.5132	1.3056
\$13.5136	1.3056
\$13.514	1.3056
\$13.5144	1.3056
\$13.5148	1.3056
\$13.5152	1.3056
\$13.5156	1.3056
\$13.516	1.3056
\$13.5164	1.3056
\$13.5168	1.3056
\$13.5172	1.3056
\$13.5176	1.3056
\$13.518	1.3056
\$13.5184	1.3056
\$13.5188	1.3056
\$13.5192	1.3056
\$13.5196	1.3056
\$13.52	1.3056
\$13.5204	1.3056
\$13.5208	1.3056
\$13.5212	1.3056
\$13.5216	1.3056
\$13.522	1.3056
\$13.5224	1.3056
\$13.5228	1.3056
\$13.5232	1.3056
\$13.5236	1.3056
\$13.524	1.3056
\$13.5244	1.3056
\$13.5248	1.3056
\$13.5252	1.3056
\$13.5256	1.3056
\$13.526	1.3056
\$13.5264	1.3056
\$13.5268	1.3056
\$13.5272	1.3056
\$13.5276	1.3056
\$13.528	1.3056
\$13.5284	1.3056
\$13.5288	1.3056
\$13.5292	1.3056
\$13.5296	1.3056
\$13.53	1.3056
\$13.5304	1.3056
\$13.5308	1.3056
\$13.5312	1.3056
\$13.5316	1.3056
\$13.532	1.3056
\$13.5324	1.3056
\$13.5328	1.3056
\$13.5332	1.3056
\$13.5336	1.3056
\$13.534	1.3056
\$13.5344	1.3056
\$13.5348	1.3056
\$13.5352	1.3056
\$13.5356	1.3056
\$13.536	1.3056
\$13.5364	1.3056
\$13.5368	1.3056
\$13.5372	1.3056
\$13.5376	1.3056
\$13.538	1.3056
\$13.5384	1.3056
\$13.5388	1.3056
\$13.5392	1.3056
\$13.5396	1.3056
\$13.54	1.3056
\$13.5404	1.3056
\$13.5408	1.3056
\$13.5412	1.3056
\$13.5416	1.3056
\$13.542	1.3056
\$13.5424	1.3056
\$13.5428	1.3056
\$13.5432	1.3056
\$13.5436	1.3056
\$13.544	1.3056
\$13.5444	1.3056
\$13.5448	1.3056
\$13.5452	1.3056
\$13.5456	1.3056
\$13.546	1.3056
\$13.5464	1.3056
\$13.5468	1.3056
\$13.5472	1.3056
\$13.5476	1.3056
\$13.548	1.3056
\$13.5484	1.3056
\$13.5488	1.3056
\$13.5492	1.3056
\$13.5496	1.3056
\$13.55	1.3056
\$13.5504	1.3056
\$13.5508	1.3056
\$13.5512	1.3056
\$13.5516	1.3056
\$13.552	1.3056
\$13.5524	1.3056
\$13.5528	1.3056
\$13.5532	1.3056
\$13.5536	1.3056
\$13.554	1.3056
\$13.5544	1.3056
\$13.5548	1.3056
\$13.5552	1.3056
\$13.5556	1.3056
\$13.556	1.3056
\$13.5564	1.3056
\$13.5568	1.3056
\$13.5572	1.3056
\$13.5576	1.3056
\$13.558	1.3056
\$13.5584	1.3056
\$13.5588	1.3056
\$13.5592	1.3056
\$13.5596	1.3056
\$13.56	1.3056
\$13.5604	1.3056
\$13.5608	1.3056
\$13.5612	1.3056
\$13.5616	1.3056

Under the Fundamental Change Conversion Period, then we will pay such dividend on the relevant Dividend Payment Date to the holders of record at the Close of Business on such Regular Record Date, as described in “Dividends,” and the Accumulated Dividend Amount will not include the amount of such dividend, and the Fundamental Change Dividend Make-Whole Amount will not include the present value of such dividend. The Accumulated Dividend Amount will be payable at our option (subject to satisfaction of the requirements described below) in cash (computed to the nearest cent), to the extent we are legally permitted to do so and to the extent permitted under the terms of the documents governing our indebtedness, in an additional number of shares of our common stock (or Units of Exchange Property) equal to (i) the Accumulated Dividend Amount, divided by (ii) the greater of (x) the Floor Price and (y) 97% of the Fundamental Change Stock Price, or through a combination of cash and shares of our common stock (or Units of Exchange Property) in accordance with the provisions of the preceding two bullets. We will pay the Fundamental Change Dividend Make-Whole Amount and the Accumulated Dividend Amount in cash, except to the extent we elect on or prior to the second Business Day following the Fundamental Change Effective Date to make all or any portion of such payments in shares of our common stock (or Units of Exchange Property). In addition, if we elect to deliver common stock (or Units of Exchange Property) in respect of all or any portion of the Fundamental Change Dividend Make-Whole Amount or the Accumulated Dividend Amount, to the extent that the Fundamental Change Dividend Make-Whole Amount or the Accumulated Dividend Amount or the dollar amount of any portion thereof paid in common stock (or Units of Exchange Property) exceeds the product of (x) the number of additional shares we deliver in respect thereof and (y) 97% of the Fundamental Change Stock Price, we will, if we are legally able to do so, and to the extent permitted under the terms of the documents governing our indebtedness, pay such excess amount in cash (computed to the nearest cent). Any such payment in cash may not be permitted by our then existing debt instruments, including any restricted payments covenants. To the extent that we are not able to pay such excess amount in cash under applicable law and in compliance with our indebtedness, we will not have any obligation to pay such amount in cash or deliver additional shares of our common stock in respect of such amount, and such amount will not form a part of the cumulative dividends that may be deemed to accumulate on the shares of the Mandatory Convertible Preferred Stock. However, if we are prohibited from paying or delivering, as the case may be, the Fundamental Change Dividend Make-Whole Amount (whether in cash or in shares of our common stock), in whole or in part, due to limitations of applicable Delaware law, then the Fundamental Change Conversion Rate will instead be increased by a number of shares of common stock equal to the cash amount of the aggregate unpaid and undelivered Fundamental Change Dividend Make-Whole Amount, divided by the greater of (i) the Floor Price and (ii) 97% of the Fundamental Change Stock Price. To the extent that the cash amount of the aggregate unpaid and undelivered Fundamental Change Dividend Make-Whole Amount exceeds the product of such number of additional shares and 97% of the Fundamental Change Stock Price, we will not have any obligation to pay the shortfall in cash or deliver additional shares of our common stock in respect of such amount. No fractional shares of our common stock (or to the extent applicable, Units of Exchange Property) will be delivered to converting holders of the Mandatory Convertible Preferred Stock in respect of the Fundamental Change Dividend Make-Whole Amount or the Accumulated Dividend Amount. We will instead, to the extent we are legally permitted to do so and to the extent permitted under the terms of the documents governing our indebtedness, pay a cash amount (computed to the nearest cent) to each converting holder that would otherwise be entitled to receive a fraction of a share of our common stock (or to the extent applicable, Units of Exchange Property) based on the Average VWAP per share of our common stock (or to the extent applicable, Units of Exchange Property) over the five consecutive Trading Day period ending on, and including, the Trading Day immediately preceding the Fundamental Change Conversion Date. In the event that we cannot pay cash in lieu of a fractional share, we will instead round up to the nearest whole share for each holder, and we shall not have any obligation to pay such amount in cash and such amount shall not form a part of the cumulative dividends that may be deemed to accumulate on the shares of Mandatory Convertible Preferred Stock. Not later than the second Business Day following the Fundamental Change Effective Date, we will notify holders of the Fundamental Change Conversion Rate (if we provide notice to holders prior to the anticipated Fundamental Change Effective Date, specifying how the Fundamental Change Conversion Rate will be determined), the Fundamental Change Dividend Make-Whole Amount and whether we will pay such amount in cash, shares of our common stock (or to the extent applicable, Units of Exchange Property) or a combination thereof, specifying the combination, if applicable; if applicable, and the Accumulated Dividend Amount as of the Fundamental Change Effective Date and whether we will pay such amount in cash, shares of our common stock (or to the extent applicable, Units of Exchange Property) or a combination thereof, specifying the combination, if applicable. Our obligation to deliver shares at the Fundamental Change Conversion Rate and pay the Fundamental Change Dividend Make-Whole Amount (whether in cash, our common stock or any combination thereof) could be considered a penalty, in which case the enforceability thereof would be subject to general principles of reasonableness of economic remedies. Conversion Procedures: Upon Mandatory Conversion: Any outstanding shares of the Mandatory Convertible Preferred Stock will mandatorily and automatically convert into shares of common stock on the Mandatory Conversion Date. A holder of the Mandatory Convertible Preferred Stock will not be required to pay any transfer or similar taxes or duties relating to the issuance or delivery of our common stock upon conversion, but such holder will be required to pay any tax or duty that may be payable relating to any transfer involved in the issuance or delivery of the common stock in a name other than the name of such holder. A certificate representing the shares of common stock issuable upon conversion will be issued and delivered to the converting holder, or, if the Mandatory Convertible Preferred Stock being converted is in global form, the shares of common stock issuable upon conversion shall be delivered to the converting holder through the facilities of DTC, in each case together with delivery by us to the converting holder of any cash to which the converting holder is entitled, only after all applicable taxes and duties, if any, payable by you have been paid in full, and such shares and cash will be delivered on the later of (i) the Mandatory Conversion Date and (ii) the Business Day after you have paid in full all applicable taxes and duties, if any. The person or persons entitled to receive the shares of our common stock issuable upon mandatory conversion of the Mandatory Convertible Preferred Stock will be treated as the record holder(s) of such shares as of the Close of Business on the Mandatory Conversion Date. Prior to the Close of Business on the Mandatory Conversion Date, the common stock issuable upon conversion of the Mandatory Convertible Preferred Stock on the Mandatory Conversion Date will not be deemed to be outstanding for any purpose and you will have no rights, powers or preferences with respect to such common stock, including voting powers, rights to respond to tender offers and rights to receive any dividends or other distributions on the common stock, by virtue of holding the Mandatory Convertible Preferred Stock. Upon Early Conversion or Upon Early Fundamental Change Conversion: If a holder of the Mandatory Convertible Preferred Stock elects to convert the Mandatory Convertible Preferred Stock prior to the Mandatory Conversion Date, in the manner described in “Early Conversion at the Option of the Holder” or “Conversion at the Option of the Holder upon Fundamental Change; Fundamental Change Dividend Make-Whole Amount” (an “Early Fundamental Change Conversion”), such holder must observe the following conversion procedures: (a) If shares of the Mandatory Convertible Preferred Stock are in global form, to convert the Mandatory Convertible Preferred Stock such holder must deliver to DTC the appropriate instruction form for conversion pursuant to DTC’s conversion program. If shares of the Mandatory Convertible Preferred Stock are held in certificated form, such holder must comply with certain procedures set forth in the Certificate of Designations. In either case, if required, such holder must pay all transfer or similar taxes or duties, if any, as described below. The “Conversion Date” will be the date on which such holder has satisfied the foregoing requirements with respect to an Early Conversion or an Early Fundamental Change Conversion. Such holder will not be required to pay any transfer or similar taxes or duties relating to the issuance or delivery of our common stock if such holder exercises its conversion rights, except that such holder will be required to pay any tax or duty that may be payable relating to any transfer involved in the issuance or delivery of the common stock in a name other than the name of such holder. A certificate representing shares of common stock issuable upon conversion will be issued and delivered to the converting holder, or, if the Mandatory Convertible Preferred Stock being converted is in global form, the shares of common stock issuable upon conversion shall be delivered through the facilities of DTC, in each case together with delivery by us to the converting holder of any cash to which the converting holder is entitled, only after all applicable taxes and duties, if any, payable by the converting holder have been paid in full, and such shares and cash will be delivered on the latest of (i) the second Business Day immediately succeeding the Conversion Date, (ii) if applicable, the second Business Day immediately succeeding the last day of the Early Conversion Settlement Period and (iii) the Business Day after such holder has paid in full all applicable taxes and duties, if any. The person or persons entitled to receive the shares of common stock issuable upon an Early Conversion or an Early Fundamental Change Conversion of the Mandatory Convertible Preferred Stock will be treated as the record holder(s) of such shares as of the Close of Business on the applicable Conversion Date. Prior to the Close of Business on the applicable Conversion Date, the shares of common stock issuable upon conversion of any shares of the Mandatory Convertible Preferred Stock will not be deemed to be outstanding for any purpose, and a holder of the Mandatory Convertible Preferred Stock will have no rights, powers or preferences with respect to such common stock, including voting powers, rights to respond to tender offers for the common stock and rights to receive any dividends or other distributions on the common stock, by virtue of holding the Mandatory Convertible Preferred Stock. Fractional Shares: No fractional shares of our common stock will be issued to holders of the Mandatory Convertible Preferred Stock upon conversion. In lieu of any fractional shares of our common stock otherwise issuable in respect of the aggregate number of shares of the Mandatory Convertible Preferred Stock of any holder that are converted, that holder will be entitled to receive an amount in cash (computed to the nearest cent) equal to the product of: (i) that same fraction; and (ii) the Average VWAP of our common stock over the five consecutive Trading Day period ending on, and including, the Trading Day immediately preceding the applicable Conversion Date. In the event that we cannot pay cash in lieu of a fractional share, we will instead round up to the nearest whole share for each holder and we shall not have any obligation to pay such amount in cash and such amount shall not form a part of the cumulative dividends that may be deemed to accumulate on the shares of Mandatory Convertible Preferred Stock. Subject to any applicable rules and procedures of DTC, if more than one share of the Mandatory Convertible Preferred Stock is to be automatically converted on the Mandatory Conversion Date or is surrendered for conversion at one time, in each case, by or for the same holder, the number of full shares of our common stock issuable upon conversion thereof shall be computed on the basis of the aggregate number of shares of the Mandatory Convertible Preferred Stock to be automatically converted or so surrendered, as the case may be. Anti-Dilution Adjustments: Each Fixed Conversion Rate will be adjusted as described below, except that we will not make any adjustments to the Fixed Conversion Rates if holders of the Mandatory Convertible Preferred Stock participate (other than in the case of a share split or share combination), at the same time and upon the same terms as holders of our common stock and solely as a result of holding the Mandatory Convertible Preferred Stock, in any of the transactions described below without having to convert their Mandatory Convertible Preferred Stock as if they held a number of shares of common stock equal to (i) the Maximum Conversion Rate as of the record date for such transaction, multiplied by (ii) the number of shares of the Mandatory Convertible Preferred Stock held by such holder. (1) If we exclusively issue shares of our common stock as a dividend or distribution on shares of our common stock, or if we effect a share split or share combination, each Fixed Conversion Rate will be adjusted based on the following formula:
$$\frac{A \times \text{CR1} \times \text{CR0} \times \text{X} + \text{Y}}{A \times \text{CR1} \times \text{CR0} \times \text{X} + \text{Y} + \text{Z}}$$
 where, CR0 = such Fixed Conversion Rate in effect immediately prior to the Close of Business on the record date (as defined below) of such dividend or distribution, or immediately prior to the Open of Business on the effective date of such share split or share combination, as applicable; CR1 = such Fixed Conversion Rate in effect immediately after the Close of Business on such record date or immediately after the Open of Business on such effective date, as applicable; OS0 = the number of shares of our common stock outstanding immediately prior to the Close of Business on such record date or immediately prior to the Open of Business on such effective date, as applicable, before giving effect to such dividend, distribution, share split or share combination; and OS1 = the number of shares of our common stock outstanding immediately after giving effect to such dividend, distribution, share split or share combination. Any adjustment made under this clause (1) shall become effective immediately after the Close of Business on the record date for such dividend or distribution, or immediately after the Open of Business on the effective date for such share split or share combination, as applicable. If any dividend or distribution of the type described in this clause (1) is declared but not so paid or made, each Fixed Conversion Rate shall be immediately readjusted, effective as of the date our Board or an authorized committee thereof determines not to pay such dividend or distribution, to such Fixed Conversion Rate that would then be in effect if such dividend or distribution had not been declared. For the purposes of this clause (1), the number of shares of our common stock outstanding immediately prior to the Close of Business on the record date or immediately prior to the Open of Business on the relevant effective date, as the case may be, and the number of shares of our common stock outstanding immediately after giving effect to such dividend, distribution, share split or share combination shall, in each case, not include shares that we hold in treasury. We will not pay any dividend or make any distribution on shares of our common stock that we hold in treasury. (2) If we effect a dividend, distribution, share split or share combination, as applicable, the date fixed for determination of holders of our common stock (or such other security) entitled to receive such cash, securities or other property (whether such date is fixed by our Board or a duly authorized committee thereof, statute, contract or otherwise). (2) If we issue to all or substantially all holders of our common stock any rights, options or warrants entitling them, for a period of not more than 45 calendar days after the announcement date of such issuance, to subscribe for or purchase shares of our common stock at a price per share that is less than the Average VWAP per share of our common stock for the ten consecutive Trading Day period ending on, and including, the Trading Day immediately preceding the date of announcement of such issuance, each Fixed Conversion Rate will be increased based on the following formula:
$$\frac{A \times \text{CR1} \times \text{CR0} \times \text{X} + \text{Y} + \text{Z}}{A \times \text{CR1} \times \text{CR0} \times \text{X} + \text{Y} + \text{Z} + \text{W}}$$
 where, CR0 = such Fixed Conversion Rate in effect immediately prior to the Close of Business on the record date for such issuance; CR1 = such Fixed Conversion Rate in effect immediately after the Close of Business on such record date; OS0 = the number of shares of our common stock outstanding immediately prior to the Close of Business on such record date; X = the total number of shares of our common stock issuable pursuant to such rights, options or warrants; and Y = the number of shares of our common stock equal to (i) the aggregate price payable to exercise such rights, options or warrants, divided by (ii) the Average VWAP per share of our common stock over the ten consecutive Trading Day period ending on, and including, the Trading Day immediately preceding the date of announcement of the issuance of such rights, options or warrants. Any increase made under this clause (2) will be made successively whenever any such rights, options or warrants are issued and shall become effective immediately after the Close of Business on the record date for such issuance. To the extent that such rights, options or warrants are not exercised prior to their expiration or shares of common stock are not delivered after the exercise of such rights, options or warrants, each Fixed Conversion Rate shall be decreased to such Fixed Conversion Rate that would then be in effect had the increase with respect to the issuance of such rights, options or warrants been made on the basis of delivery of only the number of shares of common stock actually delivered, if any. If such rights, options or warrants are not so issued, each Fixed Conversion Rate shall be immediately readjusted, effective as of the date our Board or an authorized committee thereof determines not to issue such rights, options or warrants, to such Fixed Conversion Rate that would then be in effect if such record date for such issuance had not occurred. For the purpose of this clause (2), in determining whether any rights, options or warrants entitle the holders of our common stock to subscribe for or purchase shares of our common stock at less than such Average VWAP per share for the ten consecutive trading day period ending on, and including, the Trading Day immediately preceding the date of announcement of such issuance, and in determining the aggregate offering price of such shares of our common stock, there shall be taken into account any consideration received by us for such rights, options or warrants and any amount payable on exercise or conversion thereof, the value of such consideration, if other than cash, to be determined by our Board or an authorized committee thereof. (3) (A) If we distribute shares of our capital stock, evidences of our indebtedness, other assets or property of ours or rights, options or warrants to acquire our capital stock or other securities, to all or substantially all holders of our common stock, excluding: (i) dividends, distributions or issuances as to which the provisions set forth in clause (1) or (2) shall apply; (ii) dividends or distributions paid exclusively in cash as to which the provisions set forth in clause (4

conversion Rate in effect immediately after the Close of Business on such record date; SPO =the Average VWAP per share of our common stock over the ten consecutive Trading Day period ending on, and including, the Trading Day immediately preceding the ex-date (as defined below) for such distribution; and FMV =the fair market value (as determined by our Board or an authorized committee thereof in good faith) of the shares of capital stock, evidences of indebtedness, assets, property, rights, options or warrants so distributed, expressed as an amount per share of our common stock on the ex-date for such distribution. $\text{CR1} = \frac{\text{FMV}}{\text{Average VWAP per share of the capital stock over the ten consecutive Trading Day period ending on, and including, the Trading Day immediately preceding the ex-date for such distribution}}$ means the first date on which the shares of our common stock trade on the applicable exchange or in the applicable market, regular way, without the right to receive the issuance, dividend or distribution in question, from us or, if applicable, from the seller of our common stock on such exchange or market (in the form of due bills or otherwise) as determined by such exchange or market. Any increase made under clause (3)(A) above will become effective immediately after the Close of Business on the record date for such distribution. If such distribution is not so paid or made, each Fixed Conversion Rate shall be immediately readjusted, effective as of the date our Board or an authorized committee thereof determines not to pay such dividend or distribution, to be such Fixed Conversion Rate that would then be in effect if such distribution had not been declared. Notwithstanding the foregoing, if $\text{CR1} \geq \text{CR2}$ (as defined above) is equal to or greater than CR2 (as defined above), or if the difference is less than \$1.00, in lieu of the foregoing increase, each holder shall receive, in respect of each share of the Mandatory Convertible Preferred Stock, at the same time and upon the same terms as holders of our common stock, the amount and kind of our capital stock, evidences of our indebtedness, other assets or property of ours or rights, options or warrants to acquire our capital stock or other securities that such holder would have received if such holder owned a number of shares of common stock equal to the Maximum Conversion Rate in effect on the record date for the distribution. If we issue rights, options or warrants that are only exercisable upon the occurrence of certain triggering events, then we will not adjust the Fixed Conversion Rates pursuant to the foregoing in this clause (3)(A) until the earliest of these triggering events occurs; and we will readjust the Fixed Conversion Rates to the extent any of these rights, options or warrants are not exercised before they expire or are terminated without exercise by any holder thereof; provided that the rights, options or warrants trade together with our common stock and will be issued in respect of future issuances of the shares of our common stock. (3)(B) With respect to an adjustment where there has been a payment of a dividend or other distribution on our common stock of shares of capital stock of any class or series, or similar equity interest, of or relating to a subsidiary or other business unit, that are, or, when issued, will be, listed or admitted for trading on a U.S. national securities exchange, which we refer to as the spin-off, each Fixed Conversion Rate will be increased based on the following formula: $\text{CR1} = \frac{\text{CR2} \times (\text{FMV} + \text{Dividend})}{\text{FMV}}$ where, CR2 =such Fixed Conversion Rate in effect immediately prior to the Open of Business on the ex-date for the spin-off; CR1 =such Fixed Conversion Rate in effect immediately after the Open of Business on the ex-date for the spin-off; FMV =the Average VWAP per share of the capital stock or similar equity interest distributed to holders of our common stock applicable to one share of our common stock over the ten consecutive Trading Day period commencing on, and including, the ex-date for the spin-off (the "evaluation period"); and MP0 =the Average VWAP per share of our common stock over the valuation period. The increase to each Fixed Conversion Rate under the preceding paragraph will be calculated as of the Close of Business on the last Trading Day of the valuation period but will be given retroactive effect as of immediately after the Open of Business on the ex-date of the spin-off. Because we will make the adjustment to each Fixed Conversion Rate with retroactive effect, we will delay the settlement of any conversion of the Mandatory Convertible Preferred Stock where any date for determining the number of shares of our common stock issuable to a holder occurs during the valuation period until the second Business Day after the last Trading Day of such valuation period. If such dividend or distribution is not so paid, each Fixed Conversion Rate shall be decreased, effective as of the date our Board or an authorized committee thereof determines not to make or pay such dividend or distribution, to be such Fixed Conversion Rate that would then be in effect if such dividend or distribution had not been declared. (4) If any cash dividend or distribution is made to all or substantially all holders of our common stock other than a regular, quarterly cash dividend that does not exceed \$0.13 per share (the "Initial Dividend Threshold"), each Fixed Conversion Rate will be adjusted based on the following formula: $\text{CR1} = \frac{\text{CR2} \times (\text{FMV} + \text{Dividend})}{\text{FMV}}$ where, CR2 =such Fixed Conversion Rate in effect immediately prior to the Close of Business on the record date for such dividend or distribution; CR1 =such Fixed Conversion Rate in effect immediately after the Close of Business on the record date for such dividend or distribution; SPO =the Average VWAP per share of our common stock over the ten consecutive Trading Day period ending on, and including, the Trading Day immediately preceding the ex-date for such distribution; T =the Initial Dividend Threshold; provided that if the dividend or distribution is not a regular quarterly cash dividend, the Initial Dividend Threshold will be deemed to be zero; and C =the amount in cash per share we distribute to all or substantially all holders of our common stock. The Initial Dividend Threshold is subject to adjustment in a manner inversely proportional to adjustments to each Fixed Conversion Rate; provided that no adjustment will be made to the Initial Dividend Threshold for any adjustment to each Fixed Conversion Rate under this clause (4). Any increase made under this clause (4) shall become effective immediately after the Close of Business on the record date for such dividend or distribution. If such dividend or distribution is not so paid, each Fixed Conversion Rate shall be decreased, effective as of the date our Board or an authorized committee thereof determines not to make or pay such dividend or distribution, to be such Fixed Conversion Rate that would then be in effect if such dividend or distribution had not been declared. Notwithstanding the foregoing, if $\text{CR1} \geq \text{CR2}$ (as defined above) is equal to or greater than CR2 (as defined above), or if the difference is less than \$1.00, in lieu of the foregoing increase, each holder shall receive, for each share of the Mandatory Convertible Preferred Stock, at the same time and upon the same terms as holders of shares of our common stock, the amount of cash that such holder would have received if such holder owned a number of shares of our common stock equal to the Maximum Conversion Rate on the record date for such cash dividend or distribution. (5) If we or any of our subsidiaries make a payment in respect of a tender or exchange offer for our common stock (and excluding a tender offer solely to holders of fewer than 100 shares of our common stock), to the extent that the cash and value of any other consideration included in the payment per share of common stock exceeds the Average VWAP per share of our common stock over the ten consecutive Trading Day period (the "averaging period") commencing on, and including, the Trading Day next succeeding the last date on which tenders or exchanges may be made pursuant to such tender or exchange offer (the "expiration date"), each Fixed Conversion Rate will be increased based on the following formula: $\text{CR1} = \frac{\text{CR2} \times (\text{FMV} + \text{Value})}{\text{FMV}}$ where, CR2 =such Fixed Conversion Rate in effect immediately prior to the Close of Business on the expiration date; CR1 =such Fixed Conversion Rate in effect immediately after the Close of Business on the expiration date; AC =the aggregate value of all cash and any other consideration (as determined by our Board or an authorized committee thereof in good faith) paid or payable for shares purchased in such tender or exchange offer; OS0 =the number of shares of our common stock outstanding immediately prior to the expiration date (prior to giving effect to the purchase of all shares accepted for purchase or exchange in such tender or exchange offer); OS1 =the number of shares of our common stock outstanding immediately after the expiration date (after giving effect to the purchase of all shares accepted for purchase or exchange in such tender or exchange offer); and SP1 =the Average VWAP of our common stock over the averaging period. The increase to each Fixed Conversion Rate under the preceding paragraph will be calculated at the Close of Business on the last Trading Day of the averaging period but will be given retroactive effect as of immediately after the Close of Business on the expiration date. Because we will make the adjustment to each Fixed Conversion Rate with retroactive effect, we will delay the settlement of any conversion of the Mandatory Convertible Preferred Stock where any date for determining the number of shares of our common stock issuable to a holder occurs during the averaging period until the second Business Day after the last Trading Day of the averaging period. For the avoidance of doubt, no adjustment under this clause (5) will be made if such adjustment would result in a decrease in any Fixed Conversion Rate; except as set forth below. In the event that we or one of our subsidiaries is obligated to purchase shares of common stock pursuant to any such tender offer or exchange offer, but we or such subsidiary is permanently prevented by applicable law from effecting any such purchases, or all such purchases are rescinded, then each Fixed Conversion Rate shall again be adjusted to be such Fixed Conversion Rate that would then be in effect if such tender offer or exchange offer had not been made (or had been made only in respect of the purchases that have been made and not rescinded). For the avoidance of doubt, for purposes of this clause (5), the term "offer" is used as such term is used in the Exchange Act and the term "exchange offer" means an exchange offer that constitutes a tender offer. We may, to the extent permitted by law and the rules of NYSE or any other securities exchange on which our common stock or the Mandatory Convertible Preferred Stock is then listed, increase each Fixed Conversion Rate by any amount for a period of at least 20 Business Days if such increase is irrevocable during such 20 Business Days and our Board, or a committee thereof, determines that such increase would be in our best interest. In addition, we may make such increases in each Fixed Conversion Rate as we deem advisable in order to avoid or diminish any income tax to holders of our common stock resulting from any dividend or distribution of shares of our common stock (or issuance of rights or warrants to acquire shares of our common stock) or from any event treated as such for income tax purposes or for any other reason. We may only make such a discretionary adjustment if we make the same proportionate adjustment to each Fixed Conversion Rate. Holders of the Mandatory Convertible Preferred Stock may, in certain circumstances, including a distribution of cash dividends to holders of our shares of common stock, be deemed to have received a distribution subject to U.S. Federal income tax as a dividend as a result of an adjustment or the nonoccurrence of an adjustment to the Fixed Conversion Rates. If we have a rights plan in effect upon conversion of the Mandatory Convertible Preferred Stock into common stock, such holder will receive, in addition to any shares of common stock received in connection with such conversion, the rights under the rights plan. However, if, prior to any conversion, the rights have separated from the shares of common stock in accordance with the provisions of the applicable rights plan, each Fixed Conversion Rate will be adjusted at the time of separation as if we distributed to all or substantially all holders of our common stock, shares of our capital stock, evidences of indebtedness, assets, property, rights, options or warrants as described in clause (3)(A) above, subject to readjustment in the event of the expiration, termination or redemption of such rights. We do not currently have a stockholder rights plan in effect. Adjustments to the Fixed Conversion Rates will be calculated to the nearest 1/10,000th of a share of our common stock. No adjustment to any Fixed Conversion Rate will be required unless the adjustment would require an increase or decrease of at least 1% of the Fixed Conversion Rate; provided, however, that if an adjustment is not made because the adjustment does not change the Fixed Conversion Rates by at least 1%, then such adjustment will be carried forward and taken into account in any future adjustment. Notwithstanding the foregoing, on each date for determining the number of shares of our common stock issuable to a holder upon any conversion of the Mandatory Convertible Preferred Stock, we will give effect to all adjustments that we have otherwise deferred pursuant to this sentence, and those adjustments will no longer be carried forward and taken into account in any future adjustment. The Fixed Conversion Rates will not be adjusted: (a) upon the issuance of any shares of our common stock pursuant to any present or future plan providing for the reinstatement of dividends or interest payable on our securities and the investment of additional optional amounts in common stock under any plan; (b) upon the issuance of any shares of our common stock or warrants, options, units or other rights to or securities exercisable for the purchase or issuance of those shares pursuant to any present or future retirement, deferred compensation, incentive, equity or other benefit plan or program or assumed by us or any of our subsidiaries; (c) upon the issuance of any shares of our common stock pursuant to any option, warrant, right or exercisable, exchangeable or convertible security not described in the preceding bullet and outstanding as of the Initial Issue Date; (d) for a change in the par value of our common stock; (e) for stock repurchases that are not tender or exchange offers referred to in clause (5) of the adjustments above, including structured or derivative transactions or pursuant to a stock repurchase program approved by our Board; (f) as a result of a tender offer that satisfies the exception described in clause (5) above for offers solely to holders of fewer than 100 shares of our common stock; (g) as a result of a tender or exchange offer by a person other than us or one or more of our subsidiaries; (h) for accumulated dividends on the Mandatory Convertible Preferred Stock, except as described above under "Mandatory Conversion, Early Conversion at the Option of the Holder" and "Conversion at the Option of the Holder upon Fundamental Change; Fundamental Change Dividend Make-Whole Amount"; or (i) as a result of a tender or exchange offer by a person other than us or one or more of our subsidiaries. Except as otherwise provided above, we will be responsible for making all calculations called for under the Mandatory Convertible Preferred Stock. These calculations include, but are not limited to, determinations of the Fundamental Change Stock Price, the VWAPs, the Average VWAPs and the Fixed Conversion Rates of the Mandatory Convertible Preferred Stock and shall be made in good faith. We will be required, within ten Business Days after the Fixed Conversion Rates are adjusted, to provide or cause to be provided written notice of the adjustment to the holders of the Mandatory Convertible Preferred Stock. We will also be required to deliver a statement setting forth in reasonable detail the method by which the adjustment to each Fixed Conversion Rate was determined and setting forth each adjusted Fixed Conversion Rate. For the avoidance of doubt, if an adjustment is made to the Fixed Conversion Rates, no separate inversely proportionate adjustment will be made to the Initial Price or the Threshold Appreciation Price because the Initial Price is equal to \$50.00 divided by the Maximum Conversion Rate (as adjusted in the manner described herein) and the Threshold Appreciation Price is equal to \$50.00 divided by the Minimum Conversion Rate (as adjusted in the manner described herein). Whenever the terms of the Mandatory Convertible Preferred Stock require us to calculate the VWAP per share of our common stock over a span of multiple days, our Board or an authorized committee thereof will make appropriate adjustments in good faith (including, without limitation, to the Applicable Market Value, the Early Conversion Average Price, the Fundamental Change Stock Price and the Average Price (as the case may be)) to account for any adjustments to the Fixed Conversion Rates (as the case may be) that become effective, or any event that would require such an adjustment if the ex-date, effective date, record date or expiration date (as the case may be) of such event occurs, during the relevant period used to calculate such prices or values (as the case may be). If a dividend or distribution on shares of our common stock occurs after the end of the 20 consecutive Trading Day period used for calculating the Applicable Market Value and before the Mandatory Conversion Date, and that dividend or distribution would have resulted in an adjustment of the number of shares issuable to the holders of the Mandatory Convertible Preferred Stock had such record date occurred on or before the last Trading Day of such 20-Trading Day period, then we will deem the holders of the Mandatory Convertible Preferred Stock to be holders of record of our common stock for purposes of that dividend or distribution. In this case, the holders of the Mandatory Convertible Preferred Stock would receive the dividend or distribution on our common stock together with the number of shares of our common stock issuable upon mandatory conversion of the Mandatory Convertible Preferred Stock. Recapitalizations, Reclassifications and Changes of Our Common Stock: In the event of: (a) any consolidation or merger of us with or into another person or any conversion of the Company or domestication in or transfer to a foreign jurisdiction; (b) any sale, transfer, lease or conveyance to another person of all or substantially all of our property and assets; (c) any reclassification of our common stock into securities, including securities other than our common stock; or (d) any statutory exchange of our securities with another person (other than in connection with a merger or acquisition or conversion of the Company or domestication in or transfer to a foreign jurisdiction), in each case, as a result of which our common stock would be converted into, or exchanged for, stock, other securities or other property or assets (including cash or any combination thereof) (each, a "Reorganization Event"), each share of the Mandatory Convertible Preferred Stock outstanding immediately prior to such Reorganization Event shall, without the consent of the holders of the Mandatory Convertible Preferred Stock, become convertible into the kind of stock, other securities or other property or assets (including cash or any combination thereof) that such holder would have been entitled to receive if such holder had converted its Mandatory Convertible Preferred Stock into common stock

the purpose of calculating the conversion rate if the second bullet is applicable, the value of a Unit of Exchange Property will be determined in good faith by our Board or an authorized committee thereof (which determination will be final), except that if a Unit of Exchange Property includes common stock or American Depositary Receipts, or âADRs,â that are traded on a U.S. national securities exchange, the value of such common stock or ADRs will be the average over the 20 consecutive Trading Day period used for calculating the Applicable Market Value of the volume-weighted average prices for such common stock or ADRs, as displayed on the applicable Bloomberg screen (as determined in good faith by our Board or an authorized committee thereof (which determination will be final)); or, if such price is not available, the average market value per share of such common stock or ADRs over such period as determined, using a volume-weighted average method, by a nationally recognized independent investment banking firm retained by us for this purpose. The provisions of this paragraph will apply to successive Reorganization Events, and the provisions summarized under âAnti-Dilution Adjustmentsâ will apply to any shares of capital stock or ADRs of us or any successor received by the holders of shares of our common stock in any such Reorganization Event.In connection with any adjustment to each Fixed Conversion Rate described above, we will also adjust the Initial Dividend Threshold (as defined under âAnti-Dilution Adjustmentsâ) based on the number of shares of common stock comprising the Exchange Property and (if applicable) the value of any non-stock consideration comprising the Exchange Property. If the Exchange Property is composed solely of non-stock consideration, the Initial Dividend Threshold will be zero.We (or any successor to us) will, as soon as reasonably practicable (but in any event within 20 calendar days) after the occurrence of any Reorganization Event provide written notice to the holders of the Mandatory Convertible Preferred Stock of such occurrence and of the kind and amount of cash, securities or other property that constitute the Exchange Property. Failure to deliver such notice will not affect the operation of the provisions described in this section.It is possible that certain consolidations, mergers, combinations or other transactions could result in tax gains or losses to the holders either as a result of the transaction or the conversion thereafter. Holders are encouraged to consult with their own tax advisors regarding the tax consequences of the ownership, disposition and conversion of the Mandatory Convertible Preferred Stock.Reservation of Shares: We will at all times reserve and keep available out of the authorized and unissued shares of common stock, solely for issuance upon conversion of the Mandatory Convertible Preferred Stock, the maximum number of shares of our common stock as shall be issuable from time to time upon the conversion of all the shares of the Mandatory Convertible Preferred Stock then outstanding.Transfer Agent, Registrar and Conversion and Dividend Disbursing Agent: Equiniti Trust Company, LLC is the transfer agent, registrar and conversion and dividend disbursing agent for the Mandatory Convertible Preferred Stock.Book-Entry, Delivery and Form: The Mandatory Convertible Preferred Stock will be issued in global form. DTC or its nominee will be the sole registered holder of the Mandatory Convertible Preferred Stock. Ownership of beneficial interests in the Mandatory Convertible Preferred Stock in global form will be limited to persons who have accounts with DTC (âParticipantsâ) or persons who hold interests through such Participants. Ownership of beneficial interests in the Mandatory Convertible Preferred Stock in global form will be shown on, and the transfer of that ownership will be effected only through, records maintained by DTC or its nominee (with respect to interests of Participants) and the records of Participants (with respect to interests of persons other than Participants).So long as DTC, or its nominee, is the registered owner or holder of a global certificate representing the shares of the Mandatory Convertible Preferred Stock, DTC or such nominee, as the case may be, will be considered the sole holder of the shares of the Mandatory Convertible Preferred Stock represented by such global certificate for all purposes under the Certificate of Designations. No beneficial owner of an interest in the shares of the Mandatory Convertible Preferred Stock in global form will be able to transfer that interest except in accordance with the applicable procedures of DTC in addition to those provided for under the Certificate of Designations.Payments of dividends on the global certificate representing the shares of the Mandatory Convertible Preferred Stock will be made to DTC or its nominee, as the case may be, as the registered holder thereof. None of us, the transfer agent, registrar, conversion or dividend disbursing agent will have any responsibility or liability for any aspect of the records relating to or payments made on account of beneficial ownership interests in a global certificate representing the shares of the Mandatory Convertible Preferred Stock or for maintaining, supervising or reviewing any records relating to such beneficial ownership interests.We expect that DTC or its nominee, upon receipt of any payment of dividends in respect of a global certificate representing the shares of the Mandatory Convertible Preferred Stock, will credit Participantsâ accounts with payments in amounts proportionate to their respective beneficial ownership interests in the aggregate Liquidation Preference of such global certificate representing the shares of the Mandatory Convertible Preferred Stock as shown on the records of DTC or its nominee, as the case may be. We also expect that payments by Participants to owners of beneficial interests in such global certificate representing the shares of the Mandatory Convertible Preferred Stock held through such Participants will be governed by standing instructions and customary practices, as is now the case with securities held for the accounts of customers registered in the names of nominees for such customers. Such payments will be the responsibility of such Participants.Transfers between Participants in DTC will be effected in the ordinary way in accordance with DTC rules and will be settled in same-day funds.We understand that DTC is:âa limited purpose trust company organized under the laws of the State of New York;âa âbanking organizationâ within the meaning of New York Banking Law;âa member of the Federal Reserve System;âa âclearing corporationâ within the meaning of the Uniform Commercial Code; andâa âClearing Agencyâ registered pursuant to the provisions of Section 17A of the Exchange Act.DTC was created to hold securities for its Participants and facilitate the clearance and settlement of securities transactions between Participants through electronic book-entry changes in accounts of its Participants, thereby eliminating the need for physical movement of certificates. Participants include:âsecurities brokers and dealers;âbanks and trust companies; andâclearing corporations and certain other organizations.Indirect access to the DTC system is available to others such as banks, brokers, dealers and trust companies that clear through or maintain a custodial relationship with a Participant, either directly or indirectly (indirect Participants).Although DTC is expected to follow the foregoing procedures in order to facilitate transfers of interests in a global security among its Participants, it is under no obligation to perform or continue to perform such procedures, and such procedures may be discontinued at any time. None of us, the transfer agent, registrar, conversion or dividend disbursing agent will have any responsibility for the performance by DTC or its Participants or indirect Participants of their respective obligations under the rules and procedures governing their operations.If DTC is at any time unwilling or unable to continue as a depository for the shares of the Mandatory Convertible Preferred Stock in global form or DTC ceases to be registered as a clearing agency under the Exchange Act, and in either case a successor depository is not appointed by us within 90 days, we will issue certificated shares in exchange for the global securities. Beneficial interests in the Mandatory Convertible Preferred Stock in global form held by any direct or indirect participant may also be exchanged for certificated shares upon request to DTC by such direct participant (for itself or on behalf of an indirect participant), to the transfer agent in accordance with their respective customary procedures.The information in this section concerning DTC and its book-entry system has been obtained from sources that we believe to be reliable, but we take no responsibility for the accuracy thereof.Certain Anti-Takeover EffectsWe are subject to the provisions of Section 203 of the DGCL, which, subject to certain exceptions, prohibits a Delaware corporation from engaging in any business combination with any interested stockholder for a period of three years following the time that such stockholder became an interested stockholder, unless:a.prior to such time, the board of directors of the corporation approved either the business combination or the transaction that resulted in the stockholder becoming an interested stockholder;b.upon consummation of the transaction that resulted in the stockholder becoming an interested stockholder, the interested stockholder owned at least 85% of the voting stock of the corporation outstanding at the time the transaction commenced, excluding for purposes of determining the number of shares outstanding those shares owned:i.by persons who are directors and also officers; andii.by employee stock plans in which employee participants do not have the right to determine confidentially whether shares held subject to the plan will be tendered in a tender or exchange offer; orc.at or subsequent to such time the business combination is approved by the board of directors and authorized at an annual or special meeting of the stockholders, and not by written consent, by the affirmative vote of at least 6 2/3% of the outstanding voting stock that is not owned by the interested stockholder.In general, Section 203 defines âbusiness combinationâ to include:a.any merger or consolidation involving (i) the corporation or a direct or indirect majority-owned subsidiary of the corporation and (ii) the interested stockholder or any other corporation, partnership or entity if the merger or consolidation is caused by the interested stockholder and as a result of such merger or consolidation any of (a), (b) or (c) above is not applicable to the surviving entity;b.any sale, lease, exchange, mortgage, transfer, pledge or other disposition of 10% or more of the assets or outstanding stock of the corporation or any direct or indirect majority-owned subsidiary of the corporation to or with the interested stockholder;c.subject to certain exceptions, any transaction that results in the issuance or transfer by the corporation or any direct or indirect majority-owned subsidiary of the corporation of any stock of the corporation or such subsidiary to the interested stockholder;d.any transaction involving the corporation or any direct or indirect majority-owned subsidiary of the corporation that has the effect of increasing the proportionate share of the stock of any class or series, or securities convertible into the stock of any class or series, of the corporation or any such subsidiary which is beneficially owned by the interested stockholder; ore.the receipt by the interested stockholder of the benefit, directly or indirectly, of any loans, advances, guarantees, pledges or other financial benefits provided by or through the corporation or any direct or indirect majority-owned subsidiary of the corporation.In general, Section 203 defines an âinterested stockholderâ as any person who or which beneficially owns 15% or more of the outstanding voting stock of the corporation or any person affiliated or associated with or controlling or controlled by the corporation that was the owner of 15% or more of the outstanding voting stock of the corporation at any time within the three-year period immediately prior to the date of determination if such person is an interested stockholder, and the affiliates and associates of such person.The existence of this provision would be expected to have an anti-takeover effect with respect to transactions not approved in advance by our board of directors, including discouraging takeover attempts that might result in a premium over the market price for the shares of common stock held by stockholders.Authorized but Unissued SharesOur authorized but unissued shares of common stock and preferred stock will generally be available for future issuance without your approval. We may use such additional shares for a variety of purposes, including future public offerings to raise additional capital, to fund acquisitions and as employee compensation. The existence of authorized but unissued shares of common stock and preferred stock could render more difficult or discourage an attempt to obtain control of Hewlett Packard Enterprise by means of a proxy contest, tender offer, merger or otherwise.7.625% Series C Mandatory Convertible Preferred StockHolders of our 7.625% Series C Mandatory Convertible Preferred Stock have the right to convert their shares upon the occurrence of a âFundamental Change,â which could have the effect of discouraging third parties from pursuing certain transactions with us, which may otherwise be in the best interest of our stockholders. See âPreferred Stockâ above.Exclusive ForumOur Bylaws provide that unless we select or consent in writing to the selection of an alternative forum (a) the sole and exclusive forum for any complaint asserting any internal corporate claims (as defined in Section 115 of the DGCL), to the fullest extent permitted by law, and subject to applicable jurisdictional requirements, shall be the Court of Chancery of the State of Delaware (or, if the Court of Chancery does not have, or declines to accept, jurisdiction, another state court or a federal court located within the State of Delaware); and (b) the sole and exclusive forum for any complaint asserting a cause of action arising under the Securities Act of 1933, as amended, to the fullest extent permitted by law, shall be the federal district courts of the United States of America. While the Delaware Supreme Court has upheld the validity of similar provisions under the DGCL, there is uncertainty as to whether a court in another state would enforce such a forum selection provision. Our exclusive forum provision does not relieve us of our duties to comply with the federal securities laws, and nothing in the exclusive forum provision of our Bylaws affects suits brought to enforce a duty or liability created by the Securities Exchange Act of 1934, as amended, or any other claim for which the federal courts have exclusive jurisdiction. EX-194 ex-19xhpeinsidertradingpol.htm EX-19 DocumentA A A A A A Exhibit 19Insider Trading PolicyPurposeCompliance with the U.S. securities laws is an area of critical importance to Hewlett Packard Enterprise Company (âHPEâ). In furtherance of that goal, HPE has developed this policy (the âPolicyâ) to help its directors, officers and employees comply with the federal securities laws and the rules of the U.S. Securities and Exchange Commission (âSECâ) relating to insider trading.It is important that you understand the breadth of activities that constitute illegal insider trading and the consequences, which can be serious. The U.S. Department of Justice (âDOJâ), the SEC, the New York Stock Exchange (âNYSEâ), and the Financial Industry Regulatory Authority (âFINRAâ) all investigate and are very effective at detecting insider trading violations. Cases have been successfully prosecuted against individuals as a result of trades involving only a small number of shares. There are no exceptions to this Policy, even for situations that may seem necessary or justifiable (such as the need to raise money for an emergency expenditure) or small transactions. If material non-public information is inadvertently disclosed â no matter what the circumstances â the person making or discovering that disclosure should immediately report the disclosure to HPEâs Insider Trading Compliance at InsiderTrading.Compliance@hpe.com. ScopeDuring the course of your association with HPE, you may receive important information that has not yet been publicly announced by HPE or concerning other publicly traded companies with which HPE has business dealings (âmaterial non-public informationâ). This Policy prohibits the purchase or sale of HPE securities, or securities of any Business Partner (as defined below in Section 7), while you are aware of material non-public information concerning HPE or such other publicly traded company which you acquired as a result of performing your duties at HPE. This Policy must be followed by all full- and part-time HPE employees and contractors, all members of the HPE Board of Directors, and all of HPEâs external advisors (all of which are collectively referred to in this policy as âcovered personsâ).This Policy also applies to (i) anyone who lives in a covered personâs household and any family members who do not live with a covered person, but whose transactions in HPE securities or the securities of Business Partners are directed by, or are subject to, a covered personâs influence or control, such as parents or children who consult with the covered person before they trade in HPE securities (collectively, âFamily Membersâ) and (ii) entities controlled by a covered person or the covered personâs Family Members (âRelated Entitiesâ). It is your obligation to make Family Members and Related Entities aware of, and understand and comply with, the provisions and obligations of this Policy. 1.Prohibited Activity.The U.S. securities laws prohibit any person from trading in securities of an issuer while the person is aware of material non-public information about that issuer. A covered person who is aware of material non-public information about HPE may not legally trade in HPE securities until a reasonable time (usually 24 hours) after HPE discloses the information to the public. The same trading restrictions that apply to covered persons under the U.S. insider trading laws also apply to Family Members and Related Entities. In addition, covered persons who are aware of material non-public information when their employment or other service relationship with HPE terminates may not trade in HPE securities until that information has been publicly disclosed or is no longer material.U.S. insider trading laws also prohibit âtipping,â which covers disclosing or passing material non-public information to others or making recommendations to others about the purchase or sale of HPE securities while a person is aware of material non-public information, and such other persons then trade in HPE securities or the securities of Business Partners (a âtippeeâ). This behavior is prohibited, even if you do not receive a benefit or the tippee does not receive a benefit from the transaction. This Policy also prohibits you from causing another person to trade on the basis of material non-public information.U.S. insider trading laws apply to people outside the U.S. who trade within the U.S. Similar laws in other countries may apply to trading by covered persons who are located in those countries or to trades on exchanges that are located there. In addition, Member States of the European Union have implemented legislation restricting insider trading, and many other European countries apply similar laws.2.Material Information.Information is âmaterialâ if there is a substantial likelihood that a reasonable investor would consider it important in making an investment decision (i.e., to buy, hold or sell securities), or there is a substantial likelihood that the information would have been viewed by a reasonable investor as having significantly altered the total mix of information made available. Any information that could be expected to affect the price of a security, whether it is positive or negative, should be considered material. The below list contains some examples of information that ordinarily would be regarded as material:âConsolidated reported worldwide, reporting segment or regional revenue, margins, earnings or other significant financial information, including guidance, projections, and/or forecasts;âMergers, acquisitions, tender offers, joint ventures or changes in assets;âMajor new products or discoveries;âSignificant customer or supplier news;âChanges in control or changes in executive management;âChanges in auditors or auditor resignation;âEvents affecting HPEâs securities, such as a change in dividend policy, the declaration of a stock split or stock dividend, the approval of a repurchase plan, or an offering of additional securities;âActual or threatened major litigation or the resolution of such litigation; âKnowledge of a significant data security, privacy or cybersecurity incident; orâCommunications with government agencies.The foregoing list is not exhaustive; other kinds of information also may be material, depending on their quantitative and qualitative significance. Covered personsâ transactions will be scrutinized after the fact, with the benefit of hindsight. As a practical matter, before engaging in any transaction, all covered persons should carefully consider how enforcement authorities and others might view the transactions in hindsight. Questions concerning the materiality of particular information should be resolved in favor of concluding that it is material. When in doubt, it is best not to transact in HPE securities. 3.Non-public Information.Non-public information is information that has not been disseminated in a manner making it generally available to investors and giving them a reasonable time to react to the information. Generally speaking, information will be considered publicly disseminated after one full trading day has elapsed since the date of public disclosure of the information. For example, if the release/call/filing occurs prior to the

market opening on a Wednesday, the blackout ends at the close of regular trading on Wednesday, and a covered person could resume trading on the following Thursday (assuming the covered person is not otherwise aware of material non-public information).An SEC filing, a widely disseminated HPE press release or a properly noticed, publicly available webcast generally are acceptable methods of disseminating information such that, following such dissemination and the passage of the time period noted above, the information will no longer be considered non-public. However, information disseminated solely through other methods, such as a posting on HPEâ€™s internal or external website or in a meeting, conference or presentation not open to the general public or major media, likely would not satisfy this requirement.4.Trading Activities.Trading activities in HPE securities that are prohibited while a covered person is aware of material non-public information (and during any applicable closed trading window, as discussed below) include:â€¢Buying or selling HPE shares in the open market (including short selling of HPE securities);â€¢Buying or selling HPE debt securities (debentures, bonds or notes);â€¢Selling shares that were purchased upon exercise of an HPE stock option;â€¢Making a cash payment to avoid the sale or withholding of HPE shares that would otherwise have been executed by HPE on behalf of the covered person to cover amounts that must be withheld for the payment of taxes upon the vesting of a stock award (a covered person may elect to pay (or pre-pay) the tax that will be due when a stock award vests, provided that (i) the election is made during an open trading window and when the covered person is not aware of any material non-public information about HPE, and (ii) the election is irrevocable such that it will result in the automatic payment of such tax in cash at the time of vesting without any further action by the covered person);â€¢Increases or decreases in the portion of an HPE employeeâ€™s periodic contributions to HPEâ€™s 401(k) plan for the U.S. that will be allocated to an HPE stock fund account;â€¢Increases (including new enrollment) or decreases in the HPE employeeâ€™s periodic contribution rate to the HPE employee stock purchase plan;â€¢Borrowing money against a 401(k) plan account or prepaying a 401(k) plan loan where the borrowing or loan prepayment will result in the increase or decrease of the funds in an HPE stock fund account in the 401(k) plan;â€¢Transferring funds to or from an HPE stock fund account in the 401(k) plan; enrolling in the HPE employee stock purchase plan;â€¢Selling HPE shares purchased under the HPE employee stock purchase plan; â€¢Gifts of HPE shares; andâ€¢Voluntary purchases resulting from any additional contributions made to the HPE dividend reinvestment plan.Trading activities in HPE securities that are not prohibited while a covered person is aware of material non-public information (and that are not prohibited during any applicable closed trading window, as discussed below) include:â€¢Regular, continuing purchases of HPE shares through HPEâ€™s employee stock purchase plan are not prohibited if the HPE employee already is enrolled in the plan;â€¢Purchases of HPE shares under HPEâ€™s 401(k) plan for the U.S. resulting from periodic contributions to the plan pursuant to automatic payroll deductions;â€¢Purchases, without sale, of shares through the exercise of an HPE stock option, where such exercise also does not involve the sale of any shares;â€¢Automatic purchases of HPE shares under the HPE dividend reinvestment plan resulting from the reinvestment of dividends paid on HPE shares; orâ€¢Trades pursuant to a pre-approved Rule 10b5-1 trading plan (as discussed below).This Policy does not apply to the vesting of restricted stock or the vesting and delivery of restricted stock units and performance-based equity awards. This Policy does apply, however, to any market sale by a covered person of any stock underlying such equity awards, even if the sale is to satisfy any tax obligations arising with respect to the equity awards. For the avoidance of doubt, the foregoing prohibition does not apply to the exercise of a tax withholding right pursuant to which you elect to have HPE withhold shares of common stock subject to such equity awards to satisfy tax withholding requirements.5.Trading Windows.HPE imposes quarterly â€œtrading windowsâ€ on certain individuals, including:â€¢Members of the HPE Board of Directors;â€¢HPE executives who are designated by the Board of Directors as â€œofficersâ€ pursuant to Section 16 of the Exchange Act (collectively, the â€œSection 16 Officersâ€ and, together with the members of the Board of Directors, the â€œSection 16 Insidersâ€); â€¢HPE vice presidents (including non-Section 16 Officer executive vice presidents and senior vice presidents);â€¢HPE director-level employees;â€¢Employees in the Legal Department at the â€œstrategicâ€ job level; andâ€¢All other employees and other covered persons with access to some or all of the following interim financial data about HPEâ€™s fiscal quarter-to-date results:oHPE worldwide or regional consolidated top and/or bottom line financial information; oHPE worldwide top and/or bottom line financial information for one or more reporting segments.Those persons and their Family Members and Related Entities may trade HPE securities only during the period that the trading window is â€œopenâ€ and only if they are not then aware of any material non-public information about HPE. HPEâ€™s quarterly trading windows tentatively open with the market 24 hours after quarterly or annual earnings results are released and close on the last trading day of the second month of the fiscal quarter.A trading calendar specifying the period of each quarterly trading window will be published in advance of each fiscal year and will be posted on the Insider Trading Compliance site. Additionally, trading window notices are sent quarterly before the earnings release to all persons who have been identified as being subject to trading window restrictions, notifying them of the period that their trading window will be open during the next quarter. Such notifications will also be published on the Insider Trading Compliance site. However, each such person is required to comply with the trading window during a particular quarter, even if he or she did not receive a trading window notice. Any failure to review, or the failure of HPE to provide, periodic notices and/or memorandums regarding quarterly trading windows is not an excuse for failure to comply with this Policy.In addition to adhering to the quarterly trading windows, please note that special blackout periods may be imposed from time to time if, in the judgment of Internal Trading Compliance or the Deputy General Counsel, Corporate Securities and M&A, there exists undisclosed information that would make trading in HPE securities inappropriate for certain or all covered persons. The fact that a special blackout period has been imposed, or that a quarterly trading window has been shortened, should itself be considered material non-public information. Even during an open trading window when a blackout period is not in effect, at no time may covered persons (including their Family Members and Related Entities) trade in HPE securities when aware of material non-public information about HPE. For example, a person that is aware that HPE is about to sign and announce a large acquisition should not trade in HPE securities until the transaction is signed and announced or negotiations are terminated, regardless of whether the trading window is open or closed.6.Pre-Clearance and Advance NoticeIn order to avoid unintentional violations of federal securities laws, the Section 16 Insiders are required to pre-clear any transaction (i.e., sales, purchases or gifts in HPE securities) with Insider Trading Compliance at InsiderTrading.Compliance@hpe.com before engaging in the transaction. Pre-clearance is required so that HPE will be in a position to aid the individual in determining whether material non-public information exists, avoiding short-swing profit recovery, and assuring that appropriate Form 4, Form 5 and Form 144 filings are timely made with the SEC, if required. If a Section 16 Insiderâ€™s request to transact in HPE securities is approved, such approval will remain in effect until the earlier of the then-open trading window closure or the Section 16 Insider learns of any material non-public information. 7.Trading in Securities of Other Companies.HPE policy prohibits trading in the securities of any company (i) with which HPE does business, such as customers, channel partners, suppliers, and other business partners or (ii) that is involved in a potential transaction or business relationship with HPE, such as potential acquisition targets (such companies, â€œBusiness Partnersâ€), by persons who are aware of material non-public information about such company acquired as a result of performing his or her duties at HPE. To facilitate compliance with these restrictions, HPE may impose temporary trading windows on covered persons who are working on transactions involving HPE and one or more other publicly traded companies in the situation referenced in clause (ii) above. If that occurs, those covered persons will be notified that they may not trade in the securities of such other company until all material non-public information about the transaction and that company is no longer non-public or no longer material. In addition, if the transaction is potentially material to HPE, the temporary trading restriction also may extend to trading in HPE securities.You should also be aware that insider trading includes situations where, among other things, the individual trades in the securities of other companies that are economically-linked to HPE (e.g., competitors) based on material non-public information concerning HPE or its securities obtained as a result of performing his or her duties at HPE.8.Prohibited Transactions.Covered persons may not engage in any of the following transactions at any time:Short SalesShort sales of HPEâ€™s securities evidence an expectation on the part of the seller that the securities will decline in value. Short sales of HPEâ€™s securities may also be a signal to the market that the seller does not have confidence in HPE or its prospects. In addition, short sales of HPE securities may reduce the sellerâ€™s incentive to improve HPEâ€™s performance since the seller can benefit from a decline in the value of HPEâ€™s securities. For these reasons, short sales of HPEâ€™s securities by covered persons are prohibited.OptionsA transaction in options (other than options granted under an HPE stock option plan) is, in effect, a bet on the short-term movement of HPEâ€™s stock and, therefore, could create an impression that the trader is trading based on material non-public information. Transactions in options also may focus a covered personâ€™s attention on short-term performance at the expense of HPEâ€™s long-term objectives. Accordingly, transactions by covered persons in puts, calls or other derivatives of HPEâ€™s securities, regardless of whether or not such securities or derivatives are traded on an exchange or in any other organized market, are prohibited.Hedging TransactionsCertain transactions, such as prepaid variable forwards, equity swaps, collars and exchange funds, may allow a person to lock in much of the value of his or her stock holdings, often in exchange for giving up all or part of the potential for upside appreciation in the stock. These transactions allow the person to continue to own the covered securities, but without the full risks and rewards of ownership. When that occurs, a covered person may no longer have the same objectives as HPEâ€™s other stockholders. Therefore, covered persons are prohibited from engaging in any such transactions that involve HPE securities. Any questions about what constitutes a â€œhedging transactionâ€ for purposes of this paragraph should be directed to Insider Trading Compliance at InsiderTrading.Compliance@hpe.com. Margin Accounts and PledgesSecurities held in a â€œmargin account,â€ which shall be deemed to mean a margin account in which HPE securities are subject to margin calls, may be sold by the broker without the customerâ€™s consent if the customer fails to meet a margin call. Similarly, securities pledged as collateral for a loan may be sold in foreclosure if the borrower defaults on the loan or, in many instances, if the value of the collateral falls. Because a margin sale or foreclosure sale may occur at a time when the pledgor is aware of material non-public information about HPE, covered persons are prohibited from holding HPE securities subject to margin calls in a margin account or pledging such securities as collateral.9.Rule 10b5-1 Trading Plans.U.S. insider trading laws permit a person to establish a â€œRule 10b5-1 planâ€ at a time when the person is not aware of any material non-public information about HPE and then trade in HPE securities at a later time, even if that person is aware of material non-public information about HPE at the time of the transaction. Covered persons may only establish a 10b5-1 plan during an open window period, when not in possession of material, non-public information for use when trading in HPE securities. Information about establishing a Rule 10b5-1 plan is available on the Insider Trading Compliance site at: ITC 10b5-1 Information.10.Post-Termination TransactionsThe Policy continues to apply to your transactions in HPE securities or securities of other public companies engaged in business transactions with HPE even after your association with HPE has terminated. If you are aware of material non-public information when your relationship with HPE concludes, you, your Family Members, and any Related Entities may not trade in HPE securities or securities of such other company until that information has become public or is no longer material.11.Company Repurchases of SharesFrom time to time, HPE may engage in transactions in its own securities. It is HPEâ€™s policy to comply with all applicable securities and state laws (including obtaining appropriate approvals by the Board of Directors or appropriate committee(s), if required) and this Policy when engaging in transactions in HPEâ€™s securities.ConsequencesCompliance with this Policy is essential as there can be severe penalties for any failure to comply with the federal securities laws and SEC rules relating to insider trading, as well as disciplinary action by HPE. For example, if a covered person violates insider trading laws, both the covered person and HPE may be subject to severe civil and criminal penalties. The DOJ, SEC, NYSE, and FINRA investigate and pursue insider trading violations vigorously. A violation of the insider trading laws also constitutes a violation of HPEâ€™s Standards of Business Conduct.The consequences of a violation of this Policy are severe:Traders and Tippees. Covered persons (or tippees) who trade on the basis of material non-public information can be subject to the following penalties (in addition to dismissal from HPE):â€¢Forfeiture of trading gains or losses avoided, as well as civil penalties of up to three times the trading gains made or losses avoided;â€¢A criminal fine of up to \$5,000,000 (no matter how small the profit);â€¢A jail term of up to 20 years;â€¢Injunctions against future violations; andâ€¢Private party damages.If a covered person tips information to a person who then trades, the covered person can be subject to the same penalties as the tippee, even if the covered person did not trade and did not profit from the trading made by the person who receives the tip.Control Persons. HPE and HPE management, if they fail to take appropriate steps to prevent illegal insider trading, can be subject to â€œcontrolling personâ€ liability for an insider trading violation, with the following potential penalties:â€¢A civil penalty of up to \$1,000,000 (as adjusted for inflation from time to time per SEC guidelines) or, if greater, three times the profit gained or loss avoided as a result of the associateâ€™s violation; andâ€¢A criminal fine of up to \$25,000,000.Company-Imposed Sanctions. Failure to comply with this Policy may also subject covered persons to disciplinary action, including dismissal for cause, whether or not the covered personâ€™s failure to comply results in a violation of law.TrainingThe Legal Department will provide training through the Insider Trading Compliance staff with respect to these policies and procedures and HPEâ€™s compliance with them and with the federal securities laws and SEC rules relating to insider trading periodically as appropriate. EX-21 5 ex-21x10312024.htm EX-21 DocumentExhibitA 21Subsidiaries of Hewlett Packard Enterprise CompanyThe registrant's subsidiaries as of October31, 2024, omitting subsidiaries which, considered in the aggregate, would not constitute a significant subsidiary, are included in the list below.COUNTRYSUBSIDIARYAUSTRALIAHewlett-Packard Australia Pty. Ltd.HP Financial Services (Australia) Pty LimitedBELGIUMHewlett Packard Enterprise Belgium BV/SRLBRAZILHP Financial Services Arrendamento Mercantil S.A.Hewlett-Packard Brasil Ltda.CANADAHewlett-Packard Financial Services Canada CompanyHewlett Packard Enterprise Canada CompanyCAYMAN ISLANDSH3C Holdings LimitedCHINASHanghai Hewlett-Packard Co. Ltd.DENMARKHewlett-Packard A/SSENGLAND & WALESHewlett-Packard Holdings Ltd.Hewlett-Packard LimitedFRANCEHewlett-Packard France SASGERMANYHewlett-Packard GmbHHONG KONGHewlett-Packard HK SAR Ltd.INDIAHewlett Packard Enterprise India Private LimitedHewlett-Packard Financial Services (India) Private LimitedHewlett-Packard (India) Software Operation Private LimitedIRELANDHewlett-Packard International Bank Designated Activity CompanyISRAELHewlett-Packard (Israel) Ltd.ITALYHewlett-Packard Italiana S.r.l.HFPS Rental S.R.L.JAPANHewlett Packard Japan, G.K.HP Financial Services (Japan) K.K.KOREA, REPUBLIC OFHewlett-Packard Korea Ltd.MALAYSIAHewlett-Packard (M) Sdn. Bhd.MEXICOHewlett-Packard Mexico S. de R.L. de C.V.Hewlett-Packard Operations Mexico, S. de R.L. de C.V.NETHERLANDSCompag Trademark B.V.Hewlett-Packard Nederland B.V.NORWAYHewlett-Packard Norge ASPERUHewlett-Packard Peru S.R.L.POLANDHewlett Packard Enterprise Polska sp. z o.o.PUERTO RICOHewlett Packard Enterprise CRLHewlett Packard Enterprise III LLCSAUDI ARABIAHewlett Packard Enterprise LimitedSINGAPOREHewlett-Packard Asia Pacific Pte. Ltd.Hewlett-Packard Singapore (Sales) Pte. Ltd.Hewlett Packard Enterprise Singapore Pte. Ltd.SPAINHewlett-Packard Servicios EspaÃ±a S.L.SWEDENHewlett-Packard Sverige ABSWITZERLANDHewlett Packard Enterprise B.V., Amstelveen, Meyrin BranchHewlett-Packard International SA rHewlett-Packard (Schweiz) GmbHTAIWANHewlett Packard Taiwan Ltd.TURKEYHewlett-Packard Teknoloji AÃ¶AÃ¶mli Limited Ã¼zrketiUNITED STATESHewlett-Packard Financial Services CompanyHewlett Packard Pathfinder, LLCHewlett Packard Enterprise Development LPHPEFS EQUIPMENT TRUST 2022-2HPEFS EQUIPMENT TRUST 2022-3HPEFS EQUIPMENT TRUST 2023-1HPEFS EQUIPMENT TRUST 2023-2HPEFS EQUIPMENT TRUST 2024-1HPEFS EQUIPMENT TRUST 2024-2 EX-23.1 6 ex-231x10312024.htm EX-23.1 DocumentExhibit 23.1Consent of Independent Registered Public Accounting FirmWe consent to the incorporation by reference in the following Registration Statements: (1) Registration Statement (Form S-8 No. 333-207679) pertaining to the Hewlett Packard Enterprise Executive Deferred Compensation Plan and the Hewlett Packard Enterprise Grandfathered Executive Deferred Compensation Plan, (2) Registration Statement (Form S-8 No. 333-207671) pertaining to the Hewlett Packard Enterprise Company 2015 Stock Incentive Plan and the Hewlett Packard Enterprise Company 2015 Employee Stock Purchase Plan, (3) Registration Statement (Form S-8 No. 333-217152) pertaining to the Hewlett Packard Enterprise Company 2015 Stock Incentive Plan, (4) Registration Statement (Form S-8 No. 333-207680) pertaining to the Hewlett Packard Enterprise 401(k) Plan, (5) Registration Statement (Form S-8 No. 333-221254) pertaining to the Cloud Technology Partners, Inc. 2011 Equity Incentive Plan, as amended, (6) Registration Statement (Form S-8 No. 333-226181) pertaining to the Plexxi, Inc. 2011 Stock Plan, (7) Registration Statement (Form S-3 ASR No. 333-251271) of Hewlett Packard Enterprise Company, (8) Registration Statement (Form S-8 No. 333-229449) pertaining to the Bluedata Software Inc. 2012 Stock Incentive Plan, (9) Registration Statement (Form S-8 No. 333-234033) pertaining to the Cray Inc. Amended and Restated 2013 Equity Incentive Plan, (10) Registration Statement (Form S-8 No. 333-249731) pertaining to the Silver Peak Systems, Inc. 2014 Equity Incentive Plan, as amended, (11) Registration Statement (Form S-8 No. 333-255839) pertaining to the Hewlett Packard Enterprise Company 2021 Stock Incentive Plan, and the Hewlett Packard Enterprise Executive Deferred Compensation Plan, as amended and restated, (12) Registration Statement (Form S-8 POS No. 333-207671 and No. 333-217152) pertaining to the Hewlett Packard Enterprise Company 2015 Stock Incentive Plan, as amended and restated, and Hewlett Packard Enterprise Company 2021 Stock Incentive Plan, (13) Registration Statement (Form S-8 No. 333-265378) pertaining to the Hewlett Packard Enterprise Company 2021 Stock Incentive Plan, as amended, and the Hewlett Packard Enterprise 401(k) Plan, as amended and restated, and (14) Registration Statement (Form S-8 No. 333-272379) pertaining to the Hewlett Packard Enterprise Company 2021 Stock Incentive Plan, as amended, and the OpsRamp, Inc. 2014 Equity Incentive Plan, (15) Registration Statement (Form S-8 No. 333-279950) pertaining to the Hewlett Packard Enterprise Company 2021 Stock Incentive Plan, as amended and restated, (16) Registration Statement (Form S-3 ASR No. 333-222102) of Hewlett Packard Enterprise Company (17) Registration Statement (Form S-3 ASR No. 333-276221) of Hewlett Packard Enterprise

Company,of our reports dated DecemberÂ 19, 2024, with respect to the consolidated financial statements of Hewlett Packard Enterprise Company and the effectiveness of internal control over financial reporting of Hewlett Packard Enterprise Company, included in this Annual Report (Form 10-K) for the year ended October 31, 2024./s/ Ernst & Young LLPHouston, TexasDecemberÂ 19, 2024 EX-31.1 7 ex-311x10312024.htm EX-31.1 DocumentExhibitÂ 31.1CERTIFICATIONI, Antonio F. Neri, certify that:1.Â Â Â Â I have reviewed this Annual Report on FormÂ 10-K of Hewlett Packard Enterprise Company;2.Â Â Â Â Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;3.Â Â Â Â Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;4.Â Â Â Â The registrant's other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act RulesÂ 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act RulesÂ 13a-15(f) and 15d-15(f)) for the registrant and have:(a)Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;(b)Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;(c)Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and(d)Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and5.Â Â Â Â The registrant's other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):(a)All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and(b)Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.Date: DecemberÂ 19, 2024 /s/ Antonio F. NeriÂ Antonio F. NeriPresident and Chief Executive Officer(Principal Executive Officer) EX-31.2 8 ex-312x10312024.htm EX-31.2 DocumentExhibitÂ 31.2CERTIFICATIONI, Marie Myers, certify that:1.Â Â Â Â I have reviewed this Annual Report on FormÂ 10-K of Hewlett Packard Enterprise Company;2.Â Â Â Â Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;3.Â Â Â Â Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;4.Â Â Â Â The registrant's other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act RulesÂ 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act RulesÂ 13a-15(f) and 15d-15(f)) for the registrant and have:(a)Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;(b)Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;(c)Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and(d)Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and5.Â Â Â Â The registrant's other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):(a)All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and(b)Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.Date: DecemberÂ 19, 2024 /s/ Marie MyersÂ Marie MyersÂ Executive Vice President and Chief Financial Officer(Principal Financial Officer) EX-32 9 ex-32x10312024.htm EX-32 DocumentExhibitÂ 32CERTIFICATIONPURSUANT TO 18 U.S.C. 1350,AS ADOPTED PURSUANT TOSECTIONÂ 906 OF THE SARBANES-OXLEY ACT OFÂ 2002Pursuant to 18 U.S.C. Section 1350, as adopted pursuant to SectionÂ 906 of the Sarbanes-Oxley Act of 2002, Antonio F. Neri, the Chief Executive Officer, and Marie Myers, the Chief Financial Officer, of Hewlett Packard Enterprise Company hereby certify that, to their knowledge:1.Â Â Â Â The Annual Report on FormÂ 10-K of Hewlett Packard Enterprise Company for the fiscal year ended OctoberÂ 31, 2024, fully complies with the requirements of SectionÂ 13(a) or 15(d) of the Securities Exchange Act of 1934; and 2.Â Â Â Â The information contained in such Annual Report on FormÂ 10-K fairly presents, in all material respects, the financial condition and results of operations of Hewlett Packard Enterprise Company.DecemberÂ 19, 2024Â By:/s/ Antonio F. NeriÂ Antonio F. NeriPresident and Chief Executive Officer(Principal Executive Officer)Â By:/s/ Marie MyersÂ Marie MyersExecutive Vice President and Chief Financial Officer(Principal Financial Officer)A signed original of this written statement required by SectionÂ 906 has been provided to Hewlett Packard Enterprise Company and will be retained by Hewlett Packard Enterprise Company and furnished to the Securities and Exchange Commission or its staff upon request. EX-101.SCH 10 hpe-20241031.xsd XBRL TAXONOMY EXTENSION SCHEMA DOCUMENT 0000001 - Document - Cover Page link:presentationLink link:calculationLink link:definitionLink 0000002 - Document - Audit Information link:presentationLink link:calculationLink link:definitionLink 9952151 - Statement - Consolidated Statements of Earnings link:presentationLink link:calculationLink link:definitionLink 9952151 - Statement - Consolidated Statements of Earnings link:presentationLink link:calculationLink link:definitionLink 9952152 - Statement - Consolidated Statements of Comprehensive Income link:presentationLink link:calculationLink link:definitionLink 9952153 - Statement - Consolidated Balance Sheets link:presentationLink link:calculationLink link:definitionLink 9952154 - Statement - Consolidated Balance Sheets (Parenthetical) link:presentationLink link:calculationLink link:definitionLink 9952155 - Statement - Consolidated Statements of Cash Flows link:presentationLink link:calculationLink link:definitionLink 9952156 - Statement - Consolidated Statements of Cash Flows (Parenthetical) link:presentationLink link:calculationLink link:definitionLink 9952157 - Statement - Consolidated Statements of Stockholders' Equity link:presentationLink link:calculationLink link:definitionLink 9952158 - Statement - Consolidated Statements of Stockholders' Equity (Parenthetical) link:presentationLink link:calculationLink link:definitionLink 9952159 - Disclosure - Overview and Summary of Significant Accounting Policies link:presentationLink link:calculationLink link:definitionLink 9952160 - Disclosure - Segment Information link:presentationLink link:calculationLink link:definitionLink 9952161 - Disclosure - Transformation Programs link:presentationLink link:calculationLink link:definitionLink 9952162 - Disclosure - Retirement and Post-Retirement Benefit Plans link:presentationLink link:calculationLink link:definitionLink 9952163 - Disclosure - Stock-Based Compensation link:presentationLink link:calculationLink link:definitionLink 9952164 - Disclosure - Taxes on Earnings link:presentationLink link:calculationLink link:definitionLink 9952165 - Disclosure - Balance Sheet Details link:presentationLink link:calculationLink link:definitionLink 9952166 - Disclosure - Accounting for Leases as a Lessee link:presentationLink link:calculationLink link:definitionLink 9952167 - Disclosure - Accounting for Leases as a Lessor link:presentationLink link:calculationLink link:definitionLink 9952168 - Disclosure - Acquisitions and Dispositions link:presentationLink link:calculationLink link:definitionLink 9952169 - Disclosure - Goodwill and Intangible Assets link:presentationLink link:calculationLink link:definitionLink 9952170 - Disclosure - Fair Value link:presentationLink link:calculationLink link:definitionLink 9952171 - Disclosure - Financial Instruments link:presentationLink link:calculationLink link:definitionLink 9952172 - Disclosure - Borrowings link:presentationLink link:calculationLink link:definitionLink 9952173 - Disclosure - Stockholders' Equity link:presentationLink link:calculationLink link:definitionLink 9952174 - Disclosure - Net Earnings Per Share link:presentationLink link:calculationLink link:definitionLink 9952175 - Disclosure - Litigation, Contingencies, and Commitments link:presentationLink link:calculationLink link:definitionLink 9952176 - Disclosure - Guarantees and Indemnifications link:presentationLink link:calculationLink link:definitionLink 9952177 - Disclosure - Equity Interests link:presentationLink link:calculationLink link:definitionLink 9955511 - Disclosure - Overview and Summary of Significant Accounting Policies (Policies) link:presentationLink link:calculationLink link:definitionLink 9955512 - Disclosure - Organization, Consolidation and Presentation of Financial Statements (Tables) link:presentationLink link:calculationLink link:definitionLink 9955513 - Disclosure - Segment Information (Tables) link:presentationLink link:calculationLink link:definitionLink 9955514 - Disclosure - Transformation Programs (Tables) link:presentationLink link:calculationLink link:definitionLink 9955515 - Disclosure - Retirement and Post-Retirement Benefit Plans (Tables) link:presentationLink link:calculationLink link:definitionLink 9955516 - Disclosure - Stock-Based Compensation (Tables) link:presentationLink link:calculationLink link:definitionLink 9955517 - Disclosure - Taxes on Earnings (Tables) link:presentationLink link:calculationLink link:definitionLink 9955518 - Disclosure - Balance Sheet Details (Table) link:presentationLink link:calculationLink link:definitionLink 9955519 - Disclosure - Accounting for Leases as a Lessee (Tables) link:presentationLink link:calculationLink link:definitionLink 9955520 - Disclosure - Accounting for Leases as a Lessor (Tables) link:presentationLink link:calculationLink link:definitionLink 9955521 - Disclosure - Acquisitions and Dispositions (Tables) link:presentationLink link:calculationLink link:definitionLink 9955522 - Disclosure - Goodwill and Intangible Assets (Tables) link:presentationLink link:calculationLink link:definitionLink 9955523 - Disclosure - Fair Value (Tables) link:presentationLink link:calculationLink link:definitionLink 9955524 - Disclosure - Financial Instruments (Tables) link:presentationLink link:calculationLink link:definitionLink 9955525 - Disclosure - Borrowings (Tables) link:presentationLink link:calculationLink link:definitionLink 9955526 - Disclosure - Stockholders' Equity (Tables) link:presentationLink link:calculationLink link:definitionLink 9955527 - Disclosure - Net Earnings (Loss) Per Share (Tables) link:presentationLink link:calculationLink link:definitionLink 9955528 - Disclosure - Guarantees and Indemnifications (Tables) link:presentationLink link:calculationLink link:definitionLink 9955529 - Disclosure - Equity Interests (Tables) link:presentationLink link:calculationLink link:definitionLink 9955530 - Disclosure - Overview and Summary of Significant Accounting Policies - Narrative (Details) link:presentationLink link:calculationLink link:definitionLink 9955531 - Disclosure - Overview and Summary of Significant Accounting Policies - Impact of Weighted Average Assumptions on Net Periodic Benefit (Costs) (Details) link:presentationLink link:calculationLink link:definitionLink 9955532 - Disclosure - Segment Information - Narrative (Detail) link:presentationLink link:calculationLink link:definitionLink 9955533 - Disclosure - Segment Information - Segment Operating Results from Continuing Operations (Details) link:presentationLink link:calculationLink link:definitionLink 9955534 - Disclosure - Segment Information - Reconciliation of Segment Operating Results (Details) link:presentationLink link:calculationLink link:definitionLink 9955535 - Disclosure - Segment Information - Revenue by Geographic Region (Details) link:presentationLink link:calculationLink link:definitionLink 9955536 - Disclosure - Transformation Programs - Transformation Costs (Details) link:presentationLink link:calculationLink link:definitionLink 9955537 - Disclosure - Transformation Programs - Schedule of Restructuring Activities (Details) link:presentationLink link:calculationLink link:definitionLink 9955538 - Disclosure - Transformation Programs - Narrative (Details) link:presentationLink link:calculationLink link:definitionLink 9955539 - Disclosure - Retirement and Post-Retirement Benefit Plans - Narrative (Details) link:presentationLink link:calculationLink link:definitionLink 9955540 - Disclosure - Retirement and Post-Retirement Benefit Plans - Summary of Net Benefit Cost (Details) link:presentationLink link:calculationLink link:definitionLink 9955541 - Disclosure - Retirement and Post-Retirement Benefit Plans - Weighted Average Assumptions Used to Calculate the Projected Benefit Obligations (Details) link:presentationLink link:calculationLink link:definitionLink 9955542 - Disclosure - Retirement and Post-Retirement Benefit Plans - Funded Status of Plans (Details) link:presentationLink link:calculationLink link:definitionLink 9955543 - Disclosure - Retirement and Post-Retirement Benefit Plans - Weighted Average Assumptions Used to Calculate the Projected Benefit Obligations for Direct Plans (Details) link:presentationLink link:calculationLink link:definitionLink 9955544 - Disclosure - Retirement and Post-Retirement Benefit Plans - Net Amounts Recognized for the Direct Plans in Combined and Consolidated Balance Sheets (Details) link:presentationLink link:calculationLink link:definitionLink 9955545 - Disclosure - Retirement and Post-Retirement Benefit Plans - Pre-Tax Net Actuarial Loss and Prior Service Benefit Recognized in Accumulated Other Comprehensive Loss for the Defined Benefit Plans (Details) link:presentationLink link:calculationLink link:definitionLink 9955546 - Disclosure - Retirement and Post-Retirement Benefit Plans - Direct Defined Benefit Plans with Projected Benefit Obligations Exceeding the Fair Value of Plan Assets (Details) link:presentationLink link:calculationLink link:definitionLink 9955547 - Disclosure - Retirement and Post-Retirement Benefit Plans - Direct Defined Benefit Plans with Accumulated Benefit Obligations Exceeding the Fair Value of Plan Assets (Details) link:presentationLink link:calculationLink link:definitionLink 9955548 - Disclosure - Retirement and Post-Retirement Benefit Plans - Fair Value of Non-U.S. Defined Benefit Plan Assets by Asset Category Within the Fair Value Hierarchy (Details) link:presentationLink link:calculationLink link:definitionLink 9955549 - Disclosure - Retirement and Post-Retirement Benefit Plans - Changes in Fair Value Measurements of LevelÂ 3 Investments for the Non-U.S. Defined Benefit Plans (Details) link:presentationLink link:calculationLink link:definitionLink 9955550 - Disclosure - Retirement and Post-Retirement Benefit Plans - Weighted Average Target and Actual Asset Allocations Across Non-U.S. Defined Benefit Plans (Details) link:presentationLink link:calculationLink link:definitionLink 9955551 - Disclosure - Retirement and Post-Retirement Benefit Plans - Estimated Future Benefits Payments (Details) link:presentationLink link:calculationLink link:definitionLink 9955552 - Disclosure - Stock-Based Compensation - Narrative (Details) link:presentationLink link:calculationLink link:definitionLink 9955553 - Disclosure - Stock-Based Compensation - Schedule of Stock-Based Compensation Expense and Resulting Tax Benefits (Details) link:presentationLink link:calculationLink link:definitionLink 9955554 - Disclosure - Stock-Based Compensation - Consolidated Statement of Earnings Location of Stock-Based Compensation Expense (Details) link:presentationLink link:calculationLink link:definitionLink 9955555 - Disclosure - Stock-Based Compensation - Employee Stock Purchase Plan (Details) link:presentationLink link:calculationLink link:definitionLink 9955556 - Disclosure - Stock-Based Compensation - Summary of Restricted Stock Activity (Details) link:presentationLink link:calculationLink link:definitionLink 9955557 - Disclosure - Taxes on Earnings - Summary of Differences Between the U.S. Federal Statutory Income Tax Rate and Effective Tax Rate (Details) link:presentationLink link:calculationLink link:definitionLink 9955559 - Disclosure - Taxes on Earnings - Narrative (Details) link:presentationLink link:calculationLink link:definitionLink 9955560 - Disclosure - Taxes on Earnings - Uncertain Tax Positions (Details) link:presentationLink link:calculationLink link:definitionLink 9955561 - Disclosure - Taxes on Earnings - Components of Deferred Tax Assets and Deferred Tax Liabilities (Details) link:presentationLink link:calculationLink link:definitionLink 9955562 - Disclosure - Taxes on Earnings - Deferred Tax Assets and Liabilities included in Condensed Consolidated Balance Sheets (Details) link:presentationLink link:calculationLink link:definitionLink 9955563 - Disclosure - Taxes on Earnings - Schedule of Tax Credit Carryforwards and Allowances (Details) link:presentationLink link:calculationLink link:definitionLink 9955564 - Disclosure - Balance Sheet Details - Schedule of Cash and Cash Equivalents (Details) link:presentationLink link:calculationLink link:definitionLink 9955565 - Disclosure - Balance Sheet Details - Accounts Receivable, Net (Details) link:presentationLink link:calculationLink link:definitionLink 9955566 - Disclosure - Balance Sheet Details - Allowance for Doubtful Accounts (Details) link:presentationLink link:calculationLink link:definitionLink 9955567 - Disclosure - Balance Sheet Details - Revolving Short-Term Financing Receivable (Details) link:presentationLink link:calculationLink link:definitionLink 9955568 - Disclosure - Balance Sheet Details - Inventory (Details) link:presentationLink link:calculationLink link:definitionLink 9955569 - Disclosure - Balance Sheet Details - Property, Plant and Equipment (Details) link:presentationLink link:calculationLink link:definitionLink 9955570 - Disclosure - Balance Sheet Details - Long-Term Financing Receivables and Other Assets (Details) link:presentationLink link:calculationLink link:definitionLink 9955571 - Disclosure - Balance Sheet Details - Other Accrued Liabilities (Details) link:presentationLink link:calculationLink link:definitionLink 9955572 - Disclosure - Balance Sheet Details - Other Non-Current Liabilities (Details) link:presentationLink link:calculationLink link:definitionLink 9955573 - Disclosure - Balance Sheet Details - Changes in Aggregate Product Warranty Liabilities (Details) link:presentationLink link:calculationLink link:definitionLink 9955574 - Disclosure - Balance Sheet Details - Contracts Liabilities (Details) link:presentationLink link:calculationLink link:definitionLink 9955575 - Disclosure - Balance Sheet Details - Narrative (Details) link:presentationLink link:calculationLink link:definitionLink 9955575 - Disclosure -

Balance Sheet Details - Narrative (Details) link:presentationLink link:calculationLink link:definitionLink 9955576 - Disclosure - Balance Sheet Details - Remaining Performance Obligation (Details) link:presentationLink link:calculationLink link:definitionLink 9955576 - Disclosure - Balance Sheet Details - Remaining Performance Obligation (Details) link:presentationLink link:calculationLink link:definitionLink 9955577 - Disclosure - Accounting for Leases as a Lessee - Operating Lease Cost (Details) link:presentationLink link:calculationLink link:definitionLink 9955578 - Disclosure - Accounting for Leases as a Lessee - Leases Included in the Consolidated Balance Sheets (Details) link:presentationLink link:calculationLink link:definitionLink 9955579 - Disclosure - Accounting for Leases as a Lessee - Additional Lease Information (Details) link:presentationLink link:calculationLink link:definitionLink 9955580 - Disclosure - Accounting for Leases as a Lessee - Future Minimum Lease Commitments (Details) link:presentationLink link:calculationLink link:definitionLink 9955580 - Disclosure - Accounting for Leases as a Lessee - Future Minimum Lease Commitments (Details) link:presentationLink link:calculationLink link:definitionLink 9955581 - Disclosure - Accounting for Leases as a Lessor - Narrative (Details) link:presentationLink link:calculationLink link:definitionLink 9955582 - Disclosure - Accounting for Leases as a Lessor - Components of Financing Receivables (Details) link:presentationLink link:calculationLink link:definitionLink 9955582 - Disclosure - Accounting for Leases as a Lessor - Components of Financing Receivables (Details) link:presentationLink link:calculationLink link:definitionLink 9955583 - Disclosure - Accounting for Leases as a Lessor - Finance Lease Receivable Maturity (Details) link:presentationLink link:calculationLink link:definitionLink 9955584 - Disclosure - Accounting for Leases as a Lessor - Credit Risk Profile of Financing Receivables (Details) link:presentationLink link:calculationLink link:definitionLink 9955585 - Disclosure - Accounting for Leases as a Lessor - Allowance for Doubtful Accounts for Financing Receivables (Details) link:presentationLink link:calculationLink link:definitionLink 9955586 - Disclosure - Accounting for Leases as a Lessor - Summary of Aging and Non-accrual Status of Gross Financing Receivables (Details) link:presentationLink link:calculationLink link:definitionLink 9955587 - Disclosure - Accounting for Leases as a Lessor - Operating Lease Assets Included in Machinery and Equipment (Details) link:presentationLink link:calculationLink link:definitionLink 9955588 - Disclosure - Accounting for Leases as a Lessor - Operating Lease Payments Maturity (Details) link:presentationLink link:calculationLink link:definitionLink 9955589 - Disclosure - Accounting for Leases as a Lessor - Lessor Activity Included in Income Statement (Details) link:presentationLink link:calculationLink link:definitionLink 9955590 - Disclosure - Accounting for Leases as a Lessor - Assets and Liabilities of VIE (Details) link:presentationLink link:calculationLink link:definitionLink 9955591 - Disclosure - Acquisitions and Dispositions - Narrative (Details) link:presentationLink link:calculationLink link:definitionLink 9955592 - Disclosure - Acquisitions and Dispositions - Aggregate Purchase Price Allocation (Details) link:presentationLink link:calculationLink link:definitionLink 9955593 - Disclosure - Goodwill and Intangible Assets - Carrying Value of Goodwill by Reportable Segment (Details) link:presentationLink link:calculationLink link:definitionLink 9955594 - Disclosure - Goodwill and Intangible Assets - Narrative (Details) link:presentationLink link:calculationLink link:definitionLink 9955595 - Disclosure - Goodwill and Intangible Assets - Intangible Assets (Details) link:presentationLink link:calculationLink link:definitionLink 9955596 - Disclosure - Goodwill and Intangible Assets - Estimated Future Amortization Expense of Intangible Assets (Details) link:presentationLink link:calculationLink link:definitionLink 9955597 - Disclosure - Fair Value - Schedule of Assets and Liabilities on a Recurring Basis (Details) link:presentationLink link:calculationLink link:definitionLink 9955598 - Disclosure - Fair Value - Narrative (Details) link:presentationLink link:calculationLink link:definitionLink 9955599 - Disclosure - Financial Instruments - Cash Equivalents and Available-for-Sale Investments (Details) link:presentationLink link:calculationLink link:definitionLink 9955599 - Disclosure - Financial Instruments - Cash Equivalents and Available-for-Sale Investments (Details) link:presentationLink link:calculationLink link:definitionLink 9956000 - Disclosure - Financial Instruments - Narrative (Details) link:presentationLink link:calculationLink link:definitionLink 9956001 - Disclosure - Financial Instruments - Contractual Maturities of Investments in Available-for-Sale Debt Securities (Details) link:presentationLink link:calculationLink link:definitionLink 9956002 - Disclosure - Financial Instruments - Gross Notional and Fair Value of Instruments in the Balance Sheets (Details) link:presentationLink link:calculationLink link:definitionLink 9956003 - Disclosure - Financial Instruments - Offsetting Assets and Liabilities (Details) link:presentationLink link:calculationLink link:definitionLink 9956004 - Disclosure - Financial Instruments - Amounts Recorded in the Balance Sheets (Details) link:presentationLink link:calculationLink link:definitionLink 9956005 - Disclosure - Financial Instruments - Pre-tax Effect of Derivative Instruments in Hedging Relationships on OCI (Details) link:presentationLink link:calculationLink link:definitionLink 9956006 - Disclosure - Financial Instruments - Pre-tax Effect of Derivative Instruments on Statement of Earnings (Details) link:presentationLink link:calculationLink link:definitionLink 9956007 - Disclosure - Borrowings - Notes Payable and Short-Term Borrowings (Details) link:presentationLink link:calculationLink link:definitionLink 9956008 - Disclosure - Borrowings - Long-Term Debt (Details) link:presentationLink link:calculationLink link:definitionLink 9956009 - Disclosure - Borrowings - Narrative (Details) link:presentationLink link:calculationLink link:definitionLink 9956010 - Disclosure - Borrowings - Future Maturities of Long Term Debt (Details) link:presentationLink link:calculationLink link:definitionLink 9956011 - Disclosure - Stockholders' Equity - Components of AOCI (Details) link:presentationLink link:calculationLink link:definitionLink 9956012 - Disclosure - Stockholders' Equity - Narrative (Details) link:presentationLink link:calculationLink link:definitionLink 9956013 - Disclosure - Net Earnings Per Share (Details) link:presentationLink link:calculationLink link:definitionLink 9956014 - Disclosure - Litigation, Contingencies, and Commitments (Details) link:presentationLink link:calculationLink link:definitionLink 9956015 - Disclosure - Guarantees and Indemnifications - Indemnified Litigation matters and Other Contingencies (Details) link:presentationLink link:calculationLink link:definitionLink 9956016 - Disclosure - Guarantees and Indemnifications - Changes in Aggregate Product Warranty Liabilities and Changes (Details) link:presentationLink link:calculationLink link:definitionLink 9956017 - Disclosure - Equity Interests - Narrative (Details) link:presentationLink link:calculationLink link:definitionLink 9956018 - Disclosure - Equity Interests - Earnings from Equity Interest (Details) link:presentationLink link:calculationLink link:definitionLink EX-101.CAL 11 hpe-20241031_cal.xml XBRL TAXONOMY EXTENSION CALCULATION LINKBASE DOCUMENT EX-101.DEF 12 hpe-20241031_def.xml XBRL TAXONOMY EXTENSION DEFINITION LINKBASE DOCUMENT EX-101.LAB 13 hpe-20241031_lab.xml XBRL TAXONOMY EXTENSION LABEL LINKBASE DOCUMENT Operating Leases Lessee, Operating Lease, Liability, to be Paid, Fiscal Year Maturity [Abstract] Maximum contribution limit as percentage of base compensation (as a percent) Share-Based Compensation Arrangement by Share-Based Payment Award, Maximum Employee Subscription Rate 2026 Defined Benefit Plan, Expected Future Benefit Payment, Year Two Adjustments to Reconcile Net Earnings Attributable to HPE to Net Cash Provided by Operating Activities: Adjustments to Reconcile Net Income (Loss) to Cash Provided by (Used in) Operating Activities [Abstract] Remaining authorization Share Repurchase Program, Remaining Authorized, Amount Hewlett-Packard International Bank PLC Hewlett Packard International Bank P L C [Member] Represents the entity's subsidiary, Hewlett-Packard International Bank PLC. Other current assets Variable Interest Entity, Consolidated, Assets, Other Assets, Current Variable Interest Entity, Consolidated, Assets, Other Assets, Current \$1,500 issued at discount to par at a price of 99.932% in October 2015 at 6.35%, due October 15, 2045, interest payable semi-annually on April 15 and October 15 of each year Senior Notes 2015, Issued At Discount To Par, Due October 2045 [Member] Senior Notes 2015, Issued At Discount To Par, Due October 2045 Pre-Tax Effect of Derivative Instruments and Related Hedged Items in a Fair Value Hedging Relationship Schedule of Fair Value Hedging Instruments, Statements of Financial Performance and Financial Position, Location [Table Text Block] Thereafter Lessee, Operating Lease, Liability, to be Paid, after Year Five Change in cash, cash equivalents and restricted cash Cash, Cash Equivalents, Restricted Cash, and Restricted Cash Equivalents, Period Increase (Decrease), Including Exchange Rate Effect Discount Rate Measurement Input, Discount Rate [Member] Operating Lease Liability Maturity Lessee, Operating Lease, Liability, to be Paid, Maturity [Table Text Block] Non-U.S. Plans Foreign Plan [Member] Inventory valuation Deferred Tax Assets, Inventory Income Tax Jurisdiction [Domain] Income Tax Jurisdiction [Domain] Trading Symbol Trading Symbol Ownership Equity Method Investment, Ownership Percentage Fair Value Hedges: Fair Value Hedging [Member] Comprehensive income Comprehensive Income (Loss), Net of Tax, Including Portion Attributable to Noncontrolling Interest Long-term debt Total long-term debt Long-Term Debt and Lease Obligation Schedule of Cash Equivalents and Available For Sale Investments [Table] Cash and Cash Equivalent [Table] Amortization and deferrals: Defined Benefit Plan Amortization and Deferrals [Abstract] Derivative asset, fair value Derivative Asset, Subject to Master Netting Arrangement, before Offset Non-NEOs Non-NEOs [Member] Income tax benefit Share-Based Payment Arrangement, Expense, Tax Benefit Cash dividends declared per share (in dollars per share) Common Stock, Dividends, Per Share, Declared Goodwill Goodwill and Intangible Assets, Goodwill, Policy [Policy Text Block] 2027 Defined Benefit Plan, Expected Future Benefit Payment, Year Three Schedule of tax credit carryforwards Summary of Tax Credit Carryforwards [Table Text Block] Allowances Balance at beginning of year Balance at end of year Accounts Receivable, Allowance for Credit Loss, Current Other accrued liabilities Other Accrued Liabilities [Member] Other Accrued Liabilities Billed Revenues Billed Revenues [Member] Total lease income Lease Income Disposal Group Name [Domain] Disposal Group Name [Domain] 2026 Lessor, Operating Lease, Payment to be Received, Year Two Income Tax Examination [Line Items] Income Tax Examination [Line Items] 2029 Lessor, Operating Lease, Payment to be Received, Year Five Accounts receivable Increase (Decrease) in Accounts Receivable Net Earnings per share Earnings Per Share, Policy [Policy Text Block] Inventory Inventory, Policy [Policy Text Block] Non-Rule 10b5-1 Arrangement Adopted Non-Rule 10b5-1 Arrangement Adopted [Flag] Hedging Relationship [Domain] Hedging Relationship [Domain] Fair Value Fair Value Disclosures [Text Block] Land Land [Member] Award Timing Disclosures [Line Items] Net Investment Hedging [Member] Net Investment Hedging [Member] Financial Asset, Period Past Due [Axis] Financial Asset, Aging [Axis] Derivative, Gain (Loss) on Derivative, Net, Total Derivative, Gain (Loss) on Derivative, Net Investment, Name [Domain] Investment, Name [Domain] Cash collateral posted Cash Collateral for Borrowed Securities Financing Receivable, Past Due [Table] Financing Receivable, Past Due [Table] Provision for (benefit from) taxes on earnings Income Tax Expense (Benefit), Continuing Operations, by Jurisdiction [Abstract] Retirement Plan Tax Status [Axis] Retirement Plan Tax Status [Axis] Portion at Fair Value Measurement Portion at Fair Value Measurement [Member] Operating Lease, Liability, Noncurrent, Statement of Financial Position [Extensible List] Operating Lease, Liability, Noncurrent, Statement of Financial Position [Extensible Enumeration] Lease liabilities Deferred Tax Assets, Leases Right-of-Use Assets Deferred Tax Assets, Leases Right-of-Use Assets Cash Flows from Financing Activities: Net Cash Provided by (Used in) Financing Activities, Continuing Operations [Abstract] Change in basis points Defined Benefit Plan, Impact of Assumptions Used Calculating Net Periodic Benefit Cost, Basis Points [Abstract] Defined Benefit Plan, Impact of Assumptions Used Calculating Net Periodic Benefit Cost, Basis Points Segment Realignment Segment Reporting, Policy [Policy Text Block] Balance at end of year Deferred Tax Assets, Tax Credit Carryforwards Plan Name [Domain] Plan Name [Domain] U.S. UNITED STATES Total Other assets, noncurrent Other Assets, Noncurrent Leases [Abstract] Leases [Abstract] Amortizable intangible assets, gross Finite-Lived Intangible Assets, Gross U.S. research and development and other credits Deferred Tax Assets, Tax Credit Carryforwards, Research Differences between the U.S. federal statutory income tax rate and HP's effective tax rate Effective Income Tax Rate Reconciliation, Percent [Abstract] Noncurrent portion of capitalized costs Capitalized Contract Cost, Net, Noncurrent Operating segments Operating Segments [Member] U.S. program United States Commercial Paper Program [Member] United States Commercial Paper Program [Member] Net cash provided by operating activities Net Cash Provided by (Used in) Operating Activities Schedule of Accumulated Other Comprehensive loss, net of taxes Schedule of Accumulated Other Comprehensive Income (Loss) [Table Text Block] Age of terminated employees Loss Contingency, ADEA Complaint, Age of Terminated Employee Loss Contingency, ADEA Complaint, Age of Terminated Employee Total ROU assets Right-of-Use Assets Right-of-Use Assets Share-based Payment Arrangement, Expensed and Capitalized, Amount [Line Items] Share-Based Payment Arrangement, Expensed and Capitalized, Amount [Line Items] Award Timing Method Award Timing Method [Text Block] Total net benefit cost (credit) Defined Benefit Plan, Net Periodic Benefit Cost (Credit) Trading Arrangements, by Individual Trading Arrangements, by Individual [Table] Restructuring Type [Axis] Restructuring Type [Axis] Measurement Frequency [Axis] Measurement Frequency [Axis] Hybrid Cloud Reporting Unit Hybrid Cloud Reporting Unit [Member] Hybrid Cloud Reporting Unit Entity Common Stock, Shares Outstanding Entity Common Stock, Shares Outstanding Weighted-average remaining lease term (in years) Finance Lease, Weighted Average Remaining Lease Term Insider Trading Policies and Procedures [Line Items] Proceeds from divestiture of businesses Proceeds from Divestiture of Businesses Government debt securities US States and Political Subdivisions Debt Securities [Member] Aggregate fair value of plan assets Defined Benefit Plan, Plan with Accumulated Benefit Obligation in Excess of Plan Assets, Plan Assets Use of Estimates Use of Estimates, Policy [Policy Text Block] Adjustment to Compensation, Amount Adjustment to Compensation Amount Additional paid-in capital Additional Paid in Capital, Common Stock Compensation Amount Outstanding Recovery Compensation Amount Disposal Group Classification [Axis] Disposal Group Classification [Axis] Aggregate Change in Present Value of Accumulated Benefit for All Pension Plans Reported in Summary Compensation Table Aggregate Change in Present Value of Accumulated Benefit for All Pension Plans Reported in Summary Compensation Table [Member] Transaction Type [Axis] Transaction Type [Axis] Entity Small Business Entity Small Business Company Selected Measure Amount Company Selected Measure Amount Capital loss carryforwards Deferred Tax Assets, Capital Loss Carryforwards Expected long-term return on plan assets Defined Benefit Plan, Impact of Assumptions Used Calculating Net Periodic Benefit Cost, Expected Return on Plan Assets, Amount Defined Benefit Plan, Impact of Assumptions Used Calculating Net Periodic Benefit Cost, Expected Return on Plan Assets, Amount Emerging Markets at NAV Emerging Markets At NAV [Member] Emerging Markets At NAV [Member] Tabular List, Table Tabular List [Table Text Block] Long-term financing receivables and other assets Financing Receivable [Member] Deferred revenue Contract With Customer, Liability, Current1 Contract With Customer, Liability, Current1 LevelA 3 Fair Value, Inputs, Level 3 [Member] Share-based compensation Share-Based Compensation Arrangement by Share-Based Payment Award [Line Items] Finite-lived intangible assets acquired Finite-Lived Intangible Assets Acquired Expected long-term return on plan assets Defined Benefit Plan, Assumptions Used Calculating Net Periodic Benefit Cost, Expected Long-Term Rate of Return on Plan Assets Trade receivables sold Trade Receivables Sold The aggregate face amount of accounts receivable that were sold to third party under revolving financing receivables arrangements during the reporting period. Long-Term Financing Receivables and Other Assets Schedule of Other Assets, Noncurrent [Table Text Block] Anti-dilutive weighted average stock awards (in shares) Antidilutive Securities Excluded from Computation of Earnings Per Share, Amount Less: imputed interest Finance Lease, Liability, Undiscounted Excess Amount Credit Facility [Domain] Credit Facility [Domain] Sales and marketing programs Accrued Marketing Costs, Current Accounts and Financing Receivables [Table] Accounts and Financing Receivables [Table] Property, plant and equipment, net Variable Interest Entity, Consolidated, Assets, Property, Plant and Equipment Variable Interest Entity, Consolidated, Assets, Property, Plant and Equipment Contract manufacturer liabilities Contract Manufacturer Liabilities, Current Contract Manufacturer Liabilities, Current Operating loss carryforwards SEC Schedule, 12-09, Valuation Allowance, Operating Loss Carryforward [Member] Customer Two Customer Two [Member] Customer Two Public equity securities Equity Securities Public Companies [Member] Ownership interest or right to acquire or dispose of ownership interest in publicly held corporations and other legal entities for which ownership interest is represented by shares of common or preferred stock, convertible securities, stock rights, or stock warrants. Goodwill Balance at beginning of period Balance at end of period Goodwill Intangible Assets Schedule of Acquired Finite and Indefinite Lived Intangible Assets by Major Class [Table Text Block] Tabular disclosure of the finite-lived and indefinite-lived intangible assets acquired by the entity. Net payments related to stock-based award activities Payment, Tax Withholding, Share-Based Payment Arrangement Stock repurchase program authorized amount Share Repurchase Program, Authorized, Amount \$1,250 issued at discount to par at a price of 99.953% in September 2024 at 4.40%, due September 25, 2027, interest payable semi-annually on March 25 and September 25 of each year Senior Notes 2024, Issued At Discount To Par, Due September 2027 [Member] Senior Notes 2024, Issued At Discount To Par, Due September 2027 Settlements made Standard and Extended Product Warranty Accrual, Decrease for Payments Standard and Extended Product Warranty Accrual, Decrease for Payments Employee Stock Option Share-Based Payment Arrangement, Option [Member] Depreciation expense Depreciation 2025 Lessee, Operating Lease, Liability, to be Paid, Year One Comprehensive Income Comprehensive Income (Loss), Net of Tax, Attributable to Parent Defined Benefit Plans Pension Plan [Member] Weighted-average discount rate Finance Lease, Weighted Average Discount Rate, Percent Effective income tax rate reconciliation, tax settlement, foreign, amount Effective Income Tax Rate Reconciliation, Tax Settlement, Foreign, Amount Derivative assets Offsetting Derivative Assets [Abstract] Real Estate Funds Real Estate and other Employee Benefit Plan, Real Estate [Member] Other, net Effective Income Tax Rate Reconciliation, Other Adjustments, Percent 2025 Finance Lease, Liability, to be Paid, Year One Contractual Maturities of Investments in Available-for-Sale Debt Securities Investments Classified by Contractual Maturity Date [Table Text Block] Award Type [Axis] Award Type [Axis] Corporate Corporate Debt Securities [Member] Interest income from sales-type leases and direct financing leases Sales-type and Direct Financing Leases, Interest Income Net earnings per share attributable to common stockholders: Earnings Per Share, Basic [Abstract] Restricted Cash Cash and Cash Equivalents, Restricted Cash and Cash Equivalents, Policy [Policy Text Block] Property, plant and equipment, net Property, Plant and Equipment, Net ICFR Auditor Attestation Flag ICFR Auditor Attestation Flag Other Comprehensive Income (Loss) Before Taxes Other Comprehensive Income (Loss), before Tax, Portion Attributable to Parent [Abstract] Schedule of Cash and Cash Equivalents Schedule of Cash and Cash Equivalents [Table Text Block] Continuing Operations Continuing Operations [Member] Number of reporting units Number of Reporting Units Common stock, par value (\$ per share) Common Stock, Par or Stated Value Per Share Weighted-average useful life Acquired Finite-Lived Intangible Assets,

Weighted Average Useful Life Schedule of Share-based Compensation Arrangements by Share-based Payment Award [Table] Schedule of Share-Based Compensation Arrangements by Share-Based Payment Award [Table] Foreign Currency Translation Foreign Currency Transactions and Translations Policy [Policy Text Block] Cash dividend Proceeds from Dividends Received Revolving Credit Facility Revolving Credit Facility [Member] Expiration Date Trading Arrangement Expiration Date \$2,000 issued at discount to par at a price of 99.078% in September 2024 at 5.00%, due October 15, 2034, interest payable semi-annually on April 15 and October 15 of each year Senior Notes 2024, Issued At Discount To Par, Due October 2034 [Member] Senior Notes 2024, Issued At Discount To Par, Due October 2034 Equity Method Investee Equity Method Investee [Member] Operating lease liabilities Operating lease liabilities â€” current Operating Lease, Liability, Current Total Shareholder Return Amount Total Shareholder Return Amount CTG Business CTG Business [Member] CTG Business Schedule of transferred trade receivables not collected from the third parties Schedule of Receivables Sold but Not Collected from Third Party [Table Text Block] Tabular disclosure of amount of trade receivables sold to the third party, but not collected from the third party under revolving short term financing arrangement facilities. Schedule of restricted stock award activity Nonvested Restricted Stock Shares Activity [Table Text Block] Equity Awards Adjustments, Footnote Equity Awards Adjustments, Footnote [Text Block] Financial Asset, Period Past Due [Domain] Financial Asset, Aging [Domain] Loss and credit carryforwards(1) Deferred Tax Assets, Operating Loss Carryforwards 2027 Sales-Type and Direct Financing Leases, Payment to be Received, Year Three Net income tax charges (benefits) Effective Income Tax Rate Reconciliation, Other Reconciling Items, Amount Gross property, plant and equipment Property, Plant and Equipment, Gross Retirement Plan Name [Axis] Retirement Plan Name [Axis] Settlement Defined Benefit Plan, Benefit Obligation, (Increase) Decrease for Settlement Net unrealized (losses) gains arising during the period Other Comprehensive Income (Loss), Cash Flow Hedge, Gain (Loss), before Reclassification and Tax Long-term debt Debt instruments Debt Instrument [Line Items] Participant contributions Defined Benefit Plan, Plan Assets, Contributions by Plan Participant Named Executive Officers, Footnote Named Executive Officers, Footnote [Text Block] Research and development Research and Development Expense [Member] Internal Credit Assessment [Domain] Internal Credit Assessment [Domain] Statute of limitations expiration Unrecognized Tax Benefits, Reduction Resulting from Lapse of Applicable Statute of Limitations Basis of Presentation and Principles of Consolidation Basis of Accounting, Policy [Policy Text Block] Moderate Risk Level, Medium [Member] Financing receivables, net Financing Receivable, after Allowance for Credit Loss Diluted (in shares) Weighted-average shares used to compute diluted net EPS (in shares) Weighted Average Number of Shares Outstanding, Diluted MNPI Disclosure Timed for Compensation Value MNPI Disclosure Timed for Compensation Value [Flag] Components of accumulated other comprehensive income, net of taxes AOCI Attributable to Parent, Net of Tax [Roll Forward] Total HPE stockholders' equity Equity, Attributable to Parent Total deferred tax assets Deferred Tax Assets, Gross Effective income tax rate reconciliation, GLTI, amount Effective Income Tax Rate Reconciliation, GLTI, Amount Financial Instruments Financial Instruments Disclosure [Text Block] Long-term portion of restructuring reserve, recorded in Other liabilities Restructuring Reserve, Noncurrent Litigation Case [Axis] Litigation Case [Axis] Business Combinations [Abstract] Business Combinations [Abstract] Cash Flows from Investing Activities: Net Cash Provided by (Used in) Investing Activities, Continuing Operations [Abstract] \$1,250 issued at discount to par at a price of 99.996% in September 2024 at 4.45%, due September 25, 2026, interest payable semi-annually on March 25 and September 25 of each year Senior Notes 2024, Issued At Discount To Par, Due September 2026 [Member] Senior Notes 2024, Issued At Discount To Par, Due September 2026 Schedule of allocation and changes in the carrying amount of goodwill Schedule of Goodwill [Table Text Block] India Directorate of Revenue Intelligence Proceedings India Directorate Of Revenue Intelligence Proceedings [Member] Proceedings alleging the underpayment of customs duties to the India Directorate of Revenue. Total Other Comprehensive Income (Loss), Derivative Cash Flow and Net Investment Hedges, Increase (Decrease), Before Adjustments and Tax Other Comprehensive Income (Loss), Derivative Cash Flow and Net Investment Hedges, Increase (Decrease), Before Adjustments and Tax Concentration Risk Type [Domain] Concentration Risk Type [Domain] Selling, general and administrative Selling, General and Administrative Expense Total defined contribution expense Defined Contribution Plan, Cost Thereafter Sales-Type and Direct Financing Leases, Payment to be Received, after Year Five Intercompany prepayments Deferred Tax Assets Intercompany Royalty Prepayments Deferred Tax Assets Intercompany Royalty Prepayments Cost of sales Cost of Sales [Member] Products Product [Member] Guarantees and Indemnifications Guarantees [Text Block] Cash and Cash Equivalents Defined Benefit Plan, Cash and Cash Equivalents [Member] Sale of Stock [Domain] Sale of Stock [Domain] Number of shares authorized and available for issuance (shares) Share-Based Compensation Arrangement by Share-Based Payment Award, Number of Shares Authorized Document Fiscal Period Focus Document Fiscal Period Focus 2028 Long-Term Debt, Maturity, Year Four Acquisition, disposition and other related charges Acquisition, disposition and other related charges Business Combination, Acquisition Related Costs All Executive Categories All Executive Categories [Member] Dilutive effect of employee stock plans (in shares) Incremental Common Shares Attributable to Dilutive Effect of Share-Based Payment Arrangements Statement of Financial Position Location, Balance [Domain] Statement of Financial Position Location, Balance [Domain] Equity investments Equity Securities [Member] Share price (in USD per share) Business Acquisition, Share Price Retirement Plan Tax Status [Domain] Retirement Plan Tax Status [Domain] Schedule of Restructuring Reserve by Cost Schedule of Restructuring Reserve by Type of Cost [Table Text Block] Net unrealized gains on available-for-sale securities AOCI, Accumulated Gain (Loss), Debt Securities, Available-for-Sale, Parent [Member] 2026 Finite-Lived Intangible Asset, Expected Amortization, Year Two Changed Peer Group, Footnote Changed Peer Group, Footnote [Text Block] ASSETS Assets [Abstract] Due in more than five years Available For Sale Securities Debt Maturities after Five Years Amortized Cost Amortized Cost of available-for-sale debt securities, maturing after the fifth fiscal year following the latest fiscal year. Retirement Plan Type [Domain] Retirement Plan Type [Domain] Other comprehensive loss Other Comprehensive Income (Loss), Net of Tax Document Type Document Type \$400 issued at discount to par at a price of 99.997% in March 2023 at 6.102%, due April 1, 2026, interest payable semi-annually on April 1 and October 1 of each year Senior Notes 2023, Issued At Discount To Par, Due April 2026 [Member] Senior Notes 2023, Issued At Discount To Par, Due April 2026 Derivative Contract [Domain] Derivative Contract [Domain] U.S. Defined Benefit Plan, Equity Securities, US [Member] Actuarial loss (gain) Defined Benefit Plan, Benefit Obligation, Actuarial Gain (Loss) Segment Operating Results from Continuing Operations Schedule of Segment Reporting Information, by Segment [Table Text Block] Operating Leases Leases, Operating [Abstract] Derivative Liability, Statement of Financial Position [Extensible Enumeration] Derivative Liability, Statement of Financial Position [Extensible Enumeration] Purchases of investments Payments to Acquire Marketable Securities Financial Services Financial Services [Member] Business reporting segment that supports and enhances the entity's global product and services solutions, providing a broad range of value-added financial life-cycle management services. Defined Benefit Plan [Table] Defined Benefit Plan [Table] Debt securities, amortized cost Debt Securities, Available-for-Sale, Amortized Cost Contract Liabilities and Remaining Performance Obligations Contract with Customer, Contract Asset, Contract Liability, and Receivable [Table Text Block] Schedule of estimated future amortization expense related to finite-lived purchased intangible assets Schedule of Finite-Lived Intangible Assets, Future Amortization Expense [Table Text Block] Maximum Maximum [Member] 7.625% Series C mandatory convertible preferred stock, \$0.01 par value (30,000,000 issued and outstanding at October 31, 2024) Preferred stock value outstanding Preferred Stock, Value, Outstanding Equity Valuation Assumption Difference, Footnote Equity Valuation Assumption Difference, Footnote [Text Block] Accumulated impairment loss Goodwill, Impaired, Accumulated Impairment Loss Amortizable intangible assets, net Total(1) Finite-Lived Intangible Assets, Net Collateral payable Collateral Payable, Current Collateral Payable, Current Accounts payable Accounts Payable, Current State taxes: State and Local Income Tax Expense (Benefit), Continuing Operations [Abstract] Tax credits in state and foreign jurisdictions Deferred Tax Assets Tax Credit Carryforwards State and Foreign Amount before allocation of valuation allowances of deferred tax asset, attributable to state and foreign tax credit carryforwards. High Risk Level, High [Member] Offsetting Liabilities Offsetting Liabilities [Table Text Block] \$550 issued at discount to par at a price of 99.887% in June 2023 at 5.25%, due July 1, 2028, interest payable semi-annually on January 1 and July 1 of each year Senior Notes 2023, Issued At Discount To Par, Due July 2028 [Member] Senior Notes 2023, Issued At Discount To Par, Due July 2028 Total lease cost Lease, Cost Statistical Measurement [Axis] Statistical Measurement [Axis] Supplier finance program, obligation Supplier Finance Program, Obligation Non-Rule 10b5-1 Arrangement Terminated Non-Rule 10b5-1 Arrangement Terminated [Flag] \$643 issued in March 2023 and April 2023, in five tranches at a weighted average price of 99.99% and a weighted average interest rate of 5.59%, payable monthly from April 2023 with a stated final maturity of April 2028 Asset-Backed Securities Issued in March and April 2023 [Member] Asset-Backed Securities Issued in March and April 2023 Lessor, Lease, Description [Line Items] Lessor, Lease, Description [Line Items] Earnings before provision for taxes Income (Loss) from Continuing Operations before Income Taxes, Noncontrolling Interest Non-PEO NEO Average Total Compensation Amount Non-PEO NEO Average Total Compensation Amount Fixed assets Deferred Tax Liabilities, Property, Plant and Equipment Name Outstanding Recovery, Individual Name Adjustments to existing allowances, including write offs Allowance for Doubtful Accounts Receivable Deductions Net of Recoveries Amount of deductions of receivables doubtful of collection, net of recoveries that were previously charged off. Impairment of goodwill Goodwill, Impairment Loss Goodwill, Impairment Loss ECT Proceedings E C T [Member] The risk of loss associated with lawsuits claiming an alleged bid rigging scheme. Total fair value consideration Business Combination, Recognized Identifiable Assets Acquired, Goodwill, and Liabilities Assumed, Net Amounts due after one year, net Notes Receivable Net, Noncurrent Notes Receivable Net, Noncurrent Tax credits in state and foreign jurisdictions Tax Credit Carryforward State and Foreign Valuation Allowance Amount of valuation allowance pertaining to the deferred tax asset from tax credit carryforwards related to state and foreign jurisdictions for which it is more likely than not that a tax benefit will not be realized. Other, including capital lease obligations Capital Lease Obligations and Other Borrowings The total of the amount of other borrowings and capital lease obligations. Capital lease obligations represents the amount equal to the present value (the principal) at the beginning of the lease term of minimum lease payments during the lease term (excluding that portion of the payments representing executor costs such as insurance, maintenance, and taxes to be paid by the lesser, together with any profit thereon) net of payments or other amounts applied to the principal through the balance sheet date. Award Timing Predetermined Award Timing Predetermined [Flag] Adjustment of profit on intra-entity sales Income (Loss) From Equity Method Investments, Components, Elimination Of Intra-Entity Sales Income (Loss) From Equity Method Investments, Components, Elimination Of Intra-Entity Sales Scheduled Maturities of Minimum Lease Payments Receivable Sales-Type and Direct Financing Leases, Payment to be Received, Maturity [Table Text Block] Payment of debt Repayment of Long-Term Debt, Long-Term Lease Obligation, and Capital Security Subsequent Event Type [Domain] Subsequent Event Type [Domain] Cash dividends paid to shareholders Payments of Ordinary Dividends, Common Stock Net losses arising during the period Other Comprehensive Income (Loss), Foreign Currency Transaction and Translation Gain (Loss), before Reclassification and Tax Investment, Name [Axis] Investment, Name [Axis] Prior service benefit Defined Benefit Plan, Amortization of Prior Service Cost (Credit) Average warranty expense as a percent of annual product revenue Warranty Expense, Average of Annual Revenue Warranty Expense, Average of Annual Revenue Diluted (in dollars per share) Earnings Per Share, Diluted Counterparty Name [Domain] Counterparty Name [Domain] State and Local Jurisdiction [Member] U.S. Income (Loss) from Continuing Operations before Income Taxes, Domestic Restatement does not require Recovery Restatement Does Not Require Recovery [Text Block] Year three Financing Receivable, Year Four, Originated, Three Years before Current Fiscal Year Change in Net Unrealized Gains (Losses) on Available-for-sale Securities: OCI, Debt Securities, Available-for-Sale, Gain (Loss), after Adjustment, before Tax [Abstract] Derivative Fair Value of Derivative Asset Gross Amounts not Offset [Abstract] Derivative Fair Value of Derivative Asset Gross Amounts not Offset [Abstract] Counterparty collateral Counterparty Collateral For Borrowed Securities Counterparty Collateral For Borrowed Securities Retirement Benefits [Abstract] Retirement Benefits [Abstract] Percentage of maximum matching contribution Defined Contribution Plan, Employer Matching Contribution, Percent of Employees' Gross Pay Preferred stock, shares issued (in shares) Preferred Stock, Shares Issued Customer [Axis] Customer [Axis] 2027 Lessor, Operating Lease, Payment to be Received, Year Three Statement of Financial Position [Abstract] Statement of Financial Position [Abstract] Other Other Plan Assets [Member] Other assets held by a defined benefit plan. Asset-backed Securities Asset-Backed Securities [Member] Warranty Product Warranty Accrual, Current Conflict Between Russian and Ukraine and Related Trade Sanctions Conflict Between Russian and Ukraine and Related Trade Sanctions [Member] Conflict Between Russian and Ukraine and Related Trade Sanctions Total grant date fair value of restricted stock vested Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Vested in Period, Fair Value Net earnings attributable to HPE Net Income (Loss), Including Portion Attributable to Noncontrolling Interest Litigation Matters and Other Contingencies Indemnification Agreement [Member] Derivative Instruments Not Designated as Hedging Instruments, Gain (Loss), Net Derivative Instruments Not Designated as Hedging Instruments, Gain (Loss), Net \$651 issued in October 2022, in five tranches at a weighted average price of 99.99% and a weighted average interest rate of 5.55%, payable monthly from November 2022 with a stated final maturity date of August 2029 Asset-Backed Securities Issued In October 2022 [Member] Asset-Backed Securities Issued In October 2022 Provision for taxes Provision for (benefit from) taxes on earnings Income Tax Expense (Benefit) Interest cost Defined Benefit Plan, Interest Cost Domestic and foreign components of earnings (loss) before taxes Income (Loss) from Continuing Operations before Equity Method Investments, Income Taxes, Noncontrolling Interest [Abstract] Derivative notional amount Derivative, Notional Amount Net Amount Presented Derivative Asset Net benefit (credit) cost Defined Benefit Plan, Net Periodic Benefit Cost (Credit) [Abstract] Recorded unconditional purchase obligation, total Recorded Unconditional Purchase Obligation Remaining weighted-average vesting period over which pre-tax stock-based compensation expense is expected to be recognized Share-Based Payment Arrangement, Nonvested Award, Cost Not yet Recognized, Period for Recognition Net periodic benefit cost (credit) Defined Benefit Plan Net Periodic Benefit Cost before Settlements and Curtailments The total amount of net periodic benefit cost (credit) for defined benefit plans for the period, before gain or loss due to settlements or curtailments. Revenues Revenue from Contract with Customer, Excluding Assessed Tax Intangible assets Acquired Intangible Assets [Line Items] Put share purchase agreement, net of tax Equity Method Investment, Put Share Purchase Agreement, Total Consideration, Net Of Tax Equity Method Investment, Put Share Purchase Agreement, Total Consideration, Net Of Tax Statement of Comprehensive Income [Abstract] Statement of Comprehensive Income [Abstract] Interest expense on borrowings recognized in Combined Statements of Earnings Interest Expense, Operating and Nonoperating [Abstract] Cash Equivalents, at Carrying Value Cash Equivalents, at Carrying Value IT costs Information Technology Infrastructure Costs Information Technology infrastructure costs incurred for internally developed software that is not eligible for capitalization, and system implementation costs. Provision for inventory and credit losses Inventory Write-down Finance Lease, Liability, Noncurrent, Statement of Financial Position [Extensible List] Finance Lease, Liability, Noncurrent, Statement of Financial Position [Extensible Enumeration] Number of commercial paper programs Number of Commercial Paper Programs Maintained Number of Commercial Paper Programs Maintained Net cash used in investing activities Net Cash Provided by (Used in) Investing Activities Senior Unsecured Delayed Draw Term Loan Senior Unsecured Delayed Draw Term Loan [Member] Senior Unsecured Delayed Draw Term Loan Total interest expense Interest Expense, Operating and Nonoperating Registered Investment Companies Registered Investment Companies [Member] Represents the investment in registered investment companies. Acquisitions: Business Acquisition [Line Items] Income Tax Jurisdiction [Axis] Income Tax Jurisdiction [Axis] Restructuring and Related Cost, Cost Incurred to Date Restructuring and Related Cost, Cost Incurred to Date Equity Method Investments Equity Method Investments [Policy Text Block] Earnings from equity interests, net of taxes Income (Loss) From Equity Method Investments, Components, Allocated Income (Loss) Income (Loss) From Equity Method Investments, Components, Allocated Income (Loss) All Adjustments to Compensation All Adjustments to Compensation [Member] Equity Method Investments Equity Method Investments [Table Text Block] Employee compensation and benefits Employee-related Liabilities, Current Short-term Debt, Type [Domain] Short-Term Debt, Type [Domain] Length of sanctions Length of Sanctions for Injunctive Relief The length of sanctions that the entity is suspended from bidding and contracting based upon a preliminary ruling issued by the intermediate appellate court. Guarantor obligations maximum exposure Guarantor Obligations, Maximum Exposure, Undiscounted Derivative Instruments, Gain (Loss) [Table] Derivative Instruments, Gain (Loss) [Table] Restructuring charges Charges Restructuring Charges Components of accumulated other comprehensive income, net of taxes Accumulated Other Comprehensive Income (Loss) [Line Items] Legal Entity [Axis] Legal Entity [Axis] Disposal Group, Disposed of by Sale, Not Discontinued Operations Disposal Group, Disposed of by Sale, Not Discontinued Operations [Member] Defined Contribution Plan Disclosure [Line Items] Defined Contribution Plan Disclosure [Line Items] Lease income from operating leases Operating Lease, Lease Income Common stock, \$0.01 par value (9,600,000,000 shares authorized; 1,297,258,235 and 1,282,630,405 issued and outstanding at October 31, 2024 and October 31, 2023, respectively) Common Stock, Value, Outstanding Related Party Transaction [Axis] Related Party Transaction [Axis] Expected increase in compensation levels Defined Benefit Plan, Impact of Assumptions Used Calculating Net Periodic Benefit Cost, Expected Increase in Compensation, Basis Points Defined Benefit Plan, Impact of Assumptions Used Calculating Net Periodic Benefit Cost, Expected Increase in Compensation, Basis Points Total Lessor, Operating Lease, Payment to be Received Gross Unrealized Gains(Losses) Debt Securities, Available-for-Sale, Accumulated Gross Unrealized Gain (Loss), before Tax Expected timing of satisfaction Revenue, Remaining Performance Obligation, Expected Timing of Satisfaction, Period Net unrealized gains (losses) on cash flow hedges Accumulated Gain (Loss), Net, Cash Flow Hedge, Parent [Member] Long-term Debt, Type [Domain] Long-Term Debt, Type [Domain] Discount rate Defined Benefit Plan, Impact of Assumptions Used Calculating Net Periodic Benefit Cost, Discount Rate, Basis Points Defined

Benefit Plan, Impact of Assumptions Used Calculating Net Periodic Benefit Cost, Discount Rate, Basis Points Entity Address, State or Province Entity Address, State or Province Reimbursement of benefit payments Defined Benefit Plan, Plan Assets, Increase (Decrease) From Reimbursement Of Benefit Payments Defined Benefit Plan, Plan Assets, Increase (Decrease) From Reimbursement Of Benefit Payments Schedule of Equity Method Investments [Line Items] Schedule of Equity Method Investments [Line Items] Erroneous Compensation Analysis Erroneous Compensation Analysis [Text Block] Fair value adjustment related to hedged debt Fair value adjustment related to hedged debt Deferred Gain (Loss) on Discontinuation of Interest Rate Fair Value Hedge Defined Benefit Plan, Plan Assets, Category [Domain] Defined Benefit Plan, Plan Assets, Category [Domain] Defined benefit plans Defined Benefit Plan Disclosure [Line Items] Equity, Class of Treasury Stock [Line Items] Equity, Class of Treasury Stock [Line Items] Financial Instruments [Domain] Financial Instruments [Domain] Accounts, Notes, Loans and Financing Receivable [Line Items] Accounts, Notes, Loans and Financing Receivable [Line Items] Developed and core technology and patents Developed Technology Rights Patented And Unpatented Technology [Member] Assets acquired in a business combination that includes a) the value associated with developed technology, including the right to develop, use, market, sell or offer for sale the product, compounds and intellectual property that has been acquired with respect to products, compounds or processes that have been completed, b) the exclusive legal right granted by the government to the owner of the patented technology to exploit the technology for a period of time specified by law, and c) technology-based intangible assets such as innovations or scientific advances that have not been patented. Morphheus Data Morphheus Data [Member] Morphheus Data Outstanding at beginning of period (in dollars per share) Outstanding at end of period (in dollars per share) Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Nonvested, Weighted Average Grant Date Fair Value LIABILITIES AND STOCKHOLDERS' EQUITY Liabilities and Equity [Abstract] Summary of Net Benefit Cost Schedule of Net Benefit Costs [Table Text Block] Expected increase in compensation levels Defined Benefit Plan, Impact of Assumptions Used Calculating Net Periodic Benefit Cost, Expected Increase in Compensation, Amount Defined Benefit Plan, Impact of Assumptions Used Calculating Net Periodic Benefit Cost, Expected Increase in Compensation, Amount Valuation allowance Effective Income Tax Rate Reconciliation, Change in Deferred Tax Assets Valuation Allowance, Percent Restatement Determination Date Restatement Determination Date Derivative Derivative [Member] Fair Value Estimate of Fair Value Measurement [Member] Pay vs Performance Disclosure Pay vs Performance Disclosure [Table] Interest rate contracts Interest Rate Contract [Member] Accrued income tax for interest and penalties Income Tax Examination, Penalties and Interest Accrued Property, Plant and Equipment [Table] Property, Plant and Equipment [Table] \$2,500 issued at discount to par at a price of 99.725% in October 2015 at 4.90%, due October 15, 2025, interest payable semi-annually on April 15 and October 15 of each year Senior Notes 2015, Issued At Discount To Par, Due October 2025 [Member] Senior notes issued at discount to par, due in October 2025. Interest Crediting Rate Defined Benefit Plan, Assumptions Used Calculating Net Periodic Benefit Cost, Weighted-Average Interest Crediting Rate ROU Assets Operating Lease, Right-of-Use Asset Concentration Risk [Table] Concentration Risk [Table] Erroneously Awarded Compensation Recovery Erroneously Awarded Compensation Recovery [Table] Derivative Instruments, Gain (Loss) Derivative Instruments, Gain (Loss) [Line Items] Number of patents allegedly infringed Loss Contingency, Patents Allegedly Infringed, Number Short-term Debt, Type [Axis] Short-Term Debt, Type [Axis] Carryforward Deferred Tax Assets, Tax Credit Carryforwards [Abstract] Plan amendments Defined Benefit Plan, Benefit Obligation, Increase (Decrease) for Plan Amendment Impairment of assets under operating lease Impairment, Lessor Asset under Operating Lease Net Earnings Per Share Earnings Per Share [Text Block] Subsequent Event Subsequent Event [Member] Costs and Expenses: Costs and Expenses [Abstract] U.S. R&D credit Effective Income Tax Rate Reconciliation, Tax Credit, Research, Percent Restricted cash Restricted Cash and Cash Equivalents, Current Hybrids Hybrids Investment [Member] Investment vehicle that combines two different kinds of underlying investments. Granted and assumed through acquisition (in dollars per share) Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Grants in Period, Weighted Average Grant Date Fair Value Taxes on Earnings Income Tax, Policy [Policy Text Block] Peer Group Issuers, Footnote Peer Group Issuers, Footnote [Text Block] Number of other countries in which HPE is subject to income taxes Other Countries with Income Tax Jurisdiction Number Represents the number of other countries in which the entity is subject to income taxes. Other debt securities(1) Debt-Other Other Debt Obligations [Member] Restructuring Plan [Axis] Restructuring Plan [Axis] Segments [Domain] Segments [Domain] Finance Lease Liability Maturity Finance Lease, Liability, to be Paid, Maturity [Table Text Block] Tax benefit Other Comprehensive Income (Loss), Tax Unbilled Revenues Unbilled Revenues [Member] Reconciliation of unrecognized tax benefits Unrecognized Tax Benefits [Roll Forward] Trade name and trademarks Trademarks and Trade Names [Member] PEO PEO [Member] Customer One Customer One [Member] Customer One Financial collateral received Proceeds from Collateral Returned Proceeds from Collateral Returned Billing Status, Type [Axis] Billing Status, Type [Axis] Deferred Tax Asset [Domain] Deferred Tax Asset [Domain] Name Trading Arrangement, Individual Name Funded (Unfunded) Status of Plan Funded status at end of year Defined Benefit Plan, Funded (Unfunded) Status of Plan Fair Values Derivatives, Balance Sheet Location, by Derivative Contract Type [Table] Fair Values Derivatives, Balance Sheet Location, by Derivative Contract Type [Table] Short-term Variable Interest Entity, Consolidated, Assets, Finance Receivables, Current Variable Interest Entity, Consolidated, Assets, Finance Receivables, Current Property, Plant and Equipment, Type [Axis] Long-Lived Tangible Asset [Axis] Total recognized in accumulated other comprehensive loss Defined Benefit Plan, Accumulated Other Comprehensive (Income) Loss, before Tax Entity Public Float Entity Public Float Disposal Group Name [Axis] Disposal Group Name [Axis] 2028 Lessor, Operating Lease, Payment to be Received, Year Four Earnings from equity interests Earnings from equity interests Earnings (loss) from equity interests Earnings (loss) from equity interests Income (Loss) from Equity Method Investments Defined benefit plan, benefit obligation Projected benefit obligationâ€beginning of year Projected benefit obligationâ€end of year Defined Benefit Plan, Benefit Obligation Gain (Loss) on Fair Value Hedges Recognized in Earnings Gain (Loss) on Fair Value Hedges Recognized in Earnings Cumulative Amount of Fair Value Hedging Adjustment Included in the Carrying Amount of the Hedged Assets/ (Liabilities) Hedged Liability, Fair Value Hedge, Cumulative Increase (Decrease) Awards Close in Time to MNPI Disclosures, Table Awards Close in Time to MNPI Disclosures [Table Text Block] Net losses (gains) reclassified into earnings Loss on interest rate lock Other Comprehensive Income (Loss), Cash Flow Hedge, Reclassification for Discontinuation, before Tax Prior Year End Fair Value of Equity Awards Granted in Any Prior Year that Fail to Meet Applicable Vesting Conditions During Covered Year Prior Year End Fair Value of Equity Awards Granted in Any Prior Year that Fail to Meet Applicable Vesting Conditions During Covered Year [Member] \$1,500 issued at discount to par at a price of 98.086% in September 2024 at 5.60%, due October 15, 2054, interest payable semi-annually on April 15 and October 15 of each year Senior Notes 2024, Issued At Discount To Par, Due October 2054 [Member] Senior Notes 2024, Issued At Discount To Par, Due October 2054 Decrease in Unrecognized Tax Benefits is Reasonably Possible Decrease in Unrecognized Tax Benefits is Reasonably Possible Retirement Plan Sponsor Location [Domain] Retirement Plan Sponsor Location [Domain] Aggregate Erroneous Compensation Amount Aggregate Erroneous Compensation Amount Long-term debt Long-term Debt and Lease Obligation [Member] Long-term Debt and Lease Obligation Earnings Before Taxes: Segment Reporting Information, Operating Income (Loss) [Abstract] Local Phone Number Local Phone Number Intangible assets, gross (excluding goodwill) Intangible Assets, Gross (Excluding Goodwill) Cost Optimization and Prioritization Plan Cost Optimization and Prioritization Plan [Member] Cost Optimization and Prioritization Plan Valuation allowance(1) Valuation allowance on deferred tax assets Deferred Tax Assets, Valuation Allowance Debt, long-term and short-term, combined amount Debt, Long-Term and Short-Term, Combined Amount Aggregate Erroneous Compensation Not Yet Determined Aggregate Erroneous Compensation Not Yet Determined [Text Block] Equity Method Investment [Table] Equity Method Investment [Table] Euro Commercial Paper/Certificate of Deposit Programme Euro Commercial Paper Certificate of Deposit Programme [Member] Euro Commercial Paper Certificate of Deposit Programme [Member] Total Americas Americas [Member] Collateralized arrangements in net liability position Derivative, Net Liability Position, Aggregate Fair Value Internal rate of return Measurement Input, Internal Rate Of Return [Member] Measurement Input, Internal Rate Of Return Capitalized internal use software Capitalized Software For Internal Use [Member] Capitalized costs of purchased software applications and capitalized costs to develop software for internal use. Changes in Operating Assets and Liabilities, Net of Acquisitions: Increase (Decrease) in Operating Capital [Abstract] Maturity period of foreign currency cash flow hedges Maximum Length of Time, Foreign Currency Cash Flow Hedge PEO Total Compensation Amount PEO Total Compensation Amount Stock purchase price as a percentage of the fair market value on the purchase date Share-Based Compensation Arrangement by Share-Based Payment Award, Purchase Price of Common Stock, Percent Senior notes Senior Notes Derivative liability, fair value Derivative Liability, Subject to Master Netting Arrangement, before Offset Immediately Available Immediately Available [Member] Immediately Available Lessor, Lease, Description [Table] Lessor, Lease, Description [Table] Property, Plant and Equipment, Type [Domain] Long-Lived Tangible Asset [Domain] Statement of Income Location, Balance [Axis] Statement of Income Location, Balance [Axis] Other Comprehensive Income (Loss) Before Taxes Other Comprehensive Income (Loss), before Tax, Portion Attributable to Parent Defined Benefit Plan, Plan Assets, Category [Axis] Defined Benefit Plan, Plan Assets, Category [Axis] Basis difference amortization Equity Method Investment, Amortization Of Difference In Basis Equity Method Investment, Amortization Of Difference In Basis Debt Disclosure [Abstract] Debt Disclosure [Abstract] Common Stock Common Stock [Member] Income Tax Examination, Increase (Decrease) in Liability from Prior Year Income Tax Examination, Increase (Decrease) in Liability from Prior Year Intangible Assets and Long-Lived Assets Impairment or Disposal of Long-Lived Assets, Including Intangible Assets, Policy [Policy Text Block] Derivative Liability, Subject to Master Netting Arrangement, Collateral, Right to Reclaim Cash Not Offset Derivative Liability, Subject to Master Netting Arrangement, Collateral, Right to Reclaim Cash Not Offset Forgone Recovery due to Expense of Enforcement, Amount Forgone Recovery due to Expense of Enforcement, Amount Schedule of Business Acquisitions, by Acquisition [Table] Schedule of Business Acquisitions, by Acquisition [Table] Line of Credit Line of Credit [Member] Customer deposits Contract With Customer, Liability, Customer Deposits, Current Contract With Customer, Liability, Customer Deposits, Current Segment Reporting [Abstract] Segment Reporting [Abstract] Pension, post-retirement, and post-employment Liability, Pension and Other Postretirement and Postemployment Benefits, Noncurrent Entity Central Index Key Entity Central Index Key Damages sought Loss Contingency, Damages Sought, Value Inventory Schedule of Inventory, Current [Table Text Block] Equity Method Investments and Joint Ventures [Abstract] Equity Method Investments and Joint Ventures [Abstract] Allowance for doubtful accounts Financing Receivable, Allowance for Credit Loss [Roll Forward] Cumulative translation adjustment Accumulated Foreign Currency Adjustment Attributable to Parent [Member] Notes payable to banks, lines of credit and other Notes Payable To Banks Lines Of Credit And Other Notes Payables [Member] Obligation related to notes payable to banks, lines of credit and other debt. Other Other Restructuring Costs Non-PEO NEO Average Compensation Actually Paid Amount Non-PEO NEO Average Compensation Actually Paid Amount Charges Standard and Extended Product Warranty Accrual, Increase for Warranties Issued Stockholders' Equity Equity [Text Block] Award Timing, How MNPI Considered Award Timing, How MNPI Considered [Text Block] Financial Instrument [Axis] Financial Instrument [Axis] Current portion of long-term debt Long-Term Debt, Current Maturities Segment Information Segment Reporting Disclosure [Text Block] Valuation Approach, Income Capitalization and Cost Approach Valuation Approach, Income Capitalization and Cost Approach [Member] Valuation Approach, Income Capitalization and Cost Approach Buildings and leasehold improvements Land and Building [Member] \$750 issued at discount to par at a price of 99.820% in July 2020 at 1.75%, due April 1, 2026, interest payable semi-annually on April 1 and October 1 of each year Senior Notes 2020, Issued At Discount To Par, Due April 2026 [Member] Senior Notes 2020, Issued At Discount To Par, Due April 2026 Stock-based compensation expense APIC, Share-Based Payment Arrangement, Increase for Cost Recognition Program management Professional Fees Derivative, Gain (Loss), Statement of Income or Comprehensive Income [Extensible Enumeration] Derivative, Gain (Loss), Statement of Income or Comprehensive Income [Extensible Enumeration] Measurement Basis [Axis] Measurement Basis [Axis] Tax Indemnification Tax Indemnification [Member] Tax Indemnification [Member] Financial collateral posted Payments for Collateral Posted Payments for Collateral Posted Title Trading Arrangement, Individual Title Other, including capital lease obligations, at 1.1%-9.0%, due in calendar years 2021-2030 Other Long Term Debt And Capital Lease Obligations [Member] Long-term debt not otherwise specified in the taxonomy, including capital lease obligations. Restructuring Increase (Decrease) in Restructuring Reserve Consolidated Entities [Axis] Consolidated Entities [Axis] Defined Contribution Plan [Table] Defined Contribution Plan [Table] Schedule of domestic and foreign components of earnings before taxes Schedule of Income before Income Tax, Domestic and Foreign [Table Text Block] Unrecognized Tax Benefits, Beginning Balance Unrecognized Tax Benefits, Ending Balance Unrecognized Tax Benefits Federal Internal Revenue Service (IRS) [Member] City Area Code City Area Code Current Liabilities: Liabilities, Current [Abstract] Auditor location Auditor Location Forsyth, et al. vs HP Inc. and Hewlett Packard Enterprise Forsyth, et al. vs HP Inc. and Hewlett Packard Enterprise [Member] Forsyth, et al. vs HP Inc. and Hewlett Packard Enterprise [Member] Disposal Group Classification [Domain] Revenue Recognition Revenue [Policy Text Block] Insider Trading Policies and Procedures Not Adopted Insider Trading Policies and Procedures Not Adopted [Text Block] Stockholders' Equity Note [Abstract] Stockholders' Equity Note [Abstract] Preferred Stock Preferred Stock [Member] \$1,000 issued in March 2021, in six tranches at a weighted average price of 99.99% and a weighted average interest rate of 0.49%, payable monthly from April 2021 with a stated final maturity date of March 2031 Asset-Backed Securities Issued In March 2021 [Member] Asset-Backed Securities Issued In March 2021 Repurchase of common stock Payments for Repurchase of Common Stock Document Information [Line Items] Retirement and Post-Retirement Plans Pension and Other Postretirement Plans, Policy [Policy Text Block] Unremitted earnings of foreign subsidiaries Deferred Tax Liabilities, Undistributed Foreign Earnings Financing cost Financing Interest Expenses, Including Divestitures Financing Interest Expenses, Including Divestitures Change in enacted tax rate, expense (benefit) Effective Income Tax Rate Reconciliation, Change in Enacted Tax Rate, Amount Schedule of Segment Reporting Information, by Segment [Table] Schedule of Segment Reporting Information, by Segment [Table] Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Nonvested, Weighted Average Grant Date Fair Value [Abstract] Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Nonvested, Weighted Average Grant Date Fair Value [Abstract] Restructuring Reserve Restructuring Reserve [Roll Forward] Subsequent Event Type [Axis] Subsequent Event Type [Axis] Unsatisfied performance obligation expected to be recognized over the year Revenue, Remaining Performance Obligation, Percentage Subsequent Option Agreement Subsequent Option Agreement [Member] Subsequent Option Agreement Net earnings (loss) per share: Earnings Per Share [Abstract] Unguaranteed residual value Leases, Unguaranteed Residual Values of Leased Property The estimate of the lease properties economic value at the end of the financing lease term excluding any amounts guaranteed by either the lessee or a third-party. Fair Value Debt Securities, Available-for-Sale, Fair Value, Fiscal Year Maturity [Abstract] Accumulated deficit Retained Earnings (Accumulated Deficit) Finance Lease, Right-of-Use Asset, Statement of Financial Position [Extensible List] Finance Lease, Right-of-Use Asset, Statement of Financial Position [Extensible Enumeration] Retired (shares) Stock Repurchased and Retired During Period, Shares Valuation Allowance Valuation Allowance [Abstract] Defined benefit plan, plan assets, divestiture Defined Benefit Plan, Plan Assets, Divestiture Class of Stock [Domain] Class of Stock [Domain] Tranche [Axis] Tranche [Axis] Tranche Inventory Increase (Decrease) in Inventories Customer contracts, customer lists and distribution agreements Customer Contracts Customer Lists And Distribution Agreements [Member] Assets acquired in a business combination which include a) customer contracts, b) customer lists with specific information about the customers such as their order history and demographic information, and c) legal rights, generally of a limited duration, to distribute a product within specific geographic areas or supply channels. Unrealized gains (losses) on equity securities Unrealized gains (losses) on equity securities Equity Securities, FV-NI, Unrealized Gain (Loss) 2026 Long-Term Debt, Maturity, Year Two Aggregate Available Trading Arrangement, Securities Aggregate Available Amount Equity Awards Adjustments Equity Awards Adjustments [Member] Total operating lease liabilities Total operating lease liabilities Operating Lease, Liability Change in Net Periodic Benefit Cost Defined Benefit Plan, Impact of Assumptions Used Calculating Net Periodic Benefit Cost [Abstract] Defined Benefit Plan, Impact of Assumptions Used Calculating Net Periodic Benefit Cost Purchases, sales, and settlements Defined Benefit Plan, Plan Assets Level 3 Reconciliation, Increase (Decrease) for Purchase, Sale, and Settlement Underlying Securities Award Underlying Securities Amount Schedule of Defined Benefit Plans Disclosures [Table] Defined Benefit Plans and Other Postretirement Benefit Plans Disclosures [Table] EV/EBITDA Multiples Minimum Measurement Input, EV/EBITDA Multiples Minimum [Member] Measurement Input, EV/EBITDA Multiples Minimum Low Risk Level, Low [Member] Conversion of Stock, Name [Domain] Conversion of Stock, Name [Domain] Notes payable to banks, lines of credit and other Notes and Loans Payable, Current 2029 Finance Lease, Liability, to be Paid, Year Five Cash dividends declared (\$0.52 per common share) Dividends, Common Stock, Cash Amendment Flag Amendment Flag Commercial paper Commercial Paper Cost Reported Value Measurement [Member] Total lease liabilities Lease Liability Lease Liability Participant contributions Defined Benefit Plan, Benefit Obligation, Contributions by Plan Participant Stock Appreciation Rights (SARs) Stock Appreciation Rights (SARs) [Member] Recovery Rate Measurement Input, Recovery Rate [Member] Measurement Input, Recovery Rate EV/EBITDA Multiples Measurement Input, EV/EBITDA Multiples [Member] Measurement Input, EV/EBITDA Multiples Machinery and equipment, including equipment held for lease Machinery and Equipment [Member] Finance lease cost Finance Lease, Right-of-Use Asset, Amortization Debt securities Defined Benefit Plan, Debt Security [Member] Actual return on plan assets Defined Benefit Plan, Plan Assets, Increase (Decrease) for Actual Return (Loss) Borrowings Debt Disclosure [Text Block] Fair Value Hierarchy and NAV [Domain] Fair Value Hierarchy and NAV [Domain] 7.65%

Series C Mandatory Convertible Preferred Stock 7.625% Series C Mandatory Convertible Preferred Stock [Member] 7.625% Series C Mandatory Convertible Preferred Stock Recovery of Erroneously Awarded Compensation Disclosure [Line Items] Face amount of debt instrument Debt Instrument, Face Amount Credit Quality Indicators Financing Receivable [Policy Text Block] Balance at beginning of balance Balance at end of year Standard and Extended Product Warranty Accrual Entity Address, Postal Zip Code Entity Address, Postal Zip Code Advertising expense Advertising Expense Bangalore Commissioner of Customs Bangalore Commissioner Of Customs [Member] Proceedings alleging the underpayment of customs duties to the Bangalore commissioner of customs under India Directorate of Revenue, Measurement inputs Defined Benefit Plan, Plan Assets Level 3 Reconciliation, Measurement Input Defined Benefit Plan, Plan Assets Level 3 Reconciliation, Measurement Input Year two Financing Receivable, Year Three, Originated, Two Years before Current Fiscal Year Change in Net Unrealized (Losses) Gains on Cash Flow Hedges: Other Comprehensive Income (Loss), Cash Flow Hedge, Gain (Loss), after Reclassification, before Tax [Abstract] Due in more than five years Available for Sale Securities Debt Maturities After Five Years Fair Value Fair value of available-for-sale debt securities, maturing after the fifth fiscal year following the latest fiscal year. Cash and cash equivalents Cash and Cash Equivalents, at Carrying Value Finite-lived intangible assets, period decrease Finite-Lived Intangible Assets, Period Increase (Decrease) Hybrid Cloud Hybrid Cloud Segment [Member] Hybrid Cloud Segment Schedule of net amount recognized for the direct plans in the entity's Combined Balance Sheets Schedule of Amounts Recognized in Balance Sheet [Table Text Block] Investment Holdings [Table] Schedule of Investments [Table] Long-Term Financing Receivables and Other Assets Other Noncurrent Assets [Member] Year-over-Year Change in Fair Value of Equity Awards Granted in Prior Years That are Outstanding and Unvested Year-over-Year Change in Fair Value of Equity Awards Granted in Prior Years That are Outstanding and Unvested [Member] Provision for credit losses Financing Receivable, Credit Loss, Expense (Reversal) Auditor name Auditor Name Threshold trading days Debt Instrument, Convertible, Threshold Trading Days Defined Benefit Plan, Plan Assets, Allocation [Line Items] Defined Benefit Plan, Plan Assets, Allocation [Line Items] Compute Compute [Member] Compute [Member] Expected amount of AOCI to be reclassified in the next 12 months Foreign Currency Cash Flow Hedge Gain (Loss) to be Reclassified During Next 12 Months Forfeited/canceled (in dollars per share) Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Forfeitures, Weighted Average Grant Date Fair Value Amortization of net actuarial loss and prior service benefit Other Comprehensive Income (loss) Actuarial and Prior Service Costs Net Periodic Benefit Cost before Tax Before tax amount of the income statement impact of the reclassification adjustment for actuarial (gain) loss and prior service (benefit) costs recognized as a component of net periodic benefit cost. Other Accrued Liabilities Other Current Liabilities [Member] Year-end Fair Value of Equity Awards Granted in Covered Year that are Outstanding and Unvested Year-end Fair Value of Equity Awards Granted in Covered Year that are Outstanding and Unvested [Member] Business Acquisition, Contingent Consideration [Line Items] Business Acquisition, Contingent Consideration [Line Items] Proceeds from maturities and sales of investments Proceeds from Sale, Maturity and Collection of Investments Estimated useful life for property, plant and equipment Property, Plant and Equipment, Useful Life Purchased parts and fabricated assemblies Inventory, Work in Process and Raw Materials, Net of Reserves Employee Stock Purchase Plan Employee Stock [Member] \$1,000 issued in January 2022, in six tranches at a weighted average price of 99.99% and a weighted average interest rate of 1.51%, payable monthly from March 2022 with a stated final maturity date of November 2029 Asset-Backed Securities Issued In January 2022 [Member] Asset-Backed Securities Issued In January 2022 Measurement Frequency [Domain] Fair Value Measurement [Domain] Schedule of Short-term Debt [Table] Short-Term Debt [Table] Receivables Billing Status [Domain] Receivables Billing Status [Domain] Excess tax benefits related to stock-based compensation Effective Income Tax Rate Reconciliation, Tax Expense (Benefit), Share-Based Payment Arrangement, Amount Adjustment To PEO Compensation, Footnote Adjustment To PEO Compensation, Footnote [Text Block] Changes in aggregated product warranty liabilities Movement in Standard and Extended Product Warranty Accrual, Increase (Decrease) [Roll Forward] Property, plant and equipment, net Property, Plant, and Equipment and Finance Lease Right-of-Use Asset, after Accumulated Depreciation and Amortization Deferred revenue Deferred Tax Assets, Deferred Income Multi-Asset Credit Investments Multi-Asset Credit Investments [Member] Multi-Asset Credit Investments Derivatives Designated as Hedging Instruments Designated as Hedging Instrument [Member] Net earnings attributable to common stockholders Net earnings attributable to common stockholders - Basic Net Income (Loss) Available to Common Stockholders, Basic U.S. permanent differences Effective Income Tax Rate Reconciliation, Nondeductible Expense, Percent Financing receivables Increase (Decrease) in Finance Receivables Compensation Actually Paid vs. Other Measure Compensation Actually Paid vs. Other Measure [Text Block] Axis Security Axis Security [Member] Axis Security Currency impact Defined Benefit Plan, Benefit Obligation, Foreign Currency Translation Gain (Loss) Vesting Date Fair Value of Equity Awards Granted and Vested in Covered Year Vesting Date Fair Value of Equity Awards Granted and Vested in Covered Year [Member] Weighted-average shares used to compute net earnings per share: Denominator: Weighted Average Number of Shares Outstanding, Diluted [Abstract] Total assets Assets Cost of products and services Cost of Goods and Services Sold Advertising Advertising Cost [Policy Text Block] Financing receivable term, high end of range Financing Receivable Term Range, Maximum The high end of the range of the term of financing receivables. Other non-current liabilities Total Payable Other Liabilities, Noncurrent Cash receipts Cash Receipts The aggregate amount of cash receipts under revolving financing receivables arrangements facilities during the reporting period. Forgone Recovery due to Violation of Home Country Law, Amount Forgone Recovery due to Violation of Home Country Law, Amount Revenue, Remaining Performance Obligation, Expected Timing of Satisfaction [Line Items] Revenue, Remaining Performance Obligation, Expected Timing of Satisfaction [Line Items] Commitments and Contingencies Commitments and Contingencies Stock-Based Compensation Share-Based Payment Arrangement [Policy Text Block] Foreign bonds Foreign Government Debt [Member] Schedule of differences between the U.S. federal statutory income tax rate and effective tax rate Schedule of Effective Income Tax Rate Reconciliation [Table Text Block] Termination Date Trading Arrangement Termination Date Value-added and property taxes Taxes Payable Other than Income Current Carrying value as of the balance sheet date of obligations incurred and payable for taxes other than income tax. Used to reflect the current portion of the liabilities (due within one year or within the normal operating cycle if longer). Financial assets and liabilities measured at fair value on a recurring basis Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items] Equity Method Investment, Put Share Purchase Agreement, Issued Capital, Percentage Equity Method Investment, Put Share Purchase Agreement, Issued Capital, Percentage Equity Method Investment, Put Share Purchase Agreement, Issued Capital, Percentage 2026 Lessee, Operating Lease, Liability, to be Paid, Year Two 2025 Long-Term Debt, Maturity, Year One Derivative Asset, Including Not Subject to Master Netting Arrangement, after Offset and Deduction, Total Derivative Asset, Including Not Subject to Master Netting Arrangement, after Offset and Deduction Derivatives Not Designated as Hedging Instruments Not Designated as Hedging Instrument [Member] Uncertain tax positions Effective Income Tax Rate Reconciliation, Tax Contingency, Percent Gross financing receivables 90 days past due and still accruing interest Financing Receivable, 90 Days or More Past Due, Still Accruing Aggregate purchase price allocation, including preliminary allocations Schedule of Recognized Identified Assets Acquired and Liabilities Assumed [Table Text Block] Debt Instrument [Axis] Debt Instrument [Axis] Euro program Euro Commercial Paper Program [Member] Euro Commercial Paper Program [Member] Derivative Asset, Subject to Master Netting Arrangement, Collateral, Obligation to Return Cash Not Offset Derivative Asset, Subject to Master Netting Arrangement, Collateral, Obligation to Return Cash Not Offset Net earnings attributable to HPE Net Income (Loss) Attributable to Parent Trading Arrangement: Trading Arrangement [Axis] Next five fiscal years to October 31, 2034 Defined Benefit Plan, Expected Future Benefit Payment, after Year Five for Next Five Years Pay vs Performance Disclosure, Table Pay vs Performance [Table Text Block] Offsetting Assets Offsetting Assets [Table Text Block] Amount available under credit facility Line of Credit Facility, Current Borrowing Capacity Gross financing receivables on non-accrual status Financing Receivable, Nonaccrual Schedule of weighted-average target and actual asset allocations across the benefit plans Schedule of Allocation of Plan Assets [Table Text Block] Equity Awards Adjustments, Excluding Value Reported in Compensation Table Equity Awards Adjustments, Excluding Value Reported in the Compensation Table [Member] Entity File Number Entity File Number Schedule of weighted average assumptions used to calculate net benefit (credit) cost Defined Benefit Plan, Assumptions [Table Text Block] \$250 issued at premium to par at a price of 100.452% in June 2023 at 5.90%, due October 1, 2024, interest payable semi-annually on April 1 and October 1 of each year Senior Notes 2023, Issued At Premium To Par, Due October 2024 [Member] Senior Notes 2023, Issued At Premium To Par, Due October 2024 Aggregate fair value of plan assets Defined Benefit Plan, Pension Plan with Projected Benefit Obligation in Excess of Plan Assets, Plan Assets Consolidated Entities [Domain] Consolidated Entities [Domain] Noncontrolling Interests Noncontrolling Interest [Member] Income Statement [Abstract] Income Statement [Abstract] Entity Address, Address Line One Entity Address, Address Line One Capital loss carryforwards Capital Loss Carryforward [Member] Current Current Federal Tax Expense (Benefit) Effect of exchange rate changes on cash, cash equivalents, and restricted cash Effect of Exchange Rate on Cash, Cash Equivalents, Restricted Cash, and Restricted Cash Equivalents, Continuing Operations Significant Change in Unrecognized Tax Benefits is Reasonably Possible, Amount of Unrecorded Benefit Significant Change in Unrecognized Tax Benefits is Reasonably Possible, Amount of Unrecorded Benefit Restructuring Plan [Domain] Restructuring Plan [Domain] Name Forgone Recovery, Individual Name Alternative Investment, Fair Value Measurement Alternative Investment, Fair Value Measurement [Member] Alternative Investment, Fair Value Measurement Transaction [Domain] Transaction [Domain] Weighted-average remaining lease term (in years) Operating Lease, Weighted Average Remaining Lease Term Loss Contingency, Nature [Domain] Loss Contingency, Nature [Domain] Financing receivables, net Financing Receivable, after Allowance for Credit Loss, Noncurrent Components of Financing Receivables Leases in Financial Statements of Lessor Disclosure1 [Table Text Block] Disclosure of lessor entity's financing lease receivables and billed receivables from operating leases. Equity Securities Investments Investment, Policy [Policy Text Block] Other, net Other Noncash Income (Expense) Award Timing MNPI Considered Award Timing MNPI Considered [Flag] Cash Equivalents and Available For Sale Securities, Fair Value Cash Equivalents and Available For Sale Securities, Fair Value Cash Equivalents and Available For Sale Securities, Fair Value Deferred tax liabilities: Components of Deferred Tax Liabilities [Abstract] Schedule of estimated future benefits payable for the Company's direct retirement plans Schedule of Expected Benefit Payments [Table Text Block] Goodwill impairment Effective Income Tax Rate Reconciliation, Nondeductible Expense, Impairment Losses, Percent For prior years' tax positions Unrecognized Tax Benefits, Decrease Resulting from Prior Period Tax Positions Outstanding Aggregate Erroneous Compensation Amount Outstanding Aggregate Erroneous Compensation Amount Uncommitted credit facility Uncommitted Credit Facility [Member] Uncommitted Credit Facility PEO Actually Paid Compensation Amount PEO Actually Paid Compensation Amount Adjustment to Compensation: Adjustment to Compensation [Axis] Obligation to return cash received from repurchase agreements Obligation to Return Cash Received From Repurchase Agreements [Member] Obligation to Return Cash Received From Repurchase Agreements [Member] Litigation Case [Domain] Litigation Case [Domain] Accumulated other comprehensive loss Accumulated Other Comprehensive Income (Loss), Net of Tax Minimum lease payments receivable Total undiscounted cash flows Sales-Type and Direct Financing Leases, Payment to be Received Pension Adjustments Service Cost Pension Adjustments Service Cost [Member] Related Party [Axis] Related and Nonrelated Parties [Axis] Derivative Fair Value of Derivative Liabilities Gross Amounts not Offset [Abstract] Derivative Fair Value of Derivative Liabilities Gross Amounts not Offset [Abstract] Basic (in shares) Weighted-average shares used to compute basic net EPS (in shares) Weighted Average Number of Shares Outstanding, Basic Stock Price or TSR Estimation Method Stock Price or TSR Estimation Method [Text Block] Balance at beginning of period Balance at end of period Receivables Sold but Not Collected from Third Party Represents the amount of receivables sold to the third party, but not collected by the third party from customer under revolving financing receivables arrangements. Russia and Belarus Russia and Belarus [Member] Russia and Belarus Proceeds from sale of property, plant and equipment Proceeds from Sale of Productive Assets Document Information [Table] Document Information [Table] Total stockholders' equity Balance Balance Equity, Including Portion Attributable to Noncontrolling Interest Target Allocation Defined Benefit Plan, Plan Assets, Target Allocation, Percentage Significant components of deferred tax assets and deferred tax liabilities Components of Deferred Tax Assets and Liabilities [Abstract] Name Awards Close in Time to MNPI Disclosures, Individual Name Net Revenue Revenue Benchmark [Member] Notes payable and short-term borrowings, net of unamortized debt issuance costs Variable Interest Entity, Consolidated, Liabilities, Notes Payable and Short-term Debt, Net Variable Interest Entity, Consolidated, Liabilities, Notes Payable and Short-term Debt, Net Number of acquisitions Number of Businesses Acquired Entity Filer Category Entity Filer Category Other Accrued Liabilities Other Current Liabilities [Table Text Block] Unsatisfied performance obligations Revenue, Remaining Performance Obligation, Amount Lessor Operating Lease Payments Maturity Lessor, Operating Lease, Payment to be Received, Maturity [Table Text Block] Litigation and Contingencies Loss Contingencies [Line Items] Accrued restructuring Restructuring Reserve, Current Corporate Investments and Other Corporate Segment and Other Operating Segment [Member] Goodwill from acquisitions Goodwill, Acquired During Period U.S. foreign tax credits Tax Credit Carryforward, Valuation Allowance, Foreign Tax Credit Carryforward, Valuation Allowance, Foreign Statistical Measurement [Domain] Statistical Measurement [Domain] Operating Lease Cost Lease, Cost [Table Text Block] Derivatives, Fair Value Derivatives, Fair Value [Line Items] Defined Contribution Plan, Tax Status [Extensible Enumeration] Defined Contribution Plan, Tax Status [Extensible Enumeration] Summary of the Aging and Non-accrual Status of Gross Financing Receivables Financing Receivable, Past Due [Table Text Block] Current portion of capitalized costs Capitalized Contract Cost, Net, Current Internal Credit Assessment [Axis] Internal Credit Assessment [Axis] Other accrued liabilities Total Other Liabilities, Current Unrecognized tax benefits that would affect effective tax rate if realized Unrecognized Tax Benefits that Would Impact Effective Tax Rate Segment Reporting Information Segment Reporting Information [Line Items] Schedule of current and long-term deferred tax assets and liabilities Schedule of Classification of Deferred Tax Assets and Liabilities [Table Text Block] Tabular disclosure of classification of deferred tax assets and liabilities. Preferred stock dividends Plus: 7.625% Series C mandatory convertible preferred stock dividends Convertible Preferred Dividends, Net of Tax All Trading Arrangements All Trading Arrangements [Member] Gross Amount Recognized Derivative Asset, Fair Value, Gross Asset Including Not Subject to Master Netting Arrangement Finance Leases Leases, Financing [Abstract] Leases, Financing Compensation Actually Paid vs. Net Income Compensation Actually Paid vs. Net Income [Text Block] Basic and diluted net Earnings Per Share calculations Schedule of Earnings Per Share, Basic and Diluted [Table Text Block] Variable Interest Entity, Primary Beneficiary Variable Interest Entity, Primary Beneficiary [Member] Vesting period Share-Based Compensation Arrangement by Share-Based Payment Award, Award Vesting Period Senior Unsecured Delayed Draw Term Loan Issued September 2024 Senior Unsecured Delayed Draw Term Loan Issued September 2024 [Member] Senior Unsecured Delayed Draw Term Loan Issued September 2024 Rule 10b5-1 Arrangement Adopted Rule 10b5-1 Arrangement Adopted [Flag] Awards Close in Time to MNPI Disclosures Awards Close in Time to MNPI Disclosures [Table] Income taxes paid, net of refunds Income Taxes Paid, Net Accumulated depreciation Property, Plant, and Equipment, Lessor Asset under Operating Lease, Accumulated Depreciation Less: current portion Notes Receivable Net, Current Notes Receivable Net, Current Insurance Group Annuity Contracts Insurance Group Annuities Insurance Group Annuity Contracts [Member] Contract providing a monthly income benefit to members of a group of employees. Other Commitments [Line Items] Other Commitments [Line Items] Goodwill adjustments Goodwill, Measurement Period Adjustment Schedule of stock based compensation expense and the resulting tax benefits Share-Based Payment Arrangement, Cost by Plan [Table Text Block] Investments in equity interests Equity Method Investments Pay vs Performance Disclosure [Line Items] Current fiscal year Financing Receivable, Year One, Originated, Current Fiscal Year Provision for credit losses Allowance For Doubtful Accounts Receivable, Addition Of Bad Debt Provision Allowance For Doubtful Accounts Receivable, Addition Of Bad Debt Provision Peer Group Total Shareholder Return Amount Peer Group Total Shareholder Return Amount Alternative investments at NAV Alternatives At NAV [Member] Alternatives At NAV [Member] Put share purchase agreement Equity Method Investment, Put Share Purchase Agreement, Total Consideration Equity Method Investment, Put Share Purchase Agreement, Total Consideration Revenue, Remaining Performance Obligation, Expected Timing of Satisfaction, Start Date [Axis] Revenue, Remaining Performance Obligation, Expected Timing of Satisfaction, Start Date [Axis] Business days prior to respective reporting date Derivative, Number Of Business Days Prior to Reporting Date Derivative, Number Of Business Days Prior to Reporting Date Restructuring Costs Associated with Exit or Disposal Activities or Restructurings, Policy [Policy Text Block] Likelihood of conclusion period for certain federal, foreign and state tax issues Income Tax Examination Likelihood of Conclusion Federal Foreign and State Tax Issues Period The period of likelihood that the certain tax position pertaining to federal, foreign and state tax issues will be concluded. Gross Notional and Fair Value of Derivative Instruments in the Combined and Consolidated Balance Sheets Schedule of Derivative Instruments in Statement of Financial Position, Fair Value [Table Text Block] Restructuring and Related Activities [Abstract] Restructuring and Related Activities [Abstract] Interest crediting rate Defined Benefit Plan, Assumptions Used Calculating Benefit Obligation, Weighted-Average Interest Crediting Rate Stock-based compensation expense, net of tax Share-Based Payment Arrangement, Expense, after Tax Share-Based Payment Arrangement, Expense, after Tax Other assets and liabilities Increase (Decrease) in Other Operating Assets and Liabilities, Net Gains on real estate sales Gain (Loss) on Disposition of Real Estate, Discontinued Operations Proceeds from issuance of 7.625% Series C mandatory convertible preferred stock, net of issuance costs Proceeds from Issuance of Preferred Stock and Preference Stock Other Performance Measure, Amount Other Performance Measure, Amount 2027 Finite-Lived Intangible Asset, Expected Amortization, Year Three Expected increase in compensation levels Defined Benefit Plan, Assumptions Used Calculating Net

Periodic Benefit Cost, Rate of Compensation Increase Litigation, Contingencies, and Commitments Legal Matters and Contingencies [Text Block] Goodwill Goodwill [Line Items] Accounting for Leases as a Lessee Lessee, Operating Leases [Text Block] Common stock, outstanding (in shares) Balance (in shares) Balance (in shares) Common Stock, Shares, Outstanding Change in unrealized gains (losses) on available-for-sale securities OCI, Debt Securities, Available-for-Sale, Gain (Loss), after Adjustment, before Tax Documents Incorporated by Reference Documents Incorporated by Reference [Text Block] Weighted-average interest rate Short-Term Debt, Weighted Average Interest Rate, at Point in Time Operating lease cost Operating Lease, Cost Carrying value, short- and long-term debt Debt and Lease Obligation Operating lease liabilities Operating lease liabilities â€¢ non-current Operating Lease, Liability, Noncurrent Benefits paid Defined Benefit Plan, Benefit Obligation, Benefits Paid Audit Information [Abstract] Audit Information Cash Flow Hedges: Cash Flow Hedging [Member] Investments, All Other Investments [Abstract] Investments, All Other Investments [Abstract] Schedule of weighted-average assumptions used to calculate the projected benefit obligations Schedule of Assumptions Used to Calculate Benefit Obligation [Table Text Block] Tabular disclosure of weighted average assumptions used in calculation of the benefit obligation. For defined benefit pension plans, the benefit obligation is the projected benefit obligation, which is the actuarial present value as of a date of all benefits attributed by the pension benefit formula to employee service rendered prior to that date. For other postretirement defined benefit plans, the benefit obligation is the accumulated postretirement benefit obligation, which is the actuarial present value of benefits attributed to employee service rendered to a particular date. Deferred revenue Contract with Customer, Liability, Current Service cost Defined Benefit Plan, Service Cost Liquidation preference (in USD per share) Preferred Stock, Liquidation Preference Per Share Entity Tax Identification Number Entity Tax Identification Number Equity method investment, other than temporary impairment Equity Method Investment, Other-than-Temporary Impairment Equity-related investments Defined Benefit Plan, Equity Securities [Member] Schedule of long-term debt Schedule of Long-Term Debt Instruments [Table Text Block] Secured debt Secured Debt For prior years' tax positions Unrecognized Tax Benefits, Increase Resulting from Prior Period Tax Positions Gross Amount Offset Derivative Liability, Subject to Master Netting Arrangement, Collateral, Right to Reclaim Cash Offset Taxes on earnings Taxes on Earnings Carrying amount as of the balance sheet date of the unpaid sum of the known and estimated amounts payable to satisfy all currently due domestic and foreign income tax obligations, plus accrued interest and penalties pertaining to amounts of tax uncertainties plus amount of deferred tax liability attributable to taxable temporary differences, net of deferred tax asset attributable to deductible temporary differences and carryforwards net of valuation allowances expected to be realized or consumed within one year or operating cycle, if longer. Deferred Deferred Foreign Income Tax Expense (Benefit) Retirement Plan Type [Axis] Retirement Plan Type [Axis] Money market funds Money Market Funds [Member] Selling, general and administrative Selling, General and Administrative Expenses [Member] Expected increase in compensation levels Defined Benefit Plan, Assumptions Used Calculating Benefit Obligation, Rate of Compensation Increase Intersegment net revenue Elimination of intersegment net revenue Intersegment Eliminations [Member] Plan Name [Axis] Plan Name [Axis] Thereafter Finance Lease, Liability, to be Paid, after Year Five Available Upon Closing Of Juniper Acquisition Available Upon Closing Of Juniper Acquisition [Member] Available Upon Closing Of Juniper Acquisition Equity Components [Axis] Equity Components [Axis] Total future lease payments Finance Lease, Liability, to be Paid Other current assets Net indemnification receivable - long-term Other Assets, Current Debt Securities, Available-for-Sale, Total Debt Securities, Available-for-Sale Schedule of Acquired Finite and Indefinite Lived Intangible Assets by Major Class [Table] Schedule of Acquired Finite and Indefinite Lived Intangible Assets by Major Class [Table] A schedule of the finite-lived and indefinite-lived intangible assets acquired by the entity. Pension and Other Postretirement Plans Pension and Other Postretirement Plans, Pensions, Policy [Policy Text Block] Amortization period Capitalized Contract Cost, Amortization Period Gross Amount Offset Derivative Asset, Subject to Master Netting Arrangement, Collateral, Obligation to Return Cash, Offset Against Derivative Asset Financing receivable term, low end of range Financing Receivable Term Range, Minimum The low end of the range of the term of financing receivables. Total costs and expenses Costs and expenses Costs and Expenses Business Acquisition, Acquiree [Domain] Business Acquisition, Acquiree [Domain] Leased Equipment Operating Lease, Right-of-Use Asset [Member] Operating Lease, Right-of-Use Asset Defined Benefit Plan, Accumulated Other Comprehensive Income (Loss), Gain (Loss), before Tax Defined Benefit Plan, Accumulated Other Comprehensive Income (Loss), Gain (Loss), before Tax Supplier Finance Program, Obligation, Statement of Financial Position [Extensible Enumeration] Q3 Networking Litigation Q3 Networking Litigation [Member] Q3 Networking Litigation Financing Receivable, Credit Quality Indicator [Line Items] Financing Receivable, Credit Quality Indicator [Line Items] Geographical [Axis] Geographical [Axis] Restructuring and Related Costs Restructuring and Related Costs [Table Text Block] Deferred tax assets net of deferred tax liabilities Deferred Tax Assets, Net 2029 Lessee, Operating Lease, Liability, to be Paid, Year Five Gain on disposition of business Gain (Loss) on Disposition of Business Decrease in valuation allowances Valuation Allowance, Deferred Tax Asset, Increase (Decrease), Amount Change in unrealized (losses) gains on cash flow hedges Other Comprehensive Income (Loss), Cash Flow Hedge, Gain (Loss), after Reclassification, before Tax Non-cash items Restructuring Reserve, Accrual Adjustment Change in cumulative translation adjustment Other Comprehensive Income (Loss), Foreign Currency Transaction and Translation Adjustment, before Tax, Portion Attributable to Parent Europe, Middle East and Africa EMEA [Member] Number of new reportable segments Number Of New Reportable Segments Number Of New Reportable Segments Weighted Average Weighted Average [Member] Repurchases of common stock Stock Repurchased During Period, Value Aggregate Grant Date Fair Value of Equity Award Amounts Reported in Summary Compensation Table Aggregate Grant Date Fair Value of Equity Award Amounts Reported in Summary Compensation Table [Member] Taxes on earnings Accrued Income Taxes, Noncurrent Prior service benefit Defined Benefit Plan, Accumulated Other Comprehensive (Income) Loss, Prior Service Cost (Credit), before Tax Cash payments Payments for Restructuring Write-offs Financing Receivable, Allowance for Credit Loss, Writeoff Shipping and Handling Cost of Goods and Service [Policy Text Block] Cash, cash equivalents and restricted cash at beginning of period Cash, cash equivalents and restricted cash at end of period Total Cash, Cash Equivalents, Restricted Cash, and Restricted Cash Equivalents Current portion of long-term debt, weighted average interest rate (as a percent) Weighted average interest rate (as a percent) Debt, Weighted Average Interest Rate Unrecognized pre-tax stock-based compensation expense Share-Based Payment Arrangement, Nonvested Award, Cost Not yet Recognized, Amount Current Current Foreign Tax Expense (Benefit) Net unrealized gains (losses) arising during the period Other Comprehensive Income (Loss), Defined Benefit Plan, Gain (Loss) Arising During Period, before Tax Current Assets: Assets, Current [Abstract] Operating Leases Operating Lease, Assets And Liabilities, Lessee [Abstract] Operating Lease, Assets And Liabilities, Lessee Impairment on real estate assets Impairment of Real Estate Consolidation Items [Axis] Consolidation Items [Axis] 2026 Sales-Type and Direct Financing Leases, Payment to be Received, Year Two Forgone Recovery due to Disqualification of Tax Benefits, Amount Forgone Recovery due to Disqualification of Tax Benefits, Amount Recorded Unconditional Purchase Obligation, to be Paid, Year Two Recorded Unconditional Purchase Obligation, to be Paid, Year Two Product and Service [Domain] Product and Service [Domain] Pre-Tax Effect of Derivative Instruments in Net Investment Hedging Relationships Schedule of Net Investment Hedges in Accumulated Other Comprehensive Income (Loss) [Table Text Block] Goodwill Goodwill [Roll Forward] Vested (in dollars per share) Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Vested in Period, Weighted Average Grant Date Fair Value Fair Value Disclosures [Abstract] Fair Value Disclosures [Abstract] Relating to assets held at the reporting date Defined Benefit Plan, Plan Assets Level 3 Reconciliation, Increase (Decrease) for Actual Return (Loss) on Plan Assets Still Held Decreases: Unrecognized Tax Benefits Period Decrease [Abstract] Non-U.S. taxes: Foreign Income Tax Expense (Benefit), Continuing Operations [Abstract] Preferred stock, shares outstanding (in shares) Beginning balance (in shares) Ending balance (in shares) Preferred Stock, Shares Outstanding Net Revenue by Geographical Areas Schedule of Revenue from External Customers Attributed to Foreign Countries by Geographic Area [Table Text Block] Security Exchange Name Security Exchange Name Net unrealized gains (losses) arising during the period OCI, Debt Securities, Available-for-Sale, Unrealized Holding Gain (Loss), before Adjustment and Tax Related Party Transaction [Domain] Related Party Transaction [Domain] Financing Receivable, Credit Quality Indicator [Table] Financing Receivable, Credit Quality Indicator [Table] Net Property, Plant and Equipment by Geographical Areas Schedule of Disclosure on Geographic Areas, Long-Lived Assets in Individual Foreign Countries by Country [Table Text Block] Prepaid pension Deferred Costs, Noncurrent Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Nonvested, Number of Shares [Roll Forward] Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Nonvested, Number of Shares [Roll Forward] Current Current State and Local Tax Expense (Benefit) Basis difference Equity Method Investment, Difference Between Carrying Amount and Underlying Equity Offering period Share-based Compensation Arrangement by Share-based Payment Award, Award Offering Period Period of offering price, in "PnYmNdTnHnMnS" format, for example, "P1Y5M13D" represents the reported fact of one year, five months, and thirteen days. Total notes payable and short-term borrowings Amount outstanding Short-Term Debt Equipment leased to customers Property, Plant, and Equipment, Lessor Asset under Operating Lease, before Accumulated Depreciation Depreciation Equities at NAV Equities At NAV [Member] Equities At NAV [Member] Other Other Assets, Miscellaneous, Noncurrent Forgone Recovery, Explanation of Impracticability Forgone Recovery, Explanation of Impracticability [Text Block] Research and development Research and Development Expense Investment, Type [Extensible Enumeration] Investment, Type [Extensible Enumeration] Goodwill and Intangible Assets Disclosure [Abstract] Goodwill and Intangible Assets Disclosure [Abstract] Benefit for Taxes Other Comprehensive Income (Loss), Tax, Portion Attributable to Parent Common stock, issued (in shares) Common Stock, Shares, Issued 2021 Stock Incentive Plan Hewlett Packard Enterprise Company 2021 Stock Incentive Plan [Member] Hewlett Packard Enterprise Company 2021 Stock Incentive Plan Retirement Plan Name [Domain] Retirement Plan Name [Domain] Taxes on earnings Increase (Decrease) in Income Taxes Payable Entity [Domain] Entity [Domain] Maximum borrowing capacity under credit facility Line of Credit Facility, Maximum Borrowing Capacity \$1,750 issued at discount to par at a price of 99.894% in September 2024 at 4.55%, due October 15, 2029, interest payable semi-annually on April 15 and October 15 of each year Senior Notes 2024, Issued At Discount To Par, Due October 2029 [Member] Senior Notes 2024, Issued At Discount To Par, Due October 2029 Concentration of credit risk (as a percent) Concentration Risk, Percentage Financing receivables, gross Total gross financing receivables Financing Receivable, before Allowance for Credit Loss U.S. foreign tax credits Deferred Tax Assets, Tax Credit Carryforwards, Foreign Net Amount Presented Derivative Liability Total customer deposits Contract With Customer, Liability, Customer Deposits Contract With Customer, Liability, Customer Deposits Insider Trading Policies and Procedures Adopted Insider Trading Policies and Procedures Adopted [Flag] Accumulated depreciation Accumulated Depreciation, Depletion and Amortization, Property, Plant, and Equipment Schedule of direct defined benefit plans with projected benefit obligations exceeding the fair value of plan assets Defined Benefit Plan, Plan with Projected Benefit Obligation in Excess of Plan Assets [Table Text Block] Relating to assets sold during the period Defined Benefit Plan, Plan Assets Level 3 Reconciliation, Increase (Decrease) for Actual Return (Loss) on Plan Assets Sold Litigation Matters and Other Contingencies Litigation Matters and Other Contingencies [Member] Litigation Matters and Other Contingencies Valuation Allowance by Deferred Tax Asset [Axis] Valuation Allowance by Deferred Tax Asset [Axis] Impairment of goodwill Goodwill and Intangible Asset Impairment Common stock, authorized (in shares) Common Stock, Shares Authorized Carrying Amount of the Hedged Assets/ (Liabilities) Derivative Assets (Liabilities), at Fair Value, Net Payments made in connection with business acquisitions, net of cash acquired Payments to Acquire Businesses, Net of Cash Acquired Cash Equivalents and Available-for-Sale Investments Schedule of Cash Equivalents and Available For Sale Investments Reconciliation [Table Text Block] Tabular disclosure of the reconciliation of cash equivalents and available-for-sale securities from cost basis to fair value. Intangible assets Deferred Tax Assets, Goodwill and Intangible Assets Bid and contract term Bid And Contract Term Bid And Contract Term \$750 issued at discount to par at a price of 99.942% in October 2015 at 6.20%, due October 15, 2035, interest payable semi-annually on April 15 and October 15 of each year Senior Notes 2015, Issued At Discount To Par, Due October 2035 [Member] Senior notes issued at discount to par, due in October 2035. Restructuring charges Restructuring Costs Settlement Defined Benefit Plan, Plan Assets, Payment for Settlement Long-term Debt, Type [Axis] Long-Term Debt, Type [Axis] Entity Voluntary Filers Entity Voluntary Filers Special termination benefits Defined Benefit Plan, Benefit Obligation, Special and Contractual Termination Benefits Cash and Cash Equivalents [Line Items] Cash and Cash Equivalents [Line Items] Actuarial loss (gain) Defined Benefit Plan, Amortization of Gain (Loss) Hedging Designation [Domain] Hedging Designation [Domain] Statement of Financial Position Location, Balance [Axis] Statement of Financial Position Location, Balance [Axis] Deferred taxes on earnings Deferred Income Tax Expense (Benefit) Other Comprehensive Income (Loss), Cash Flow Hedge, Gain (Loss), Reclassification, before Tax Other Comprehensive Income (Loss), Cash Flow Hedge, Gain (Loss), Reclassification, before Tax Discount rate Defined Benefit Plan, Assumptions Used Calculating Benefit Obligation, Discount Rate Receivables Sold but Not Collected from Third Party Roll Forward Receivables Sold but Not Collected from Third Party [Roll Forward] Receivables Sold but Not Collected from Third Party Financing receivables Financing Receivable, Excluding Accrued Interest, after Allowance for Credit Loss [Abstract] Juniper Networks, Inc Juniper Networks, Inc [Member] Juniper Networks, Inc Notes payable and short-term borrowings Debt, Current Other Comprehensive Income (Loss), Net of Taxes Other Comprehensive Income (Loss), Net of Tax, Portion Attributable to Parent Fair Value, Measurements, Recurring Fair Value, Recurring [Member] Income Tax Contingency [Line Items] Income Tax Contingency [Line Items] Conversion On September 1, 2027 Conversion On September 1, 2027 [Member] Conversion On September 1, 2027 Accounts receivable, net of allowances Total Accounts Receivable, after Allowance for Credit Loss, Current Stock Conversion Description [Axis] Stock Conversion Description [Axis] Schedule of Debt Instruments [Table] Schedule of Debt Instruments [Table] A table or schedule providing information pertaining to short-term and long-term debt instruments or arrangements, including identification, terms, features, collateral requirements and other information necessary to a fair presentation. Assets held for sale Asset, Held-for-Sale, Not Part of Disposal Group, Current Total Long-Term Debt Pension Adjustments Prior Service Cost Pension Adjustments Prior Service Cost [Member] Fair value of plan assets Fair value - beginning of year Fair valueâ€¢end of year Defined Benefit Plan, Plan Assets, Amount Current offering period Share-based Compensation Arrangement by Share-based Payment Award, Award Current Offering Period Current offering period, in "PnYmNdTnHnMnS" format, for example, "P1Y5M13D" represents the reported fact of one year, five months, and thirteen days. Thereafter Long-Term Debt, Maturity, after Year Five Accounts receivable Accounts Receivable, before Allowance for Credit Loss, Current Percent of equal 401(k) match to employees effective during the period Defined Contribution Plan, Employer Matching Contribution, Percent of Match Basis for Expected Long-Term Rate of Return on Plan Assets Basis for Expected Long-Term Rate of Return on Plan Assets [Policy Text Block] Disclosure of accounting policy for the basis for expected long-term rate of return on plan assets. \$612 issued in September 2023, in six tranches at a weighted average price of 99.99% and a weighted average interest rate of 6.40%, payable monthly from October 2023 with a stated final maturity of July 2031 Asset-Backed Securities Issued September 2023 [Member] Asset-Backed Securities Issued September 2023 HPE Next and Cost Optimization and Prioritization Plan HPE Next and Cost Optimization and Prioritization Plan [Member] HPE Next and Cost Optimization and Prioritization Plan Commercial paper Commercial Paper [Member] Pension Benefits Adjustments, Footnote Pension Benefits Adjustments, Footnote [Text Block] Total Shareholder Return Vs Peer Group Total Shareholder Return Vs Peer Group [Text Block] Document Annual Report Document Annual Report 2027 Finance Lease, Liability, to be Paid, Year Three Share Repurchase Program Share Repurchase Program [Member] Represents the Company's share repurchase program. Gain on sale of equity interest Gain on sale of equity interest Equity Method Investment, Realized Gain (Loss) on Disposal Vested (in shares) Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Vested in Period Acquisitions in 2023 Acquisitions in 2023 [Member] Acquisitions in 2023 Equity Attributable to the Company Parent [Member] Conversion Before September 1, 2027 Conversion Before September 1, 2027 [Member] Conversion Before September 1, 2027 Amortization of intangible assets Amortization of intangible assets Amortization of Intangible Assets Recorded Unconditional Purchase Obligation, to be Paid, Year Four Recorded Unconditional Purchase Obligation, to be Paid, Year Four Total deferred revenue Contract with Customer, Liability Payments of financing costs Payments of Financing Costs Other countries Non-US [Member] Convertible Preferred Stock Convertible Preferred Stock [Member] Liabilities held by VIE: Liabilities [Abstract] Accounting Policies [Abstract] Accounting Policies [Abstract] Net Revenue: Revenues [Abstract] Discount on debt issuance Debt Instrument, Unamortized Discount Contingencies Commitments and Contingencies, Policy [Policy Text Block] Adjustments related to pre-existing warranties Standard and Extended Product Warranty Accrual, Increase (Decrease) for Preexisting Warranties Fair Value Fair Value Measurement, Policy [Policy Text Block] Acquisitions and Dispositions Business Combination Disclosure [Text Block] Current Fiscal Year End Date Current Fiscal Year End Date Adjustment to the existing allowance Financing Receivable, Change in Method, Credit Loss Expense (Reversal) Less: imputed interest Less: imputed interest Lease, Liability, Undiscounted Excess Amount PEO Name PEO Name Hewlett Packard Enterprise Hewlett Packard Enterprise [Member] Hewlett Packard Enterprise [Member] Guarantees [Abstract] Guarantees [Abstract] Award Type [Domain] Award Type [Domain] 2025 Lessor, Operating Lease, Payment to be Received, Year One Issuance of common stock in connection with employee stock plans and other (in shares) Shares Issued, Shares, Share-Based Payment Arrangement, after Forfeiture Compensation Actually Paid vs. Company Selected Measure Compensation Actually Paid vs. Company Selected Measure [Text Block] Past due 61-90A days Financial Asset, 61 to 90 Days Past Due [Member] Financial Asset, 61 to 90 Days Past Due Deferred tax assets Deferred Income Tax Assets, Net Non-current liabilities Liability, Defined Benefit Plan, Noncurrent Non-PEO NEO Non-PEO NEO [Member] \$1,000 issued at discount to par

at a price of 99.883% in July 2020 at 1.45%, due April 1, 2024, interest payable semi-annually on April 1 and October 1 of each year Senior Notes 2020, Issued At Discount To Par, Due April 2024 [Member] Senior Notes 2020, Issued At Discount To Par, Due April 2024 Estimated useful life for finite-lived intangible assets Finite-Lived Intangible Asset, Useful Life Net tangible assets assumed Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Assets Accounting for Leases as a Lessor Lessor, Operating, Sales-type And Direct Financing Leases And Financing Receivables [Text Block] Lessor, Operating, Sales-type And Direct Financing Leases And Financing Receivables Additional Paid-in Capital Additional Paid-in Capital [Member] Hedging Relationship [Axis] Hedging Relationship [Axis] Finance lease liabilities æ€ non-current Finance Lease, Liability, Noncurrent Accounts Receivable, Net Schedule of Accounts, Notes, Loans and Financing Receivable [Table Text Block] H3C H3 C [Member] Represents the entity H3C which comprises of H3C Technologies and HP's China-Based Server, Storage and Technology Services. Retirement and Post-Retirement Benefit Plans Retirement Benefits [Text Block] Notes payable and short-term borrowings Debt, Current [Member] Debt, Current Recorded Unconditional Purchase Obligation, to be Paid, Year Five Recorded Unconditional Purchase Obligation, to be Paid, Year Five Notes Payable and Short-Term Borrowings Short-Term Debt [Line Items] Recently Enacted Accounting Pronouncements New Accounting Pronouncements, Policy [Policy Text Block] Warranties Standard Product Warranty, Policy [Policy Text Block] Change in Unrealized Components of Defined Benefit Plans: Other Comprehensive (Income) Loss, Defined Benefit Plan, after Reclassification Adjustment, before Tax [Abstract] Class of Stock [Axis] Class of Stock [Axis] Finite-Lived Intangible Assets by Major Class [Axis] Finite-Lived Intangible Assets by Major Class [Axis] Amortizable intangible assets, accumulated amortization Finite-Lived Intangible Assets, Accumulated Amortization 2028 Finance Lease, Liability, to be Paid, Year Four Name Measure Name Entity Interactive Data Current Entity Interactive Data Current Type of Restructuring [Domain] Type of Restructuring [Domain] Operating Activities [Axis] Operating Activities [Axis] Deferred tax assets: Components of Deferred Tax Assets [Abstract] Assets and Liabilities Measured at Fair Value on a Recurring Basis Schedule of Fair Value, Assets and Liabilities Measured on Recurring Basis [Table Text Block] Schedule of fair value of direct plan non-U.S. defined benefit plan assets by asset category within the fair value hierarchy Schedule of Fair Value of Plan Assets by Measurement Levels [Table Text Block] Tabular disclosure of the fair value of defined benefit plan assets by the level within the fair value hierarchy in which the fair value measurements fall, segregating fair value measurements using quoted prices in active markets for identical assets or liabilities (Level 1), Significant other observable inputs (Level 2), and significant unobservable inputs (Level 3). Fixed Income at NAV Fixed Income at NAV [Member] Fixed Income at NAV [Member] Employee Severance Employee Severance [Member] Past due 31-60Å days Financial Asset, 31 to 60 Days Past Due [Member] Financial Asset, 31 to 60 Days Past Due Transformation Programs Restructuring and Related Activities Disclosure [Text Block] Stock-based compensation expense Share-Based Payment Arrangement, Noncash Expense Gross Amount Recognized Derivative Liability, Fair Value, Gross Liability Including Not Subject to Master Netting Arrangement Total deferred tax assets net of valuation allowance Deferred Tax Assets, Net of Valuation Allowance Disposition of asset Effective Income Tax Rate Reconciliation, Disposition of Asset, Amount Unrealized components of defined benefit plans Accumulated Defined Benefit Plans Adjustment Attributable to Parent [Member] Settlements related to joint and several positions indemnified by HP Inc. Unrecognized Tax Benefits, Decrease Resulting from Settlements Related to Positions with Former Parent Unrecognized Tax Benefits, Decrease Resulting from Settlements Related to Positions with Former Parent Change in Cumulative Translation Adjustment: Other Comprehensive Income (Loss), Foreign Currency Transaction and Translation Adjustment, before Tax [Abstract] Interest rate Debt Instrument, Interest Rate, Stated Percentage Accounts Receivable, Allowance for Credit Loss Accounts Receivable, Allowance for Credit Loss [Roll Forward] Supplemental Cash Flow Disclosures: Supplemental Cash Flow Information [Abstract] Lessor Accounting Lessor, Leases [Policy Text Block] Net earnings attributable to HPE Net earnings - Diluted Net Income (Loss) Available to Common Stockholders, Diluted Discount to par (as a percent) Debt Instrument, Discount Rate at Issuance The discount to par at which a debt instrument was issued. Settlements with taxing authorities Unrecognized Tax Benefits, Decrease Resulting from Settlements with Taxing Authorities Effect of Derivative Instruments on the Statement of Earnings Derivative Instruments, Gain (Loss) [Table Text Block] Capitalized R&D Deferred Tax Asset, In-Process Research and Development Services Service [Member] Preferred stock dividend rate (as a percentage) Preferred Stock, Dividend Rate, Percentage Concentration Risk Benchmark [Domain] Concentration Risk Benchmark [Domain] Other, including capital lease obligations, at 1.1%-9.0%, due in calendar years 2021-2030 Other Long-Term Debt Auditor Firm ID Auditor Firm ID Effective tax rate (as a percent) Effective Income Tax Rate Reconciliation, Percent Credit Risk Profile of Gross Financing Receivables Financing Receivable Credit Quality Indicators [Table Text Block] Cash settlement for derivative hedging debt Payments for Hedge, Financing Activities Earnings from operations Segment earnings (loss) from operations Total segment earnings from operations Operating Income (Loss) 2028 Sales-Type and Direct Financing Leases, Payment to be Received, Year Four Aggregate projected benefit obligation Defined Benefit Plan, Pension Plan with Projected Benefit Obligation in Excess of Plan Assets, Projected Benefit Obligation Number of reportable segments Number of Reportable Segments Total liabilities and stockholders' equity Liabilities and Equity Rule 10b5-1 Arrangement Terminated Rule 10b5-1 Arrangement Terminated [Flag] Fair Value Hierarchy and NAV [Axis] Fair Value Hierarchy and NAV [Axis] Long-term debt, net of unamortized debt issuance costs Variable Interest Entity, Consolidated, Liabilities, Long-term Debt, Net Variable Interest Entity, Consolidated, Liabilities, Long-term Debt, Net Debt Securities Investments Marketable Securities, Policy [Policy Text Block] Hedging Designation [Axis] Hedging Designation [Axis] Non-U.S. Defined Benefit Plan, Equity Securities, Non-US [Member] Server Server Segment [Member] Server Segment 2026 Finance Lease, Liability, to be Paid, Year Two Earnings Per Share, Basic, by Common Class, Including Two-Class Method [Table] Earnings Per Share, Basic, by Common Class, Including Two-Class Method [Table] Interest income Investment Income, Interest Less: current portion Long-Term Debt and Lease Obligation, Current Finite-Lived Intangible Assets, Major Class Name [Domain] Finite-Lived Intangible Assets, Major Class Name [Domain] Schedule of aggregate future maturities of long-term debt at face value Schedule of Maturities of Long-Term Debt [Table Text Block] Overview and Summary of Significant Accounting Policies Organization, Consolidation, Basis of Presentation, Business Description and Accounting Policies [Text Block] ROU assets obtained in exchange for new operating lease liabilities Right-of-Use Asset Obtained in Exchange for Operating Lease Liability Underlying Security Market Price Change Underlying Security Market Price Change, Percent Expected return on plan assets Defined Benefit Plan, Expected Return (Loss) on Plan Assets Measurement Input Type [Axis] Measurement Input Type [Axis] Individual: Individual [Axis] Total cash equivalents and available-for sale investments, cost basis Cash Equivalents and Available For Sale Securities, Cost Basis Cash Equivalents and Available For Sale Securities, Cost Basis Asia Pacific and Japan Asia Pacific and Japan [Member] Asia Pacific and Japan [Member] Buildings and improvements Building and Building Improvements [Member] Tax withholding related to vesting of employee stock plans Share-Based Payment Arrangement, Decrease for Tax Withholding Obligation Accumulated Other Comprehensive Loss AOCI Attributable to Parent [Member] HPC & AI & Software & Corporate Investments HPC & AI & Software & Corporate Investments [Member] HPC & AI & Software & Corporate Investments Inventory Total Inventory, Net Tax charges, foreign and domestic Effective Income Tax Rate Reconciliation, Tax Charges, Foreign And Domestic, Amount Effective Income Tax Rate Reconciliation, Tax Charges, Foreign And Domestic, Amount Liabilities held for sale Disposal Group, Including Discontinued Operation, Liabilities Product and Service [Axis] Product and Service [Axis] Property, Plant and Equipment, Net Property, Plant and Equipment [Line Items] Statement [Line Items] Statement [Line Items] Number of former HP India employees alleging underpaid customs Number of Former Subsidiary Employees Related to Alleged Underpaid Customs Duties Proceedings Number of Former Subsidiary Employees Related to Alleged Underpaid Customs Duties Proceedings Measurement Input Type [Domain] Measurement Input Type [Domain] Long-term Variable Interest Entity, Consolidated, Assets, Finance Receivables, Noncurrent Variable Interest Entity, Consolidated, Assets, Finance Receivables, Noncurrent Income tax benefits, foreign tax audit matters Income Tax Expense (Benefit), Foreign Tax Audit Matters Income Tax Expense (Benefit), Foreign Tax Audit Matters Reconciliation of Segment Operating Results Reconciliation of Operating Profit (Loss) from Segments to Consolidated [Table Text Block] Recorded Unconditional Purchase Obligation, to be Paid, Year One Recorded Unconditional Purchase Obligation, to be Paid, Year One Benefits paid Defined Benefit Plan, Plan Assets, Benefits Paid Property, Plant and Equipment Property, Plant and Equipment [Table Text Block] Compensation Actually Paid vs. Total Shareholder Return Compensation Actually Paid vs. Total Shareholder Return [Text Block] Sublease rental income Sublease Income Purchase price consideration Business Combination, Consideration Transferred Less: Accumulated depreciation Finance Lease, Right-Of-Use Asset, Accumulated Depreciation Finance Lease, Right-Of-Use Asset, Accumulated Depreciation Derivatives Derivatives, Policy [Policy Text Block] Accounts Receivable Credit Loss, Financial Instrument [Policy Text Block] Minimum Minimum [Member] Unamortized debt issuance costs Unamortized Debt Issuance Expense Allowance for credit losses Financing receivable, allowance for credit loss, beginning balance Financing receivable, allowance for credit loss, ending balance Financing Receivable, Allowance for Credit Loss Adoption Date Trading Arrangement Adoption Date Deferred revenue Deferred revenue - non-current Contract with Customer, Liability, Noncurrent United Kingdom UNITED KINGDOM Revenues [Member] Revenues [Member] Revenues Capitalized computer software, additions Capitalized Computer Software, Additions Variable Interest Entity [Line Items] Variable Interest Entity [Line Items] Schedule of direct defined benefit plans with accumulated benefit obligations exceeding the fair value of plan assets Defined Benefit Plan, Plan with Accumulated Benefit Obligation in Excess of Plan Assets [Table Text Block] Segments [Axis] Segments [Axis] Investment Policy Investment Policy [Policy Text Block] Disclosure of accounting policy on highly liquid investments with original maturities of three months or less at the date of acquisition that are considered cash equivalents. Change in Fair Value as of Vesting Date of Prior Year Equity Awards Vested in Covered Year Change in Fair Value as of Vesting Date of Prior Year Equity Awards Vested in Covered Year [Member] Defined Benefit Plan, Plan Assets, Allocation [Table] Defined Benefit Plan, Plan Assets, Allocation [Table] Derivative Instrument [Axis] Derivative Instrument [Axis] U.S. federal statutory income tax rate Effective Income Tax Rate Reconciliation, at Federal Statutory Income Tax Rate, Percent Financing receivables, net of allowances Financing Receivable, after Allowance for Credit Loss, Current Unsecured notes Long-Term Debt, Gross Exercise Price Award Exercise Price Schedule of significant components of deferred tax assets and deferred tax liabilities Schedule of Deferred Tax Assets and Liabilities [Table Text Block] Arrangement Duration Trading Arrangement Duration Pre-Tax Effect of Derivative Instruments in Cash Flow Hedging Relationships Schedule of Cash Flow Hedges Included in Accumulated Other Comprehensive Income (Loss) [Table Text Block] Operating loss carryforwards Operating Loss Carryforwards Accounting for Leases as a Lessee Lessee, Finance Leases [Text Block] Goodwill and Intangible Assets Goodwill and Intangible Assets Disclosure [Text Block] Change in unrealized components of defined benefit plans Other Comprehensive (Income) Loss, Defined Benefit Plan, after Reclassification Adjustment, before Tax Variable Interest Entity [Table] Variable Interest Entity [Table] HPE stockholders' Equity: Equity, Attributable to Parent [Abstract] Derivative Asset, Statement of Financial Position [Extensible Enumeration] Derivative Asset, Statement of Financial Position [Extensible Enumeration] Amended And Restated Put Share Purchase Agreement Amended And Restated Put Share Purchase Agreement [Member] Amended And Restated Put Share Purchase Agreement Intelligent Edge Intelligent Edge [Member] Intelligent Edge [Member] Material Terms of Trading Arrangement Material Terms of Trading Arrangement [Text Block] Term of credit facility Debt Instrument, Term Accounts payable Increase (Decrease) in Accounts Payable, Trade 2028 Finite-Lived Intangible Asset, Expected Amortization, Year Four Total finance lease liabilities Total finance lease liabilities Finance Lease, Liability All Individuals All Individuals [Member] Americas excluding U.S. Americas Excluding United States [Member] Americas Excluding United States Yield Measurement Input Type, Yield [Member] Measurement Input Type, Yield Reporting Unit [Axis] Reporting Unit [Axis] Alternative Investment, Measurement Alternative Alternative Investment, Measurement Alternative [Member] Alternative Investment, Measurement Alternative Income Tax Disclosure [Abstract] Income Tax Disclosure [Abstract] Fair value, short- and long-term debt Debt Instrument, Fair Value Disclosure Currency impact Defined Benefit Plan, Plan Assets, Foreign Currency Translation Gain (Loss) Interest and other, net Other Nonoperating Income (Expense) Post-Retirement Benefit Plans Other Postretirement Benefits Plan [Member] Statement of Stockholders' Equity [Abstract] Statement of Stockholders' Equity [Abstract] Intangible assets, net Intangible assets, net Intangible Assets, Net (Excluding Goodwill) Gains (Losses) Recognized in OCI on Derivatives in Net Investment Hedging Relationship Other Comprehensive Income (Loss), Net Investment Hedge, Gain (Loss), before Reclassification and Tax Foreign currency and other Foreign currency and other The aggregate amount of FX and other under revolving financing receivables arrangements facilities during the reporting period. Cash dividends declared on preferred stock per share (in dollars per share) Preferred Stock, Dividends Per Share, Declared 2029 Sales-Type and Direct Financing Leases, Payment to be Received, Year Five Transformation costs Transformation costs Total Transformation Costs Transformation Costs Dividend on preferred stock accrued / declared (\$0.83 per preferred share) Dividends, Preferred Stock, Cash Summary of pre-tax net actuarial loss and prior service benefit recognized in accumulated other comprehensive loss for direct defined benefit plans Schedule of Amounts Recognized in Other Comprehensive Income (Loss) [Table Text Block] Year one Financing Receivable, Year Two, Originated, Fiscal Year before Current Fiscal Year Undistributed earnings from non-U.S. operations Undistributed Earnings of Foreign Subsidiaries Defined benefit plan, plan assets, equity exposure Defined Benefit Plan, Plan Assets, Equity Exposure Defined Benefit Plan, Plan Assets, Equity Exposure Change in fair value of plan assets: Changes in fair value measurements of Level 3 investments Defined Benefit Plan, Change in Fair Value of Plan Assets [Roll Forward] Current liabilities Liability, Defined Benefit Plan, Current Addition/deletion of plans Defined Benefit Plan, Benefit Obligation, Increase (Decrease) From Business Combinations And Divestitures Defined Benefit Plan, Benefit Obligation, Increase (Decrease) From Business Combinations And Divestitures Assets Assets, Fair Value Disclosure [Abstract] Operating Lease Assets Included in Machinery and Equipment Lessor, Operating Lease, Carrying Value of Assets Subject to Leases [Table Text Block] Lessor, Operating Lease, Carrying Value of Assets Subject to Leases Unearned income Leases Deferred Income The difference between the minimum lease payments and the present value of the same payments discounted at the implicit interest rate on capital leases. Balance at end of year Tax Credit Carryforward, Valuation Allowance Share-based Payment Arrangement, Expensed and Capitalized, Amount [Table] Share-Based Payment Arrangement, Expensed and Capitalized, Amount [Table] Related Party [Domain] Related and Nonrelated Parties [Domain] Percentage of fair value in excess of carrying amount Reporting Unit, Percentage of Fair Value in Excess of Carrying Amount Restructuring Cost and Reserve [Line Items] Restructuring Cost and Reserve [Line Items] Schedule of indemnified litigation matters and other contingencies Schedule of Loss Contingencies by Contingency [Table Text Block] Net liabilities assumed Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Liabilities GERMANY GERMANY Deferred tax liabilities Deferred tax liabilities Deferred Income Tax Liabilities, Net EV/EBITDA Multiples Maximum Measurement Input, EV/EBITDA Multiples, Maximum [Member] Measurement Input, EV/EBITDA Multiples, Maximum Derivative Liability, Including Not Subject to Master Netting Arrangement, after Offset and Deduction Valuation Approach and Technique [Axis] Valuation Approach and Technique [Axis] Repurchases of common stock (in shares) Stock Repurchased During Period, Shares Lower rates in other jurisdictions, net Effective Income Tax Rate Reconciliation, Foreign Income Tax Rate Differential, Percent Retirement Plan Sponsor Location [Axis] Retirement Plan Sponsor Location [Axis] Divestiture related exit costs Business Exit Costs Amortizable intangible assets Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Finite-Lived Intangibles Preferred stock conversion ratio Preferred Stock, Convertible, Conversion Ratio Deferred Deferred Federal Income Tax Expense (Benefit) Long-term financing receivables and other assets Financing Receivable, before Allowance for Credit Loss, Noncurrent \$818 issued in June 2024, in six tranches at a weighted average price of 99.99% and a weighted average interest rate of 5.59%, payable monthly from July 2024 Asset-Backed Securities Issued June 2024 [Member] Asset-Backed Securities Issued June 2024 Discount rate used to determine service cost Defined Benefit Plan, Assumptions Used Calculating Net Periodic Benefit Cost, Discount Rate, Service Cost Defined Benefit Plan, Assumptions Used Calculating Net Periodic Benefit Cost, Discount Rate, Service Cost Share Repurchase Program [Domain] Share Repurchase Program [Domain] Amount transferred via securitization Transferor's Interests in Transferred Financial Assets, Fair Value Stock issuance costs Payments of Stock Issuance Costs Thereafter Finite-Lived Intangible Asset, Expected Amortization, after Year Five Change in benefit obligation: Defined Benefit Plan, Change in Benefit Obligation [Roll Forward] Measure: Measure [Axis] Issuance of common stock in connection with employee stock plans and other Shares Issued, Value, Share-Based Payment Arrangement, after Forfeiture Operating Loss Carryforwards [Table] Operating Loss Carryforwards [Table] For current year's tax positions Unrecognized Tax Benefits, Increase Resulting from Current Period Tax Positions 2021 Stock Incentive Plan Amendment 2021 Stock Incentive Plan Amendment [Member] 2021 Stock Incentive Plan Amendment Equity issued in connection with the Series C mandatory convertible preferred stock (in shares) Stock Issued During Period, Shares, New Issues Internal use software Capitalized Computer Software, Gross 2025 Defined Benefit Plan, Expected Future Benefit Payment, Year One Open market repurchases (shares) Stock Repurchased During Period, Unsettled, Shares Stock Repurchased During Period, Unsettled, Shares Entity Emerging Growth Company Entity Emerging Growth Company Operating Lease, Right-of-Use Asset, Statement of Financial Position [Extensible List] Operating Lease, Right-of-Use Asset, Statement of Financial Position [Extensible Enumeration] Liabilities, Fair Value Disclosure Liabilities, Fair Value Disclosure Capitalized software development costs Capitalized Software Development Costs [Member] Capitalized Software Development Costs Income Tax, Examination [Table] Income Tax, Examination [Table] 2029 Long-Term Debt, Maturity, Year Five Non-GAAP Measure Description Non-GAAP Measure Description [Text Block] Reclassifications of (gains) losses into earnings Reclassification from Accumulated Other Comprehensive Income, Current Period, before Tax Aggregate accumulated benefit obligation Defined Benefit Plan, Plan

with Accumulated Benefit Obligation in Excess of Plan Assets, Accumulated Benefit Obligation Net finance lease ROU assets Finance Lease, Right-of-Use Asset, after Accumulated Amortization Equity Component [Domain] Equity Component [Domain] Preferred stock, par value (in USD per share) Preferred Stock, Par or Stated Value Per Share Dilutive effect of preferred stock (in shares) Incremental Common Shares Attributable to Dilutive Effect of Conversion of Preferred Stock Class of Treasury Stock [Table] Class of Treasury Stock [Table] 2015 Stock Incentive Plan Hewlett Packard Enterprise Company 2015 Stock Incentive Plan [Member] Hewlett Packard Enterprise Company 2015 Stock Incentive Plan Additional 402(v) Disclosure Additional 402(v) Disclosure [Text Block] Entity Shell Company Entity Shell Company Recorded Unconditional Purchase Obligation, to be Paid, Year Three Recorded Unconditional Purchase Obligation, to be Paid, Year Three Entity Incorporation, State or Country Code Entity Incorporation, State or Country Code 2028 Defined Benefit Plan, Expected Future Benefit Payment, Year Four Gross finance lease ROU assets Finance Lease, Right-Of-Use Asset, Gross Finance Lease, Right-Of-Use Asset, Gross Summary of Investment Holdings [Line Items] Summary of Investment Holdings [Line Items] Lessor Lease Activity Lessor, Lease Activity [Table Text Block] Lessor, Lease Activity Statement [Table] Statement [Table] Interest expense Interest Expense, Debt Counterparty Name [Axis] Counterparty Name [Axis] Measurement Frequency [Domain] Measurement Frequency [Domain] Earnings Per Share, Basic, by Common Class, Including Two Class Method [Line Items] Earnings Per Share, Basic, by Common Class, Including Two Class Method [Line Items] Schedule of Variable Interest Entities Schedule of Variable Interest Entities [Table Text Block] Consolidation Items [Domain] Consolidation Items [Domain] Net Revenue: Segment Reporting Information, Revenue for Reportable Segment [Abstract] Financing Receivable, Past Due [Line Items] Financing Receivable, Past Due [Line Items] Interest expense paid Interest Paid, Excluding Capitalized Interest, Operating Activities Equity securities without readily determinable fair value, upward price adjustment, cumulative amount Equity Securities without Readily Determinable Fair Value, Upward Price Adjustment, Cumulative Amount Restructuring and Related Cost, Expected Cost Remaining Restructuring and Related Cost, Expected Cost Remaining Investment in property, plant and equipment and software assets Payments to Acquire Productive Assets Hybrid Cloud High Performance Computing and Artificial Intelligence [Member] High Performance Computing and Artificial Intelligence Level1 Fair Value, Inputs, Level 1 [Member] Concentration Risk Benchmark [Axis] Concentration Risk Benchmark [Axis] Employee and retiree benefits Deferred Tax Assets, Tax Deferred Expense, Compensation and Benefits Total current assets Assets, Current Finance Leases Finance Lease, Assets And Liabilities, Lessee [Abstract] Finance Lease, Assets And Liabilities, Lessee Statement of Cash Flows [Abstract] Statement of Cash Flows [Abstract] Senior Notes Senior Notes [Member] Thereafter Lessor, Operating Lease, Payment to be Received, after Year Five HPE Next Plan HPE Next [Member] HPE Next [Member] 2027 Long-Term Debt, Maturity, Year Three Schedule of Long-term Debt Instruments [Table] Schedule of Long-Term Debt Instruments [Table] Employer contributions Defined Benefit Plan, Plan Assets, Contributions by Employer Tranche [Domain] Tranche [Domain] Tranche [Domain] Financing cost Financing Interest Expense Accumulated Other Comprehensive Income (Loss) [Table] Accumulated Other Comprehensive Income (Loss) [Table] Investment amount Equity Securities without Readily Determinable Fair Value, Amount Entity Well-known Seasoned Issuer Entity Well-known Seasoned Issuer Intangible Assets Other Intangible Assets [Member] Income tax benefits, reduced rates for subsidiaries in certain countries (in dollars per share) Income Tax Reconciliation, Reduced Rates for Income from Manufacturing and Services, Per Share Per share amount of the difference between reported income tax expense (benefit) and expected income tax expense (benefit) computed by applying the domestic federal statutory income tax rates to pretax income (loss) from continuing operations attributable to reduced rates for subsidiaries in certain countries resulting from certain employment actions and capital investments undertaken by the entity. Repurchased Stock Repurchased and Retired During Period, Value Time deposits Bank Time Deposits [Member] Taxes on Earnings Income Tax Disclosure [Text Block] Corporate Investments and Other Corporate Investments [Member] Business reporting segment that includes HP Labs and certain business incubation projects. 2028 Lessee, Operating Lease, Liability, to be Paid, Year Four Numerator: Net Income (Loss) Attributable to Parent [Abstract] Number of ECT contracts related to alleged improprieties Number Of Contracts Related To Alleged Improprieties The number of contracts related to alleged improprieties. Equity securities without readily determinable fair value, downward price adjustment, cumulative amount Equity Securities without Readily Determinable Fair Value, Downward Price Adjustment, Cumulative Amount Domestic Plan Domestic Plan [Member] Operating Lease, Lease Income, Statement of Income or Comprehensive Income [Extensible Enumeration] Operating Lease, Lease Income, Statement of Income or Comprehensive Income [Extensible Enumeration] Valuation Technique, Discounted Cash Flow Valuation Technique, Discounted Cash Flow [Member] Long-Term Other Liabilities Other Noncurrent Liabilities [Member] Schedule of Allowance for Doubtful Accounts for Financing Receivables Allowance for Doubtful Accounts [Table Text Block] Tabular disclosure of the changes in the balance of the allowance for doubtful accounts. Organization, Consolidation and Presentation of Financial Statements [Abstract] Weighted-average discount rate Operating Lease, Weighted Average Discount Rate, Percent Short-term borrowings with original maturities less than 90A days, net Proceeds from (Repayments of) Short-Term Debt Net cash provided by (used in) financing activities Net Cash Provided by (Used in) Financing Activities Credit Facility [Axis] Credit Facility [Axis] Operating loss carryforwards Operating Loss Carryforwards [Line Items] Income tax benefits, reduced rates for subsidiaries in certain countries Income Tax Reconciliation, Reduced Rates for Income from Manufacturing and Services Amount of the difference between reported income tax expense (benefit) and expected income tax expense (benefit) computed by applying the domestic federal statutory income tax rates to pretax income (loss) from continuing operations attributable to reduced rates for subsidiaries in certain countries resulting from certain employment actions and capital investments undertaken by the entity. Loss Contingency Nature [Axis] Loss Contingency Nature [Axis] Pre-Separation tax matters Income Tax (Benefits) Charges, Pre-Separation Tax Matters Income Tax (Benefits) Charges, Pre-Separation Tax Matters Unallocated corporate costs and eliminations Segment Reporting Information Corporate and Unallocated Costs, Gains and Eliminations Amount of reconciling item for corporate and unallocated costs, gains and eliminations. Entity Registrant Name Entity Registrant Name Derivative liabilities Offsetting Derivative Liabilities [Abstract] Cash Flows from Operating Activities: Net Cash Provided by (Used in) Operating Activities, Continuing Operations [Abstract] Adjustment to Non-PEO NEO Compensation Footnote Adjustment to Non-PEO NEO Compensation Footnote [Text Block] Depreciation and amortization Depreciation, Depletion and Amortization Revenue, Remaining Performance Obligation, Expected Timing of Satisfaction [Table] Revenue, Remaining Performance Obligation, Expected Timing of Satisfaction [Table] Curtailments, settlements and other Other Comprehensive Income (Loss), Defined Benefit Plan, Settlement and Curtailment Gain (Loss), before Tax Deferred State and Local Income Tax Expense (Benefit) Deferred State and Local Income Tax Expense (Benefit) Fair Value as of Grant Date Award Grant Date Fair Value Major Customers Customer Concentration Risk [Member] Non-current assets Assets for Plan Benefits, Defined Benefit Plan LevelA 2 Fair Value, Inputs, Level 2 [Member] Finite-Lived Intangible Assets, Remaining Amortization Period Finite-Lived Intangible Assets, Remaining Amortization Period Stockholders' Equity Equity, Including Portion Attributable to Noncontrolling Interest [Abstract] Amortization of capitalized costs to obtain a contract Capitalized Contract Cost, Amortization Geographical [Domain] Geographical [Domain] Equity issued in connection with the 7.625% Series C mandatory convertible preferred stock Stock Issued During Period, Value, New Issues Unbilled receivable Unbilled Contracts Receivable Stock-based compensation expense Share-Based Payment Arrangement, Expensed and Capitalized, Amount [Table Text Block] Restructuring Cost [Table] Restructuring Cost [Table] Cash dividends paid to non-controlling interests, net of contributions Payments of Ordinary Dividends, Noncontrolling Interest Restatement Determination Date: Restatement Determination Date [Axis] Title of 12(b) Security Title of 12(b) Security Concentration Risk Type [Axis] Concentration Risk Type [Axis] Document Financial Statement Error Correction Document Financial Statement Error Correction [Flag] Expected contribution to defined benefit plans in fiscal 2023 Defined Benefit Plan, Expected Future Employer Contributions, Next Fiscal Year Share-based Payment Arrangement [Abstract] Share-Based Payment Arrangement [Abstract] Income Tax Authority, Name [Domain] Income Tax Authority, Name [Domain] Finance Lease, Liability, Current, Statement of Financial Position [Extensible List] Finance Lease, Liability, Current, Statement of Financial Position [Extensible Enumeration] Other comprehensive income (loss) before reclassifications Other Comprehensive Income (Loss), before Reclassifications, before Tax Warranty Deferred Tax Assets, Tax Deferred Expense, Reserves and Accruals, Warranty Reserves HPE 401(k) Plan H.P.E Defined Contribution Plan [Member] The HP 401(k) Plan. Total Property, Plant, and Equipment, Lessor Asset under Operating Lease, after Accumulated Depreciation State income taxes, net of federal tax benefit Effective Income Tax Rate Reconciliation, State and Local Income Taxes, Percent Infrastructure and other Infrastructure And Other Restructuring Items [Member] Infrastructure and other costs associated with exit or disposal activities. Other Deferred Tax Assets, Other \$796A issued in January 2024, in six tranches at a weighted average price of 99.99% and a weighted average interest rate of 5.48%, payable monthly from February 2024 Asset-Backed Securities Issued January 2024 [Member] Asset-Backed Securities Issued January 2024 2029 Defined Benefit Plan, Expected Future Benefit Payment, Year Five OpsRamp OpsRamp [Member] OpsRamp Operating Lease, Liability, Current, Statement of Financial Position [Extensible List] Operating Lease, Liability, Current, Statement of Financial Position [Extensible Enumeration] Recorded Unconditional Purchase Obligation, to be Paid, after Year Five Recorded Unconditional Purchase Obligation, to be Paid, after Year Five Cash and Cash Equivalents [Domain] Cash and Cash Equivalents [Domain] Reporting Unit [Domain] Reporting Unit [Domain] Total deferred tax liabilities Deferred Tax Liabilities, Gross Valuation Approach and Technique [Domain] Valuation Approach and Technique [Domain] Basic (in dollars per share) Earnings Per Share, Basic Discount rate Defined Benefit Plan, Impact of Assumptions Used Calculating Net Periodic Benefit Cost, Discount Rate, Amount Defined Benefit Plan, Assumptions Used Calculating Net Periodic Benefit Cost, Discount Rate, Amount Cash outflows from operating leases Operating Lease, Payments Award Timing MNPI Disclosure Award Timing MNPI Disclosure [Text Block] Effective income tax rate reconciliation, tax settlement, domestic, amount Effective Income Tax Rate Reconciliation, Tax Settlement, Domestic, Amount Discount rate used to determine interest cost Defined Benefit Plan, Assumptions Used Calculating Net Periodic Benefit Cost, Discount Rate, Interest Cost Defined Benefit Plan, Assumptions Used Calculating Net Periodic Benefit Cost, Discount Rate, Interest Cost U.S. non-qualified plan participants Nonqualified Plan [Member] Aggregate Pension Adjustments Service Cost Aggregate Pension Adjustments Service Cost [Member] Goodwill [Table] Goodwill [Table] Plan Assets Defined Benefit Plan, Plan Assets, Actual Allocation, Percentage Proceeds from debt, net of issuance costs Proceeds from Debt, Net of Issuance Costs Increases: Unrecognized Tax Benefits Period Increase [Abstract] Property, Plant and Equipment, net Property, Plant and Equipment, Policy [Policy Text Block] Loss Contingency [Abstract] Loss Contingency [Abstract] Total current liabilities Liabilities, Current Number of HP India employees alleging underpaid customs Number Of Subsidiary Employees Related To Alleged Underpaid Customs Duties Proceedings The number of the subsidiary of the former Parent's employees alleging the entity underpaid customs duties related to the proceedings. Share Repurchase Program [Axis] Share Repurchase Program [Axis] Duties and penalties under show cause notices Duties, Penalties Affirmed under Show Cause Notices The aggregate amount of duties and penalties that the Commissioner of Customs is seeking to have HP India and the other named individuals pay under the products and parts show cause notices. \$1,250 issued at discount to par at a price of 99.908% in September 2024 at 4.85%, due October 15, 2031, interest payable semi-annually on April 15 and October 15 of each year Senior Notes 2024, Issued At Discount To Par, Due October 2031 [Member] Senior Notes 2024, Issued At Discount To Par, Due October 2031 Concentrations of Risk Concentration Risk, Credit Risk, Policy [Policy Text Block] Dividends received from equity investees Proceeds from Equity Method Investment, Distribution 2025 Finite-Lived Intangible Asset, Expected Amortization, Year One Borrowings outstanding Long-Term Line of Credit Granted and assumed through acquisition (in shares) Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Grants in Period Actual return on plan assets: Defined Benefit Plan, Plan Assets Level 3 Reconciliation, Increase (Decrease) for Purchase, Sale, and Settlement [Abstract] Disaster recovery (charges) Gain (Loss) From Catastrophe Gain (Loss) From Catastrophe Derivative Liability, Subject to Master Netting Arrangement, Asset Offset Derivative Liability, Subject to Master Netting Arrangement, Asset Offset Software development costs in process, not currently amortizable Software Development Costs In Process, Not Currently Amortizable Software Development Costs In Process, Not Currently Amortizable Interest and other, net Interest and Debt Expense Other Other Sundry Liabilities, Noncurrent Expected long-term return on plan assets Defined Benefit Plan, Impact of Assumptions Used Calculating Net Periodic Benefit Cost, Expected Return on Plan Assets, Basis Points Defined Benefit Plan, Impact of Assumptions Used Calculating Net Periodic Benefit Cost, Expected Return on Plan Assets, Basis Points Business Combinations Business Combinations Policy [Policy Text Block] Equity Interests Equity Method Investments and Joint Ventures Disclosure [Text Block] Financing Receivable, Allowance for Credit Loss [Line Items] Financing Receivable, Allowance for Credit Loss [Line Items] Nonoperating Income (Expense) [Member] Nonoperating Income (Expense) [Member] Private Equity Private/hybrid equity securities Private Equity Funds [Member] Discount rate used to determine benefit obligation Defined Benefit Plan, Assumptions Used Calculating Net Periodic Benefit Cost, Discount Rate Operating Activities [Domain] Operating Activities [Domain] Total net revenue Net revenue Net revenue Revenues Settlement loss and special termination benefits Defined Benefit Net Periodic Benefit Cost (Credit), Gain (Loss) On Settlement And Special Termination Benefits Defined Benefit Net Periodic Benefit Cost (Credit), Gain (Loss) On Settlement And Special Termination Benefits Stock-Based Compensation Share-Based Payment Arrangement [Text Block] Duration of lease term for which lease-related forward contracts and intercompany lease loan forward contracts can be extended Lease Term For Which Lease Related Forward Contracts And Intercompany Lease Loan Forward Contracts Can Be Extended The duration of lease term for which lease-related forward contracts and intercompany lease loan forward contracts can be extended by the entity. Schedule of interest expense on borrowings recognized in the Combined and Consolidated Statements of Earnings Schedule of Interest Expense [Table Text Block] Tabular disclosure of the amount of interest rate expenses related to borrowings. Entity Address, City or Town Entity Address, City or Town Schedule of changes in fair value measurements of Level 3 investments for Direct non-U.S. defined benefit plans Schedule of Effect of Significant Unobservable Inputs, Changes in Plan Assets [Table Text Block] Lessee Accounting Lessee, Leases [Policy Text Block] Lease receivable, undiscounted excess amount Sales-type and Direct Financing Leases, Lease Receivable, Undiscounted Excess Amount 2025 Sales-Type and Direct Financing Leases, Payment to be Received, Year One Schedule of notes payable and short-term borrowings, including the current portion of long-term debt Schedule of Short Term Debt and Current Portion of Long-Term Debt [Table Text Block] Schedule of Short Term Debt and Current Portion of Long-Term Debt [Table Text Block] Income tax benefits on restructuring charges, separation costs, transformation costs and acquisition and other related charges Effective Income Tax Rate Reconciliation, Income Taxes (Benefit) Charges This represents income tax charges (benefits) and includes restructuring, separation, and other related cost. Number of tranches Debt Instrument, Number of Tranches Debt Instrument, Number of Tranches Derivative Asset, Subject to Master Netting Arrangement, Liability Offset Derivative Asset, Subject to Master Netting Arrangement, Liability Offset Stock-based compensation expense Stock-based compensation expense Share-Based Payment Arrangement, Expense Income tax expense (interest) and penalties from uncertain tax positions Unrecognized Tax Benefits, Income Tax Penalties and Interest Expense Other Commitments [Table] Other Commitments [Table] Loss Contingencies [Table] Loss Contingencies [Table] Effective income tax rate reconciliation, utilization of capital losses, amount Effective Income Tax Rate Reconciliation, Utilization of Capital Losses, Amount Effective Income Tax Rate Reconciliation, Utilization of Capital Losses, Amount Forfeited/canceled (in shares) Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Forfeited in Period Business Acquisition [Axis] Business Acquisition [Axis] Schedule of intangible assets Schedule of Finite-Lived Intangible Assets [Table Text Block] Restricted Stock Awards Restricted Stock Awards [Member] Restricted stock awards are non-vested stock awards that include grants of restricted stock and grants of restricted stock units. Net property, plant and equipment: Property, Plant and Equipment, Net [Abstract] Dividends or Other Earnings Paid on Equity Awards not Otherwise Reflected in Total Compensation for Covered Year Dividends or Other Earnings Paid on Equity Awards not Otherwise Reflected in Total Compensation for Covered Year [Member] Current 1-30A days Financial Asset, Not Past Due [Member] Foreign Foreign Tax Jurisdiction [Member] ROU assets Deferred Tax Liabilities, Leasing Arrangements Cash and Cash Equivalents [Axis] Cash and Cash Equivalents [Axis] Finance Leases Finance Lease, Liability, to be Paid, Fiscal Year Maturity [Abstract] Liabilities Liabilities, Fair Value Disclosure [Abstract] Financing Receivable, Allowance for Credit Loss [Table] Financing Receivable, Allowance for Credit Loss [Table] Document Fiscal Year Focus Document Fiscal Year Focus Restructuring Adjustment to reduce deferred tax asset Deferred Tax Assets, Tax Deferred Expense, Reserves and Accruals, Restructuring Charges Disaster charges (Gain) loss on recoveries and catastrophes (Gain) Loss on Recoveries and Catastrophes (Gain) Loss on Recoveries and Catastrophes Debt Instrument, Name [Domain] Debt Instrument, Name [Domain] Supplemental Balance Sheet Information Assets And Liabilities, Lessee [Table Text Block] Assets And Liabilities, Lessee \$747 issued in May 2022, in six tranches at a weighted average price of 99.99% and a weighted average interest rate of 3.68%, payable monthly from July 2022 with a stated final maturity date of March 2030 Asset-Backed Securities Issued In May 2022 [Member] Asset-Backed Securities Issued In May 2022 \$1,300 issued at discount to par at a price of 99.934% in March 2023 at 5.90%, due October 1, 2024, interest payable semi-annually on April 1 and October 1 of each year Senior Notes 2023, Issued At Discount To Par, Due October 2024 [Member] Senior Notes 2023, Issued At Discount To Par, Due October 2024 Assets, Fair Value Disclosure Assets, Fair Value Disclosure Other Other Accrued Liabilities, Current Non-U.S. Income (Loss) from Continuing Operations before Income Taxes, Foreign 2029 Finite-Lived Intangible Asset, Expected Amortization, Year Five Document Period End Date Document Period End Date U.S. research and development and other credits Deferred Tax Assets, Tax Credit Carryforwards, Research, Valuation Allowance Deferred Tax Assets, Tax Credit Carryforwards, Research, Valuation Allowance Sale of Stock [Axis] Sale

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

T:G6:9J53^~VIV3:P>2X:124.05%100.7%:S=0%P%1%~@H D49(B M "O~<@*f31%F">@H**@~0!\$5A 924R(H F)WFE=GIM/L J2MZMZJ2=G9G=V. S/LJ MCILJ/ IWDJG3ITZ=2K<>V=VCTZ/FEH.E87:8-
(Sf-WY. R8W3X. C89A9X% M82/6S4 .%#J1.985CD^RN875X.9D.SP^O~I7R78@8S%E.NAIE5%RR6\$Y<E.Y.E.MXETO<#K12K^MYFZ.2.159~/JIR.A44/PJ.R.SHI1B.Q6%R M'Y@WSIXO~UUDU:
MAZVSLJWNG8@MFV.AH6^0^SL53PR/OOR. 1:=(3%=IHISKG7I00%G895 M16=*>PUMWMOX4OQBDH8E9N.7=*>RU.E.A46IOH09+>+2)N=LV4005
MNEAWHNS< 6IE. RS%013+QO.#.72/ZK&+&L.V.APOK^JMG?POXU@7G~9N.M.RXG&EAK6XK^*V77Y.I2.PR57A8@J\$S#83 9IR7JL~**&K25VUXB9N. M'Y:TYI6:
2NB6^MX65\$VSSILJ+JF@%<IJKCA.CN.&+9^SBJ>+Y.YHFTNOBYV7L/VF2E\$F^MC8^9ZN2ZCIYA=6M/1^K12IT. Q5=OQ>X^W#=(? 2^K182=..<SKN2P5+E MR>6F(C&S& M7?
S/>+&S5IA^4J/WGVXP550-I03..>+<MGR^I244V6F?=>88H@IGYAIK.M-LTV4IAN7^?>P.C.OU>~8%W#7?>+X6+T7&+6EL2.L7:5.4(MBR.F@. S)O&=4Y27&(3UM.U.U.M.
1815J1>737+N.C%O. P=RW/P&FVP.MO16?7IGUG&=I7 ^92F4PBBN.BW.=<I4^4ROD3^S^I0UM04FOAC^+>A2.M#Z.ZX-V.O.M#P.20K^#41 GMUOE2^#1U!^T@Q5I2..WK8^960
M1?2>?OSPZ>Y1W^W^~P<K&2EW4+~MFG13R8^H4I~@F1JKM6>I6F83B9WJAB M^+WV06EXZY<~.UOPI+8&1697A4<0.9PVWN=X-AW. +5A2V+>E=0^78N0^R.M.RYMN\$8+06AH.\$)U/).
Q+W1(3.8SX2>F>2^88.7Y.6C72T^L+L\$>9.M9WY6Q^F&X.SMI.G.C2+P.CCJ26)Y2^+>2MVNX^L-V.P&+&XOY6NAI9JL.MLSN1JLFBW^@<F.FM^#805I6.^*I6PLIRNS.M.G..>A[=I15/A<<>:
IRIL^X.M=L.MAPPE+VX.3IW2.^>MX8=-2K.S94I7.SRJ.\$.+JB#@<I1D%5.R9F.G6.M^2+IL&.W#E28/E9\$BD/16VO+>XC.I.ZPHX2\$=NIC75I1#>+M7VZ4MEFY2=3G%#I1%~^WL
MDA7P&M+E>H=>I.7JL.AU.^FEAYI:AUW5<8IM6^&S9J?^I5U^23BN\$ME.FM=M=C7WY.JD1>..?>K^T+IBFOM.+?>@&.>P.V.KSY?>9?CISIP.#J.M1K^Y>?C17/JIR.#=?
2IIF6^ZEN5EFC%#I1L.MAIG6>G6Y1KAC+>+V7JO.M=M.KGM.FP2\$2>3CO.V+&A.SRVS%<+Y.MHZ9\$=IMOF#@. 113.#.#.IBY3<~&<I[6+YNTL9&.6FMLPN.VN>7AH6ZOVNTJ.R.#
M^X+AP@O%O.SJ1L7@IBF.MM%00RK@>I2.COJH2ZC\$+P^8=648CKG^RL^MNMIM+>ILIKW.LI.OAH?G5ND<+X.MX@%~.R1<~L.WJ2^C.S21BMV\$M\$M-D9.V6+7
RH0J.K\$5A2Z^6GX%X.44&PFS.M6VN4AVU.CWMS2IGH8<8%~8I%~T.CS1+MBZ.RRL.OF815^J.1(IY3.OAH^MMWN^2UIU/US<~9&Q.E58F.O&@NM8H0^I.L.K355:~^<U-S.LPY:|=I>/
M~VJR.NM.ME<6KGE>6.IQZ.=F36-L44+PTUEM\$>P.ME.LXNCS.FIN77H%8~>M%O&SCNIZ87H01)P\$FCLGJ/ER6P=AV6&+>DIME.XS8&O1+Q&A.GMRRD8.LCU/OPX(BAZ=?
TEAA6^X1%12.58<>@I.OF.MVJOI^M^#C80=6^B/6I.M>2?@FZ^38.SI.\$S^SBIK^I.K2^S+ZYL.GSNIH01UN^95.M14=5L\$H^7+>+<SEN&R=RS27?>V.U/EHM+Z1%<~*82F&6%84>9.MOG
MBUDIRNK>I1W/FWQ&AISD?#/I2I84AIVY\$S&N2N1J(RJIC^FFV\$?P.MR=4.E=I2.10%+LNN^86O7Z7L+8X.IYCH1C5I.^MMDMP192\$O&^U\$W.M9=@R1UFF&?
6JZIO.YITFYI.KWZ+L&F+V4H7GK.W9ATZ.IY5094G8D1J6C.M-825.N8X1XJ.EA.M%N%6%CA[=I9A^7=O9=59G1)BO@~J.3.N6AX7Y16^U^+>+6850UQV-LT^
MVD^EO9.9.3S%1D\$3TX@I/=4PI0.FTIO^K;N.M@YSI^X89HJ/HBT4@H7U/WE.MS372I=*>RS&^R(%FNI.EIKGE&A^75WWW\$S\$ISU>X^I4W6^~PZI/V=KK?2.#?
M.VD+CAO.YE83YIOPI+L.OIOL2VTM7R2I..X^K5# 3J1E.^*3829D.C.MI2I+FM@T^=Z087U^XSIS.R^N&4+>S.L^A674I0U>O2M7MI.TYV=..A)M3IFV:FR.OU0512?30(AI7EJ;N.I
TI&ZUE.IJ9.NO1^?I2^322I+L.P-M=^DF1<+63+I+GAW.VJ.VX3^<X^TVI=IWLIAVO/AD?=-I#7.YPI8YMOH&~L.L^N440QDS1P6ET:>O.@<INVDXHT3ZPA+SW.OH2X>WGO:18=??O.MVX?
E1N\$T4UO.QWW-X.N3?>I2?V^~N8VITX+I>+>S.M7O80U^P&PWSN^I.MR#F=8F^WLOP9R(X.YI.UYCW.BL^KJ3^S.W+5B904Z4PQ<=M.CM^W:
ARZ.V.2YF~^*6I@=N13.QO^XKU.YRYVCZ.NQOMAMN(<?N^..MO785F5?07.GS4@FU-S^I9BYC2M^ON>+I^T^F3M@UZ/1IMPV)XHT.FM78513
MKAUO=Q80=MP7.#NVS.YL<I(60#CXOW^M^I[RDm6%AT.M.L1U1H=74^4PO<~\$S&CWRC&I9QK9GASVPEFV2R.83CFY2?>..3AAD=>92C.G/7X?>KJ1J9^88J:
@H4C=NAV\$=H0GFZEN.IV\$M&YLXR&.B4.IK0S<3.N^V^ORPIS32.3A8YI3.5H19I2.L13GC.VY.M8N&N8V.MRZ6:IX^*XXUW^X&Y8L/18.GYPO+96\$M73<P46\$&5.22J1@HAI^H
L\$C^S64JUV.AV3FF^KRR>[JSN?7IWO.\$#S.BW1/MHF&F5&5.OV+3P6\$UO+>LAAOKA+>VCK09FMFLPA.#C#KA9N6G1.CV@ZF&OWI&+>Y2J[6/RX I<~BJA94^HAQ.05.M4E.B^B^J4M[XIN]
(M4^MAVPDM.MU^EIFK7I?FY^SRP.M^S.GB3I=O%O~P4^4R0\$3.6EHUO.X.MS&W>VPK^SOEYXUOIN^#KA4>+K5N.TI.DV>RAK^X5+V23R^X&B9J1+2^*~M.M41U1WLHCXJOWPI&~L.
510.%FF>?>X.IRYQ9Y660D5/E4^MAVPDS(P<=EB507<I%\$XT^XN+BVY.ORPS^ITZ^NTN9Y.M.=D^O>[GJDI0>^~YJ.D1^ZU^..T.HJM02>7X1JIS2?3J3MW.D.XR7^>N7/
MSI^OR=OPU(E9.V2I)I>=2LIHD^NGSCTMZIG.M.IJDX?LBXOA.9U<+<B1U.M@<OQK.X77N@>L7I.GPH(77D>KD+I3OK+>I.M=I&Y^GIXI:~TJ1SDYJ1^MT29-P..MOLVJ
E\$SVDX<UK^V2S.F9.W3SCGQ&C(XYHUUNVK+&R^S?7.MUJ->+<88I81O2P^Z2N&@<ZIM^RSU?V2>2%O.WL7I.MOP@>2.9^GGM(G13MY\$W(N0E.2)?
+IUYUJ.VPOB\$J1Q^+2CLD%#TC.EOODWN6G@Y.TTIO.GFIR.M-OF.3D7022?>7\$HHN>2WJ6=6.3UW1#>#P.PI=N^N3.VP.EI.ZAHGSSSYI.JKH.MHUN&.I8P3.L5IHC2DP7R/7\$
MTI<ZYG6.AVL+V6G+5(6&B^AVL6M+>R>I87.L131VT.6HTD.W9X%6K2(EI&R8P9^2I0^3B60.\$A~831^A^9&>+<C^PA&I.MB0@>P2>C^*~.H.F.M.M.U9UV>>D>E&FJ6
61@I^T^FUKWWM.N.#44<=UJDP6/3HISJ2C=^M1^#MIS.RD8L.WXC.X9CCSVYI20^5XIRW/K6M0IEN=K>I2^I+I2.LI.U40I-VG.MGKJ\$~^~MHP9JQI
VMI.LJ^..I^JMAZ(&QZIDXX\$Y)=I=(G+V7+WF.M1IY6KLW2.PILO7@I^?UZ.IML1TKM^Q2M>7SSFI&H.O?E.LPB.MO1QO^Y\$G\$X<X.W.C&>#4\$~/XK9JKVJ1ZG^888>U.M7FOQJ/_
KO.(K:~^+M8%2I0%&..W.F9.FE<65.CLZZXZQ1^=>HA^S%ZUS9MGQ^~I=>X^TJIG/M^4.GGWIZ.LP5R>>C.2V<~L6I/SPA2I<~3%WJ.N.W.SF^BY=ZE2650.O^=8K.M^U(H).XFKK3I
QK5?7^FXFA^>8P1UZO?O?>MWL9C2^HIKNI^X40

<4NZM7/YZ^<6IKWMOZ)9NDB=[T!C6KE^M!>G%8!6@%V(Y)^=K!8R@!EOWIT^4^E +DF84^Z:@ ?8F7^JF#W:18#JP78?A)N^A-O JO!%%+VP!0&^ M0D9M=*\$1Y.%^GO?>E:\$M!::G75QI4 >TRQM!=^8N3!C@>O!J!..K!R!JAXV^!2 MR!)%GCH!H>|V7<..H!(!6PN@!WI 6\$25SS^HB!% !Z<=%!^XO!4&X\$R T 2L1 M^L=- E2%=>S@)!@K.X3V!CST5!WDP9=K^>29X!ZUG!24BO JF!^\$^X!7&PK!K^A!|_N =MV3?>B!Y P MB\$>8TKD!B^L<O2^\$A(50 R%RE>:KX<5E=634!A!6YD>F9:GUR8<^F.W: <#/(D&7AWN!2:SUN^>COU3%T^>G!A+8!O?^*MC7AGG>:8JG M!(!W WKL0H!7MTG^:7Z!7>K!JAL!^PIO?_O9F@5AS!)@L!>I3>7S5>@&ZO\$!MUJWS^X9:..M6G?^*NR!VING!^?%0&@C!^!2^C7:E(- V=%ECL:8AKN!2!0_M.M%+#+^V56!^?%:RG4%3:NN_8^E6V!N.^QW!|!|D!^L4:CO/R%Y ^FB@%*!..MM+<%8.W!G9K^!3KL!6^/L!>1>YB4FWU!G^DN9U0#5:OL?4VA%.:N:5X!)3!M M!FE^W^\$N!T02^!Z!XS:UZ!^R-OKP!O6!S!Z>|69+R:74!(!+X!JCM7!|<>O!L-PE+R8SCOOD!KZ_!Y#5!4UD M.%?>V!EWO_5_<:U5:Q_>^!^F3!|>@U<=>HL7W =!W_O>!:YW^7!O!8^!)RB/Q MX!H!N!^Y^O_N!P^XW7%7P^\$5^!<^!<^J.WRK!3CFC=F<^!|B&^!^!>|6A!P!^ M!(!7!Z!Y^>P4O>M&+!G63ED!|>5!F!>=UKON+4!|7P_GP M!O^!|>7O!|7C?B^!SNV!M#^!WKOQ!&X>%SKP#69NB_5!^<^R M7!TYOX=>DZ_W#+!RE!_!L9B@SG5G!S37>/_2T!S0:"HAC05!_!|!|=!<>^* MK!&L? 06^VON^!/_30ASZTO<^RP2V^>KQY!YV!P3WU2DK!_V^C%YFAZ8 M!@!|SW9MSF-S>#N45XZ9!|C!>V>|_!Z8^6!5B^FN?+P5AM8:S\$E8XY;3+0%S.SW-B.OD<^<K!N6K+^F!6<>B!Y@:X^FW M!D:~+!|Z!9ZW0.E76YHNF!HEU!V+>P7M0^>^6B^*TX%IF^E_!M!3W!W0Y0M^* M^4R<|UC!>|O6^>QH!|!O0D_XK+&4TU3^"F:W7!5MV.V!8!G^N!T<9YKG!62T M!+!6POKSGG00_~M6O7KV!|EA!_!LMT!EA% M!JK7O<9YW^*6MVR0HY^>\$!|!+!>?%..+^\$?QBN<2!S!>P45:(2!P-T9^&V6R M8!U!|!@&C#H!C^XY.<==^* M!FDPFN5C^LDGL!&6KY^!WWZ!TZ@^>K@!429_!\$1 MT&@4S^5&?W#VWP=F+!>1-@O7@!(RZ!43?6O_IU_!>A!R^R&B#WLT!H!>9?B?>2 M6_>HA%&@>45!(%DL!0N!>2DHI<+>!)66 NK ZP!U.ON^R:~!>=PSV!W@_!UD% MK^>HBE+!>3E>3EL?B>^>SZMS@(!#^!6>_0CUNP^!0Z6Q7H!^WJOT_KAUQ0:M^>^MN2<9D!P3>|>|7YEF!A%N^8!>M!)!PUF^:2!@!>C"D^>GBQ#WG8-!RL2_M<_!>J^>S\$V!Y8^U.D_>+4YGV%>R M7N5GBF7W!5!B@M 6ONEP273@>Q:3.?*(!>CPX.E&%>_&JL_7!>52>E&?^+L5 MH942X_E.N!>B<D@L.C!>SUYON=8UE^?>KEOBA(!>HR^05KGOO:6!>Q?>Y!W M7W!U!X3G@>2Q3!=FZ.LTO<_!>EN% !K!G0^\$!|3YO2!%+WC!^!>K!IE_~!J!>PCOX!LZ^\$#7!>=9^>2>\$5P>OYOCFXWUG!#M!ES!H_>MT^8S6G^>P!1@08L!>\$^Z? \$>N!L_N^W^!>A7^>R^>UGH!1BU: !UHCX!KO^#!W! MU7?^6\$W0C^>^*2!>25<6!Y9&1/QZ5!>^G!^#!V.OU6!|!_!BE/7\$HWOYU^~> M6^#64_C>!/S>A8:T\$7AKL!W@P!>36<_!>^4NH%7!WM%_FNB!F=KK_J^7:~28 M@^A!VE>ES4%KC!J6V7N4<^>X>K4^>A&=>^W<_K2SC:2C!4!VH^!>|/GUZP7Y!>4 M!#6_>08XG^>OOU%!:1+V8HVI.V37NNY4BOK?EM!>TPX_>F^>V#>=!!SG>V^ M_J!>CX>AL:90XR!\$<3Z9AC8H1=>|!2^RP-F^!47P!>UZRFFGG=>V+9/?_Q_X MP^9?>KQ3?BF8_0^>7U_P!P=EA!> 5D>=OGZ0>GTME=|0?2P88N:7U^>S0!>=>NDN MCK!&!A#^!Y.RN(4ES_V!>OQ!V.2E!_UGZD^>2GY!LL2FO9>:>S.WKROAA!^M^>19Y:2K^!>+ M8S+^>7?>VL>:..3OCPR_B^>TSFJ2!|R.9W8!JD^J_RN/Z MD5OXP8_EJ/G^Z^>MDIR=0+O4?>DD^>^>W2LT+B0@NDK4^!>0&^>O.C^>D!Z0^>MO!^>G8GOX3@>4+T731^>S7P_>VNC^>PTB6%>M-4VPV-GK^>GTG9>(28!V8!<T.MB@>A84NG3-H!YV2!LUR^>UKR2!>D2O?O(X203!>V!>=>G\$!&G>7Q!R!J5W^M.MO!|!U_>6QCVD^>T76:~U!>=2KGO=Z!>TT^>C4!>18!Z-#_CP=>MA?>ZOA!>HDB=>M-AW<7#QWF/L7J?>^PF/L^>\$&(!>UAI1_!>OFF!8 M^>#3E2CLY7=>|R54FBKX2A^>X^>B4>R!>OZ7U^!>:3WP!>KWZ3+&!4!>UX#^Y!_M2SD\$<<<>>^P.DQ?>ZK3CF>DS6ZA3M4\$P^>WU=Z!Y5^>TP?>^S.W!>^JL?E+^> M!36C_UB7^>Y!ODF_OQ3A:~!|LCC!>=>HO!F!X!K28%&!>R^>W%OD!>X2!>V7R2D&_MW06N=|7!Z!>+WF.Z!>|>|FS2_>\$!>Z!M!E^>A_?_>K0+^!>I0P_>N!>XO2W& M^>9F@>!>1UGS8!>|!SHE%>|S!M!UOWT:2A#^>Q!5HAA_>%3S.RW_>^Y!G/M#B?>_>OG MUQQ!>C7!UV>^>@X?>9-HPVNM3UV&3..T^>L!>?>|!H.8L!B6(3>70!>? M&:U8#D8OL^>T%? @LW@!|!>^M.Y6<12!>@>_@!>L.KY^>6!D0X.L.3.YE!>@>Q!>MTBO(!>EX0^>GLH+Z.N4SZF-Q^>O_K3\$4D!>=>KC_0\$ZNL^>TE!>OY(>0F?23!>KS.MS.V>QEA.TG+^>TR.A4^>(+SU0\$?>!>6.U.6!# |W!2^>94CBHO(!>^>Z9>0<%>0.M^>8^>F!V!%OCU!>T^>=H\$#?>@>7E_L<7^>Q&V&^>7\$?H^>^E3.U!>(>_7&30FX0XR M+>Z!Y!>6\$P^>87O^>179CHR>W!>5!>!>KFO!>+Z#^>Y^>R#O^>=&=5SS!>\$%V3W!\$<:>D# M!>7MOYOX&^>|!U0%_B!&^>8&O3E!>Z!>B%>:HWH^!>\$_&%>N0^>!>I.M.MKO=>=9!>M?>R5.ON!>=>?>2_!>H233!>IRTH!>C.TUR98!>V8!>\$_M!V.^>^U@:>^>1RPL2UE!>+>%Y8.AM!>|!UG\$>R0!>2S.NN_>@CY 1%>^>=1Q!>|9TN.M^>2C^>3LC2!>=Y!>E>|!>G^>%AZ&W_6^>^>LYKGNM8M3^>5YVE^<^>Q9T>F2468 M8NB!M0_IUO^>8>T7!>HV!F7^>OM0-UH23ON^>H7DZ4_>SR@0ZP8U^>25NSX-H?>3DICE^>XX MUAO!U^>E+>WGV!>#(RF^>B73!>UO^>0KWO<^>H0-C^>D!>8V_>K^>MR.G2C-M^>Q^>A^>JZ:<_!>O!>=>|!>OG35!>|!>Y?>A!>|!>K!>N0A^>OF=YSK7&WC>|8KRO=WP46YU^>P.6TZ!>|N.Y? B!>F42F^>A_07YVM72>^>R2=M>^>+>7Z-KN-RY8\$66X!>=>\$K^>W^!>J_>N!>D79V!>Y9%UC^>2!>Y!>33!>|!>V^>R75_>2% MK.5PWL_>\$B>^>8<=>9:~BHUNMWM:M>_>./>^>XO!>WN-%#_K0!>5!>:YO:>D^>V!>^>MW.SC~00E_5KM(2K7^>G!>+N^>=5@>|>FVG!>V!>C!>P!>B!>G!>%&!>^>VS?>T7!>44<7\$>4O M>_&:<^>ON^>4!>G2H>^>^>LW7O^>WD!>Q!>Y7@>SKXQ&L?>D&R=SHPH>_KY.R^>1YC7BS_I M+>+0!>^>?5E^>OP+>\$0? YS6O>|ZX!>:=KG>D!>=EPC!>Q!>YEGS+ M(EA37!>|9K!>=>=>3!>8Y04!>T:~>O.P!>3SE.A^!>PAU=>37!>2\$P+>F!>^!>_NNF MFW3!>4!>9F2S9N=8!>I&^>2FDYX:H!>M7QVMS5_O!>M+!>S4+>?Z&^>FNN\$FR\$WV<L>H3>QS:V-AZ!>M^>Z_H!>W!>JGGGQ!>Q!>V!>QSA%K3V\$R M!3WK8>?%3G>6#>C_U.KUAAGOYS.DGG!>S!>+YR@M?>PDY^>X!>T7X^>C^>CXO&^>#T.W!>M-SWQQ&@? W!>1#>?/!>S!>VUE!>T!>X!>(ASOM94VM2V+>=D!>N!>G>_Y^>^>B3YO>Y^>8W:7!>I M2WS-M\$8^>_>3TT!>^>..ZV_>5\$W!>H!>U2_L9^>#W!>@!>QR5L!>(FSRCQ_2-GEDG4+G MMK9!>I489Z.E\$>K!>B!>H0!>#>HCl!>:%>+>8X!>OSW407R^>S^>Z61N#>|D!>V!>.>2D_2D M0Z!>U05%>C@>A!>I^>A^>Y!>|!>7-2_XU86R!>O3P!>T!>)=_&^>8NYN7X.MK-Y\$U+_:!>L-8-F=N.ME!>TDT<^>W_BX M<O>E2!>X2!>+!>IURN!>C!>A6Z!>=>?5S6:9Y!>R@>C.Z\$E!>C_#OWXOS^>^>W>_1F_+!>=4^>C=05YKE=>99!>I!>WXT09Y!>5/_M-!>I6E!>V79&QS=3CW!>^J_>PHM!>0=RDA7VUWQO^>#VU8B1@>U_M.PKTHQ@>8:4 |Y7!>2_6^>U!>=>=>B&_>J!>^>N3B#6!>G9!>8!>1<7R!>|!>M!>A&:6 M!>^>Z3=>EC!>B^>KZW>@6A?>7H-G:>OEW02!>\$Y9.\$O!>^>7K!>^>HA+!>K!>^>O!>AQ6X M!>^>S0W-1^>2>Z PM>X.X?>WWU7Y3^>#RL!>:%37&+H7!>T&BV:KX4B-VNA?4= M4!>=YTGI^>..82!>@JAI!>J!>U^>T^>8+6X8!>H!>1^>V^>382 MIM_2XDH!>^>Y.19#_!>@Y9<=>ZB\$!>0-FMR!>A^>FV(B86@>J7_>^>P!>^>4 + \$7 OK =W113:%>P.P_!>#^>|!>J2TO7-P+L 245.1Y^>Y^>8!>|!>END XML 18 R!>htm IDEA: XBRL DOCUMENT

Cover Page - USD (\$)		12 Months Ended			
\$ in Millions		Oct. 31, 2024		Dec. 09, 2024	
				Apr. 30, 2024	

Document Information [Line Items]

Document Type	10-K
Document Annual Report	true
Document Period End Date	Oct. 31, 2024
Document Transition Report	false
Entity File Number	001-37483
Entity Registrant Name	HEWLETT PACKARD ENTERPRISE COMPANY
Entity Incorporation, State or Country Code	DE
Entity Tax Identification Number	47-3298624
Entity Address, Address Line One	1701 East Mossy Oaks Road,
Entity Address, City or Town	Spring,
Entity Address, State or Province	TX
Entity Address, Postal Zip Code	77389
City Area Code	(678)
Local Phone Number	259-9860
Entity Well-known Seasoned Issuer	Yes
Entity Voluntary Filers	No
Entity Current Reporting Status	Yes
Entity Interactive Data Current	Yes
Entity Filer Category	Large Accelerated Filer
Entity Small Business	false
Entity Emerging Growth Company	false
ICFR Auditor Attestation Flag	true
Document Financial Statement Error Correction	false
Entity Shell Company	false
Entity Public Float	

Entity Common Stock, Shares Outstanding

\$ 21,985 1,315,333,942

Documents Incorporated by Reference

DOCUMENT DESCRIPTION	DOCUMENTS INCORPORATED BY REFERENCE	10-K PART
Portions of the Registrant's proxy statement related to its 2025 Annual Meeting of Stockholders to be filed pursuant to Regulation 14A within 120 days after Registrant's fiscal year end of October 31, 2024 are incorporated by reference into Part III of this Report.		III
Entity Central Index Key	0001645590	
Amendment Flag	false	
Current Fiscal Year End Date	--10-31	
Document Fiscal Year Focus	2024	
Document Fiscal Period Focus	FY	
Common Stock		

Document Information [Line Items]

Title of 12(b) Security	Common stock, par value \$0.01 per share
Trading Symbol	HPE
Security Exchange Name	NYSE
7.65% Series C Mandatory Convertible Preferred Stock	
Document Information [Line Items]	
Title of 12(b) Security	7.625% Series C Mandatory Convertible Preferred Stock, par value \$0.01 per share
Trading Symbol	HPEPRC
Security Exchange Name	NYSE

XML 19 R2.htm IDEA: XBRL DOCUMENT

12 Months Ended	
Oct. 31, 2024	

Audit Information [Abstract]

Auditor location	Houston, Texas
Auditor name	Ernst & Young LLP
Auditor Firm ID	42

XML 20 R3.htm IDEA: XBRL DOCUMENT

Consolidated Statements of		12 Months Ended	

Earnings - USD (\$) shares in Thousands, \$ in Millions	Oct. 31, 2024	Oct. 31, 2023	Oct. 31, 2022
Net Revenue:			
Financing income	\$ 668	\$ 547	\$ 483
Total net revenue	30,127	29,135	28,496
Costs and Expenses:			
Financing cost	495	383	310
Research and development	2,246	2,349	2,045
Selling, general and administrative	4,871	5,160	4,941
Amortization of intangible assets	267	288	293
Impairment of goodwill	0	0	905
Transformation costs	93	283	473
Disaster charges	7	1	48
Acquisition, disposition and other related charges	204	69	19
Total costs and expenses	27,937	27,046	27,714
Earnings from operations	2,190	2,089	782
Interest and other, net	(117)	(104)	(121)
Gain on sale of equity interest	733	0	0
Earnings from equity interests	147	245	215
Earnings before provision for taxes	2,953	2,230	876
Provision for taxes	(374)	(205)	(8)
Net earnings attributable to HPE	2,579	2,025	868
Preferred stock dividends	(25)	0	0
Net earnings attributable to common stockholders	\$ 2,554	\$ 2,025	\$ 868
Net earnings (loss) per share:			
Basic (in dollars per share)	\$ 1.95	\$ 1.56	\$ 0.67
Diluted (in dollars per share)	\$ 1.93	\$ 1.54	\$ 0.66
Weighted-average shares used to compute net earnings per share:			
Basic (in shares)	1,309,000	1,299,000	1,303,000
Diluted (in shares)	1,337,000	1,316,000	1,322,000
Products			
Net Revenue:			
Revenues	\$ 18,587	\$ 18,100	\$ 17,794
Costs and Expenses:			
Cost of products and services	12,961	11,958	12,463
Services			
Net Revenue:			
Revenues	10,872	10,488	10,219
Costs and Expenses:			
Cost of products and services	\$ 6,793	\$ 6,555	\$ 6,217

XML 21 R4.htm IDEA: XBRL DOCUMENT

Consolidated Statements of Comprehensive Income - USD (\$) \$ in Millions	12 Months Ended		
	Oct. 31, 2024	Oct. 31, 2023	Oct. 31, 2022
Statement of Comprehensive Income [Abstract]			
Net earnings attributable to HPE	\$ 2,579	\$ 2,025	\$ 868
Change in Net Unrealized Gains (Losses) on Available-for-sale Securities:			
Net unrealized gains (losses) arising during the period	8	1	(16)
Change in unrealized gains (losses) on available-for-sale securities	8	1	(16)
Change in Net Unrealized (Losses) Gains on Cash Flow Hedges:			
Net unrealized (losses) gains arising during the period	(115)	(177)	1,025
Net losses (gains) reclassified into earnings	16	116	(978)
Change in unrealized (losses) gains on cash flow hedges	(99)	(61)	47
Change in Unrealized Components of Defined Benefit Plans:			
Net unrealized gains (losses) arising during the period	34	(99)	(315)
Amortization of net actuarial loss and prior service benefit	136	144	155
Curtailments, settlements and other	2	3	5
Change in unrealized components of defined benefit plans	172	48	(155)
Change in Cumulative Translation Adjustment:			
Net losses arising during the period	(23)	(32)	(146)
Net loss reclassified into earnings	32	0	0
Change in cumulative translation adjustment	9	(32)	(146)
Other Comprehensive Income (Loss) Before Taxes	90	(44)	(270)
Benefit for Taxes	17	58	87
Other Comprehensive Income (Loss), Net of Taxes	107	14	(183)
Comprehensive Income	\$ 2,686	\$ 2,039	\$ 685

XML 22 R5.htm IDEA: XBRL DOCUMENT

Consolidated Balance Sheets - USD (\$) \$ in Millions	Oct. 31, 2024	Oct. 31, 2023
Current Assets:		
Cash and cash equivalents	\$ 14,846	\$ 4,270
Accounts receivable, net of allowances	3,550	3,481
Financing receivables, net of allowances	3,870	3,543
Inventory	7,810	4,607
Assets held for sale	1	0
Other current assets	3,380	3,047
Total current assets	33,457	18,948
Property, plant and equipment, net	5,664	5,989
Long-term financing receivables and other assets	12,616	11,377
Investments in equity interests	929	2,197
Goodwill	[1] 18,086	17,988
Intangible assets, net	510	654
Total assets	71,262	57,153
Current Liabilities:		
Notes payable and short-term borrowings	4,742	4,868
Accounts payable	11,064	7,136
Employee compensation and benefits	1,356	1,724
Taxes on earnings	284	155
Deferred revenue	3,904	3,658
Accrued restructuring	61	180
Liabilities held for sale	32	0
Other accrued liabilities	4,530	4,161
Total current liabilities	25,973	21,882
Long-term debt	13,504	7,487
Other non-current liabilities	6,905	6,546

Commitments and Contingencies

HPE stockholders' Equity:

7.625% Series C mandatory convertible preferred stock, \$0.01 par value (30,000,000 issued and outstanding at October 31, 2024)	0	0
Common stock, \$0.01 par value (9,600,000,000 shares authorized; 1,297,258,235 and 1,282,630,405 issued and outstanding at October 31, 2024 and October 31, 2023, respectively)	13	13
Additional paid-in capital	29,848	28,199
Accumulated deficit	(2,068)	(3,946)
Accumulated other comprehensive loss	(2,977)	(3,084)
Total HPE stockholders' equity	24,816	21,182
Non-controlling interests	64	56
Total stockholders' equity	24,880	21,238
Total liabilities and stockholders' equity	\$ 71,262	\$ 57,153
Common stock, par value (\$ per share)	\$ 0.01	\$ 0.01

[1] Goodwill is net of accumulated impairment losses of \$1.9 billion. Of this amount, \$1.7 billion relates to the HPC & AI reporting unit of which \$815 million was recorded during the fourth quarter of fiscal 2022. The Hybrid Cloud reporting unit has an accumulated impairment loss of \$90 million related to the former Software reporting unit which was also recorded during the fourth quarter of fiscal 2022.

XML 23 R6.htm IDEA: XBRL DOCUMENT

Consolidated Balance

Sheets (Parenthetical) - \$ / shares	Oct. 31, 2024	Oct. 31, 2023
Preferred stock, par value (in USD per share)	\$ 0.01	
Preferred stock, shares issued (in shares)	30,000,000	
Preferred stock, shares outstanding (in shares)	30,000,000	
Common stock, par value (\$ per share)	\$ 0.01	\$ 0.01
Common stock, authorized (in shares)	9,600,000,000	9,600,000,000
Common stock, issued (in shares)	1,297,258,235	1,282,630,405
Common stock, outstanding (in shares)	1,297,258,235	1,282,630,405
Convertible Preferred Stock		
Preferred stock, shares outstanding (in shares)	30,000,000	

XML 24 R7.htm IDEA: XBRL DOCUMENT

Consolidated
Statements of Cash
Flows - USD (\$)
\$ in Millions

12 Months Ended

Oct. 31, 2024Oct. 31, 2023Oct. 31, 2022

Cash Flows from Operating Activities:

Net earnings attributable to HPE	\$ 2,579	\$ 2,025	\$ 868
Adjustments to Reconcile Net Earnings Attributable to HPE to Net Cash Provided by Operating Activities:			
Depreciation and amortization	2,564	2,616	2,480
Impairment of goodwill	0	0	905
Stock-based compensation expense	430	428	391
Provision for inventory and credit losses	175	230	262
Restructuring charges	33	242	214
Deferred taxes on earnings	(64)	(67)	(249)
Earnings from equity interests	(147)	(245)	(215)
Gain on sale of equity interest	(733)	0	0
Dividends received from equity investees	43	200	197
Other, net	149	31	310

Changes in Operating Assets and Liabilities, Net of Acquisitions:

Accounts receivable	(83)	577	(186)
Financing receivables	(909)	(607)	694
Inventory	(3,358)	400	(713)
Accounts payable	3,927	(1,655)	1,707
Taxes on earnings	190	(34)	150
Restructuring	(164)	(275)	(334)
Other assets and liabilities	(291)	562	(1,888)
Net cash provided by operating activities	4,341	4,428	4,593

Cash Flows from Investing Activities:

Investment in property, plant and equipment and software assets	(2,367)	(2,828)	(3,122)
Proceeds from sale of property, plant and equipment	370	602	602
Purchases of investments	(16)	(15)	(55)
Proceeds from maturities and sales of investments	2,149	9	262
Financial collateral posted	(1,020)	(1,443)	(148)
Financial collateral received	978	1,152	374
Payments made in connection with business acquisitions, net of cash acquired	(147)	(761)	0
Net cash used in investing activities	(53)	(3,284)	(2,087)

Cash Flows from Financing Activities:

Short-term borrowings with original maturities less than 90 days, net	(31)	(47)	100
Proceeds from debt, net of issuance costs	11,245	4,725	3,296
Payment of debt	(5,475)	(4,887)	(3,992)
Cash settlement for derivative hedging debt	0	(7)	(8)
Net payments related to stock-based award activities	(84)	(106)	(53)
Proceeds from issuance of 7.625% Series C mandatory convertible preferred stock, net of issuance costs	1,462	0	0
Repurchase of common stock	(150)	(421)	(512)
Cash dividends paid to non-controlling interests, net of contributions	(8)	0	(6)
Cash dividends paid to shareholders	(676)	(619)	(621)
Net cash provided by (used in) financing activities	6,283	(1,362)	(1,796)
Effect of exchange rate changes on cash, cash equivalents, and restricted cash	(47)	36	(279)
Change in cash, cash equivalents and restricted cash	10,524	(182)	431
Cash, cash equivalents and restricted cash at beginning of period	4,581	4,763	4,332
Cash, cash equivalents and restricted cash at end of period	15,105	4,581	4,763

Supplemental Cash Flow Disclosures:

Income taxes paid, net of refunds	248	307	107
Interest expense paid	\$ 772	\$ 677	\$ 453

XML 25 R8.htm IDEA: XBRL DOCUMENT

Consolidated
Statements of Cash
Flows (Parenthetical)

Sep. 10, 2024

Convertible Preferred Stock
Preferred stock dividend rate (as a percentage) 7.625%

XML 26 R9.htm IDEA: XBRL DOCUMENT

Consolidated Statements of Stockholders' Equity - USD (\$) \$ in Millions	Total	Equity Attributable to the Company	Common Stock	Preferred Stock	Additional Paid-in Capital	Accumulated Deficit	Accumulated Other Comprehensive Loss	Non- controlling Interests
Balance (in shares) at Oct. 31, 2021			1,294,634,000					
Balance at Oct. 31, 2021	\$ 20,017	\$ 19,971	\$ 13		\$ 28,470	\$ (5,597)	\$ (2,915)	\$ 46
Beginning balance (in shares) at Oct. 31, 2021				0				
Increase (Decrease) in Stockholders' Equity								
Net earnings attributable to HPE	873	868				868		5
Other comprehensive loss	(183)	(183)					(183)	

Comprehensive income	690	685					5
Stock-based compensation expense	391	391		391			
Tax withholding related to vesting of employee stock plans	(111)	(111)		(111)			
Issuance of common stock in connection with employee stock plans and other (in shares)			21,346,000				
Issuance of common stock in connection with employee stock plans and other	56	54		54			2
Repurchases of common stock (in shares)			(34,943,000)				
Repurchases of common stock	(505)	(505)		(505)			
Cash dividends declared (\$0.52 per common share)	(629)	(621)			(621)		(8)
Balance (in shares) at Oct. 31, 2022			1,281,037,000				
Balance at Oct. 31, 2022	19,909	19,864	\$ 13	28,299	(5,350)	(3,098)	45
Ending balance (in shares) at Oct. 31, 2022			0				
Increase (Decrease) in Stockholders' Equity							
Net earnings attributable to HPE	2,036	2,025			2,025		11
Other comprehensive loss	14	14				14	
Comprehensive income	2,050	2,039					11
Stock-based compensation expense	428	428		428			
Tax withholding related to vesting of employee stock plans	(165)	(165)		(165)			
Issuance of common stock in connection with employee stock plans and other (in shares)			28,684,000				
Issuance of common stock in connection with employee stock plans and other	54	54		56	(2)		
Repurchases of common stock (in shares)			(27,091,000)				
Repurchases of common stock	(419)	(419)		(419)			
Cash dividends declared (\$0.52 per common share)	\$ (619)	(619)			(619)		
Balance (in shares) at Oct. 31, 2023	1,282,630,405		1,282,630,000				
Balance at Oct. 31, 2023	\$ 21,238	21,182	\$ 13	28,199	(3,946)	(3,084)	56
Ending balance (in shares) at Oct. 31, 2023			0				
Increase (Decrease) in Stockholders' Equity							
Net earnings attributable to HPE	2,595	2,579			2,579		16
Other comprehensive loss	107	107				107	
Comprehensive income	2,702	2,686					16
Stock-based compensation expense	430	430		430			
Tax withholding related to vesting of employee stock plans	(145)	(145)		(145)			
Equity issued in connection with the Series C mandatory convertible preferred stock (in shares)			30,000,000,000				
Equity issued in connection with the 7.625% Series C mandatory convertible preferred stock	1,462	1,462		1,462			
Issuance of common stock in connection with employee stock plans and other (in shares)			22,385,000				
Issuance of common stock in connection with employee stock plans and other	52	52		52			
Repurchases of common stock (in shares)			(7,757,000)				
Repurchases of common stock	(150)	(150)		(150)			
Dividend on preferred stock accrued / declared (\$0.83 per preferred share)	(25)	(25)			(25)		
Cash dividends declared (\$0.52 per common share)	\$ (684)	(676)			(676)		(8)
Balance (in shares) at Oct. 31, 2024	1,297,258,235		1,297,258,000				
Balance at Oct. 31, 2024	\$ 24,880	\$ 24,816	\$ 13	\$ 29,848	\$ (2,068)	\$ (2,977)	\$ 64
Ending balance (in shares) at Oct. 31, 2024	30,000,000		30,000,000,000				

[XML 27 R10.htm IDEA: XBRL DOCUMENT](#)

Consolidated Statements of Stockholders' Equity (Parenthetical) - \$ / shares	3 Months Ended		12 Months Ended		
	Sep. 10, 2024	Oct. 31, 2024	Oct. 31, 2024	Oct. 31, 2023	Oct. 31, 2022
Cash dividends declared per share (in dollars per share)			\$ 0.52	\$ 0.48	\$ 0.48
Cash dividends declared on preferred stock per share (in dollars per share)			\$ 0.83		
Convertible Preferred Stock					
Preferred stock dividend rate (as a percentage)	7.625%				
Cash dividends declared on preferred stock per share (in dollars per share)		\$ 0.82604167			

[XML 28 R11.htm IDEA: XBRL DOCUMENT](#)

Overview and Summary of Significant Accounting Policies	12 Months Ended
	Oct. 31, 2024
Accounting Policies [Abstract]	

[Overview and Summary of Significant Accounting Policies](#)

Background	Hewlett Packard Enterprise Company ("Hewlett Packard Enterprise," "HPE," or the "Company") is a global technology leader focused on developing intelligent solutions that allow customers to capture, analyze and act upon data seamlessly from edge to cloud. Hewlett Packard Enterprise enables customers to accelerate business outcomes by driving new business models, creating new customer and employee experiences, and increasing operational efficiency today and into the future. Hewlett Packard Enterprise's customers range from small- and medium-sized businesses to large global enterprises and governmental entities. <i>Basis of Presentation and Principles of Consolidation</i> The Consolidated Financial Statements are prepared in accordance with U.S. generally accepted accounting principles ("GAAP"). The accompanying Consolidated Financial Statements include the accounts of the Company and its subsidiaries and affiliates in which the Company has a controlling financial interest or is the primary beneficiary. All intercompany transactions and accounts within the consolidated businesses of the Company have been eliminated. The Company consolidates a Variable Interest Entity ("VIE") where it has been determined that the Company is the primary beneficiary of the entity's operation. The primary beneficiary is the party that has both the power to direct the activities that most significantly impact the VIE's economic performance and the obligation to absorb losses or the right to receive benefits of the VIE that could potentially be significant to the VIE. In evaluating whether the Company is the primary beneficiary, the Company evaluates its power to direct the most significant activities of the VIE by considering the purpose and design of the entity and the risks the entity was designed to create and pass through to its variable interest holders. The Company also evaluates its economic interests in the VIE. The Company accounts for investments in companies over which it has the ability to exercise significant influence but does not hold a controlling interest under the equity method of accounting, and the Company records its proportionate share of income or losses in Earnings from equity interests in the Consolidated Statements of Earnings. Non-controlling interests are presented as a separate component within Total stockholders' equity in the Consolidated Balance Sheets. Net earnings attributable to non-controlling interests are recorded within Interest and other, net in the Consolidated Statements of Earnings and are not presented separately, as they were not material for any periods presented. <i>Segment Realignment</i> Effective as of the beginning of fiscal 2024, in order to align the segment financial reporting more closely with its business structure, the Company established two new reportable segments, Hybrid Cloud and Server. Hybrid Cloud includes the historical Storage segment, HPE GreenLake Flex Solutions (which provides flexible as-a-service ("aaS") IT infrastructure through the HPE GreenLake cloud and was previously reported under the Compute and the High Performance Computing & Artificial Intelligence ("HPC & AI") segments), Private Cloud, and Software (previously reported under the Corporate Investments and Other segment). The Server segment combines the previously separately reported Compute and HPC & AI segments, with adjustments for certain product lines that are now reported in Hybrid Cloud. Additionally, certain products and services previously reported in the financial results for the HPC & AI segment were moved to be reported in the Hybrid Cloud segment, and the Athonet business and certain components of the Communications and Media Solutions ("CMS") business, both previously reported in the financial results for Corporate Investments and Other, moved to be reported in the Intelligent Edge segment. As a result, the Company's organizational structure for fiscal 2024 consisted of the following segments: (i) Server; (ii) Hybrid Cloud; (iii) Intelligent Edge; (iv) Financial Services; and (v) Corporate Investments and Other. The Company began reporting under this re-aligned segment structure beginning with the results of the first quarter of fiscal 2024 included in the Quarterly Report on Form 10-Q for the fiscal quarter ended January 31, 2024. These changes had no impact on Hewlett Packard Enterprise's previously reported consolidated net revenue, net earnings, net earnings per share ("EPS") or total assets. <i>Russia/Ukraine Conflict</i> In response to the conflict between Russia and Ukraine and the related sanctions imposed by the U.S., European Union and other countries, the Company determined that it was no longer tenable to maintain its operations in Russia and Belarus and has been proceeding with an orderly, managed exit of its remaining business in these countries. During fiscal 2022, the Company recorded total pre-tax charges of \$161 million primarily related to expected credit losses of financing and trade receivables, employee severance and abandoned assets, \$99 million of which was included in Financing cost, \$12 million in Cost of services and \$50 million in Disaster charges in the Consolidated Statements of Earnings. <i>Use of Estimates</i> The preparation of financial statements requires management to make estimates, judgments and assumptions that affect the amounts reported in the Consolidated Financial Statements and

accompanying notes. Estimates are assessed each period and updated to reflect current information, including those related to revenue recognition, stock-based compensation, net periodic benefit costs, restructuring accruals, provision for taxes, valuation allowance for deferred taxes, provision for expected credit losses, inventory reserves, and impairment assessments of goodwill, intangible assets and other long-lived assets. The Company believes that these estimates, judgments and assumptions are reasonable under the circumstances, and are subject to significant uncertainties, some of which are beyond the Company's control. Should any of these estimates change, it could adversely affect the Company's results of operations. Actual results could differ materially from these estimates under different assumptions or conditions.

Foreign Currency Translation

The Company predominately uses the U.S. dollar as its functional currency. Assets and liabilities denominated in non-U.S. currencies are remeasured into U.S. dollars at current exchange rates for monetary assets and liabilities and at historical exchange rates for non-monetary assets and liabilities. Net revenue, costs and expenses denominated in non-U.S. currencies are recorded in U.S. dollars at the average rates of exchange prevailing during the period. The Company includes gains or losses from foreign currency remeasurement in Interest and other, net in the Consolidated Statements of Earnings and gains and losses from cash flow hedges in Net revenue as the hedged revenue is recognized. Certain non-U.S. subsidiaries designate the local currency as their functional currency, and the Company records the translation of their assets and liabilities into U.S. dollars at the balance sheet date as translation adjustments and includes them as a component of Accumulated other comprehensive loss in the Consolidated Balance Sheets.

Revenue Recognition

The Company accounts for a contract with a customer when both parties have provided written approval and are committed to perform, each party's rights including payment terms are identified, the contract has commercial substance, and collection of consideration is probable.

The Company enters into contracts with customers that typically include combinations of products and services, resulting in arrangements containing multiple performance obligations for hardware and software products and/or various services. The Company determines whether each product or service is distinct in order to identify the performance obligations in the contract and allocate the contract transaction price among the distinct performance obligations. Arrangements are distinct based on whether the customer can benefit from the product or service on its own or together with other resources that are readily available and whether the commitment to transfer the product or service to the customer is separately identifiable from other obligations in the contract. The Company classifies its hardware, perpetual software licenses, service arrangements and software-as-a-service ("SaaS") as distinct performance obligations. Term software licenses represent multiple obligations, which include software licenses and software maintenance. In transactions where the Company delivers hardware or software, it is typically the principal and records revenue and costs of goods sold on a gross basis.

The majority of the Company's revenue is derived from sales of products and services and the associated support and maintenance, and such revenue is recognized when, or as, control of promised products or services is transferred to the customer, in an amount that reflects the consideration to which the Company expects to be entitled, in exchange for those products or services. Variable consideration offered in contracts with customers, partners and distributors may include rebates, volume-based discounts, price protection, and other incentive programs. Variable consideration is estimated at contract inception and updated at the end of each reporting period as additional information becomes available and recognized only to the extent that it is probable that a significant reversal of revenue will not occur.

Transfer of control occurs once the customer has the contractual right to use the product, generally upon delivery once title and risk of loss has transferred to the customer. Transfer of control can also occur over time for maintenance and services as the customer receives the benefit over the contract term. The Company's hardware and perpetual software licenses are distinct performance obligations where revenue is recognized upfront upon transfer of control. Term software licenses include multiple performance obligations where the term licenses are recognized upfront upon transfer of control, with the associated software maintenance revenue recognized ratably over the contract term as services and software updates are provided. SaaS arrangements have one distinct performance obligation which is satisfied over time with revenue recognized ratably over the contract term as the customer consumes the services. On its product sales, the Company records consideration from shipping and handling on a gross basis within net product sales. Revenue is recorded net of any associated sales taxes.

The Company allocates the transaction price for the contract among the performance obligations on a relative standalone selling price basis ("SSP"). For products and services sold as a bundle, the SSP is generally not directly observable and requires the Company to estimate SSP based on management judgment by considering available data such as internal margin objectives, pricing strategies, market/competitive conditions, historical profitability data, as well as other observable inputs. For certain products and services, the Company establishes SSP based on the observable price when sold separately in similar circumstances to similar customers. The Company establishes SSP ranges for its products and services and reassesses them periodically.

Judgment is applied in determining the transaction price as the Company may be required to estimate variable consideration when determining the amount of revenue to recognize. Variable consideration may include various rebates, volume-based discounts, price protection, and other incentive programs that are offered to customers, partners and distributors. When determining the amount of revenue to recognize, the Company estimates the expected usage of these programs, applying the expected value or most likely estimate and updates the estimate at each reporting period as actual utilization becomes available. The Company also considers the customers' right of return in determining the transaction price, where applicable.

Contract Balances

Accounts receivable and contract assets

A receivable is a right to consideration in exchange for products or services the Company has transferred to a customer that is unconditional. A contract asset is a right to consideration in exchange for products or services transferred to a customer that is conditional on something other than the passage of time. A receivable is recorded when the right to consideration becomes unconditional.

The Company's contract assets include unbilled receivables which are recorded when the Company recognizes revenue in advance of billings. Unbilled receivables generally relate to services contracts where a service has been performed and control has transferred, but invoicing to the customer is subject to future milestone billings or other contractual payment schedules. The Company classifies unbilled receivables as Accounts receivable.

Contract liabilities

A contract liability is an obligation to transfer products or services to a customer for which the Company has received consideration, or the amount is due, from the customer. The Company's contract liabilities primarily consist of deferred revenue and customer deposits. Deferred revenue is recorded when amounts invoiced to customers are in excess of revenue that can be recognized because performance obligations have not been satisfied and control of the promised products or services has not transferred to the customer. Deferred revenue largely represents amounts invoiced in advance for product (hardware/software) support contracts, consulting projects and product sales where revenue cannot be recognized yet. Customer deposits largely represent payments received from customers in advance of the Company's completion of its contractual obligations. As customer acceptance milestones are met, the Company will recognize revenue and reduce the amount of contract liabilities.

Costs to obtain a contract with a customer

The Company capitalizes the incremental costs of obtaining a contract with a customer, primarily sales commissions, if the Company expects to recover those costs. The Company has elected, as a practical expedient, to expense the costs of obtaining a contract as incurred for contracts with terms of one year or less. The typical amortization periods used range from two to five years. The Company periodically reviews the capitalized sales commission costs for possible impairment losses. The amortization of capitalized costs to obtain a contract are included in Selling, general and administrative expense. Refer to Note 7, "Balance Sheet Details" for additional information.

Shipping and Handling

The Company includes costs related to shipping and handling in Cost of products.

Stock-Based Compensation

Stock-based compensation expense is based on the measurement date fair value of the award and is recognized only for those awards expected to meet the service and performance vesting conditions. Stock-based compensation expense for stock options and restricted stock units with only a service condition is recognized on a straight-line basis over the requisite service period of the award. For stock options and restricted stock units with both a service condition and a performance or market condition, the expense is recognized on a graded vesting basis over the requisite service period of the award. Stock-based compensation expense is determined at the aggregate grant level for service-based awards and at the individual vesting tranche level for awards with performance and/or market conditions. The forfeiture rate is estimated based on historical experience.

Retirement and Post-Retirement Plans

The Company has various defined benefit, other contributory and noncontributory, retirement and post-retirement plans. The costs and obligations for these plans depend on various assumptions. Major assumptions relate primarily to discount rates, mortality rates, expected increases in compensation levels and the expected long-term return on plan assets. These assumptions vary by plan, and the weighted-average rates used are set forth in Note 4, "Retirement and Post-Retirement Benefit Plans."

The discount rate assumption is based on current investment yields of high-quality fixed-income securities with maturities similar to the expected benefits payment period. Mortality rates help predict the expected life of plan participants and are based on a historical demographic study of the plan. The expected increase in the compensation levels assumption reflects long-term actual experience and future expectations. The expected long-term return on plan assets is determined based on asset allocations, historical portfolio results, historical asset correlations and management's expected returns for each asset class. In any fiscal year, significant differences may arise between the actual return and the expected long-term return on plan assets. Historically, differences between the actual return and expected long-term return on plan assets have resulted from changes in target or actual asset allocation, short-term performance relative to expected long-term performance, and to a lesser extent, differences between target and actual investment allocations, the timing of benefit payments compared to expectations, and the use of derivatives intended to effect asset allocation changes or hedge certain investment or liability exposures.

The following table provides the impact changes in the weighted-average assumptions of discount rates, the expected increase in compensation levels and the expected long-term return on plan assets would have had on the net periodic benefit cost for fiscal 2024:

	Change in basis points	Change in Net Periodic Benefit Cost In millions
Assumptions:		
Discount rate	(25)	\$ 17
Expected increase in compensation levels	25	3
Expected long-term return on plan assets	(25)	\$ 25

The Company generally amortizes unrecognized actuarial gains and losses on a straight-line basis over the average remaining estimated service life or, in the case of closed plans, life expectancy of participants. In limited cases, actuarial gains and losses are amortized using the corridor approach.

Advertising

Costs to produce advertising are expensed as incurred during production. Costs to communicate advertising are expensed when the advertising is first run. Advertising expense totaled approximately \$117 million, \$173 million, and \$179 million in fiscal 2024, 2023, and 2022, respectively.

Restructuring

The Company's transformation programs include charges to approved restructuring plans. Restructuring charges include severance costs to eliminate a specified number of employees, infrastructure charges to vacate facilities and consolidate operations, and contract cancellation costs. These restructuring actions require management to estimate the timing and amount of severance and other employee separation costs for workforce reduction and enhanced early retirement programs, the fair value of assets made redundant or obsolete, and the value of lease and contract cancellation and other exit costs. The Company records restructuring charges based on estimated employee terminations and site closure and consolidation plans. The Company accrues for severance and other employee separation costs under these actions when it is probable that benefits will be paid and the amount is reasonably estimable. The rates used in determining severance accruals are based on existing plans, historical experiences and negotiated settlements. For a full description of the Company's restructuring actions, refer to the discussions in Note 3, "Transformation Programs."

Taxes on Earnings

The Company recognizes deferred tax assets and liabilities for the expected tax consequences of temporary differences between the tax bases of assets and liabilities and their reported amounts using enacted tax rates in effect for the year the differences are expected to reverse.

The Company records a valuation allowance to reduce deferred tax assets to the amount that is more likely than not to be realized. In determining the need for a valuation allowance, the Company considers future market growth, forecasted earnings, future sources of taxable income, the mix of earnings in the jurisdictions in which the Company operates, and prudent and feasible tax planning strategies. In the event the Company were to determine that it is more likely than not that the Company will be unable to realize all or part of its deferred tax assets in the future, the Company would increase the valuation allowance and recognize a corresponding charge to earnings in the period in which such a determination was made. Likewise, if the Company later determines that the deferred tax assets are more likely than not to be realized, the Company would reverse the applicable portion of the previously recognized valuation allowance. In order for the Company to realize deferred tax assets, the Company must be able to generate sufficient taxable income, of the appropriate character, in the jurisdictions in which the deferred tax assets are located, prior to their expiration under applicable tax laws.

The Company records accruals for uncertain tax positions when the Company believes that it is not more likely than not that the tax position will be sustained on examination by the taxing authorities based on the technical merits of the position. The provision for income taxes includes the effects of adjustments for uncertain tax positions as well as any related interest and penalties. The Company recognizes interest income from favorable settlements and interest expense and penalties accrued on unrecognized tax benefits in Provision for taxes in the Consolidated Statements of Earnings.

The Company is subject to the Global Intangible Low Taxed Income ("GILTI") tax in the U.S. The Company elected to treat taxes on future GILTI inclusions in U.S. taxable income as a current period expense when incurred.

Allowance for Doubtful Accounts

Accounts Receivable

The allowance for expected credit losses related to accounts receivable is comprised of a general reserve and a specific reserve. The Company may record a specific reserve for individual accounts when the Company becomes aware of specific customer circumstances, such as in the case of a bankruptcy filing or deterioration in the customer's operating results or financial position. If there are additional changes in circumstances related to the specific customer, the Company further adjusts estimates of the recoverability of receivables. The Company maintains an allowance for credit losses for all other

customers based on a variety of factors, including the financial condition of customers and the length of time receivables are past due. These qualitative factors are subjective and require a degree of management judgment. The past due or delinquency status of a receivable is based on the contractual payment terms of the receivable. The Company establishes an allowance for expected credit losses related to accounts receivable, including unbilled receivables.

Financing Receivable

The allowance for expected credit losses related to financing receivables is comprised of a general reserve and a specific reserve. The Company establishes a specific reserve for financing receivables with identified exposures, such as customer defaults, bankruptcy or other events, that make it unlikely the Company will recover its investment. For individually evaluated receivables, the Company determines the expected cash flow for the receivable, which includes consideration of estimated proceeds from disposition of the collateral and calculates an estimate of the potential loss and the probability of loss. For those accounts where a loss is considered probable, the Company records a specific reserve. The Company maintains a general reserve using a credit loss model on a regional basis and bases such percentages on several factors, including consideration of historical credit losses and portfolio delinquencies, trends in the overall weighted-average risk rating of the portfolio, current economic conditions, and forward-looking information, including reasonable and supportable forecasts. The Company excludes accounts evaluated as part of the specific reserve from the general reserve analysis. The Company generally writes off a receivable or records a specific reserve when a receivable becomes 180 days past due, or sooner if the Company determines that the receivable is not collectible.

Non-Accrual and Past-Due Financing Receivables

The Company considers a financing receivable to be past due when the minimum payment is not received by the contractually specified due date. The Company generally places financing receivables on non-accrual status, which is the suspension of interest accrual, and considers such receivables to be non-performing at the earlier of the time at which full payment of principal and interest becomes doubtful or the receivable becomes 90 days past due. Subsequently, the Company may recognize revenue on non-accrual financing receivables as payments are received, which is on a cash basis, if the Company deems the recorded financing receivable to be fully collectible; however, if there is doubt regarding the ultimate collectability of the recorded financing receivable, all cash receipts are applied to the carrying amount of the financing receivable, which is the cost recovery method. In certain circumstances, such as when the Company deems a delinquency to be of an administrative nature, financing receivables may accrue interest after becoming 90 days past due. The non-accrual status of a financing receivable may not impact a customer's risk rating. After all of a customer's delinquent principal and interest balances are settled, the Company may return the related financing receivable to accrual status.

Concentrations of Risk

Financial instruments that potentially subject the Company to significant concentrations of credit risk consist principally of cash, cash equivalents and restricted cash, investments, receivables from trade customers and contract manufacturers, financing receivables and derivatives.

The Company maintains cash, cash equivalents and restricted cash, investments, derivatives, and certain other financial instruments with various financial institutions. These financial institutions are located in many different geographic regions, and the Company's policy is designed to limit exposure from any particular institution. As part of its risk management processes, the Company performs periodic evaluations of the relative credit standing of these financial institutions. The Company has not sustained material credit losses from instruments held at these financial institutions. The Company utilizes derivative contracts to protect against the effects of foreign currency and interest rate exposures. Such contracts involve the risk of non-performance by the counterparty, which could result in a material loss. For more details on the collateral program, see Note 13, "Financial Instruments."

Credit risk with respect to accounts receivable from trade customers and financing receivables is generally diversified due to the large number of entities comprising the Company's customer base and their dispersion across many different industries and geographic regions. The Company performs ongoing credit evaluations of the financial condition of its customers and may require collateral, such as letters of credit and bank guarantees, in certain circumstances. As of October 31, 2024 and 2023 no single customer accounted for more than 10% of the Company's receivable from trade customers and financing receivables.

Restricted Cash

Restricted cash is included within Other current assets in the accompanying Consolidated Balance Sheets and is primarily related to cash received under the Company's collateral securities agreements for its derivative instruments and cash restricted under the fixed-term securitization program for the issuance of asset-backed debt securities.

Inventory

The Company values inventory at the lower of cost or net realizable value. Cost is computed using standard cost which approximates actual cost on a first-in, first-out basis. At each reporting period, the Company assesses the value of its inventory and writes down the cost of inventory to its net realizable value if required, for estimated excess or obsolescence. Factors influencing these adjustments include changes in future demand forecasts, market conditions, technological changes, product life-cycle and development plans, component cost trends, product pricing, physical deterioration, and quality issues. If in any period the Company anticipates a change in those factors to be less favorable than its previous estimates, additional inventory write-downs may be required and could materially impact gross margin. The write down for excess or obsolescence is charged to the provision of inventory, which is a component of Cost of Products and Cost of Services in the Consolidated Statements of Earnings. At the point of the loss recognition, a new, lower cost basis for that inventory is established, and subsequent changes in facts and circumstances do not result in the restoration or increase in that newly established cost basis.

Property, Plant and Equipment, net

The Company states property, plant and equipment at cost less accumulated depreciation. The Company capitalizes additions and improvements and expenses maintenance and repairs as incurred. Depreciation expense is recognized on a straight-line basis over the estimated useful lives of the assets. Estimated useful lives are five to 40 years for buildings and improvements and three to 15 years for machinery and equipment. The Company depreciates leasehold improvements over the life of the lease or the asset, whichever is shorter. The Company depreciates equipment held for lease over the initial term of the lease to the equipment's estimated residual value. The estimated useful lives of assets used solely to support a customer services contract generally do not exceed the term of the customer contract. On retirement or disposition, the asset cost and related accumulated depreciation are removed from the Consolidated Balance Sheets with any gain or loss recognized in the Consolidated Statements of Earnings.

The Company capitalizes certain internal and external costs incurred to acquire or create internal use software, principally related to software coding, designing system interfaces and installation and testing of the software. The Company amortizes capitalized internal use software costs using the straight-line method over the estimated useful lives of the software, generally from three to five years.

Leases

Lessee Accounting

The Company enters into various leases as a lessee for assets including office buildings, data centers, vehicles, and aviation. The Company determines if an arrangement is a lease at inception. An arrangement contains a lease when the arrangement conveys the right to control the use of an identified asset over the lease term. Upon lease commencement, the Company records a lease liability for the obligation to make lease payments and right-of-use ("ROU") asset for the right to use the underlying asset for the lease term in the Consolidated Balance Sheets. The lease liability is measured at commencement date based on the present value of lease payments not yet paid over the lease term and the Company's incremental borrowing rate. As most of the Company's leases do not provide an implicit rate, the Company uses an incremental borrowing rate which approximates the rate at which the Company would borrow, on a secured basis, in the country where the lease was executed. The ROU asset is based on the lease liability, adjusted for lease prepayments, lease incentives received, and the lessee's initial direct costs. Fixed payments are included in the recognition of ROU assets and liabilities, while non-lease components, such as maintenance or utility charges are expensed as incurred. The Company has agreements with lease and non-lease components that are accounted for separately and not included in its leased assets and corresponding liabilities for the majority of the Company's lease agreements. The Company allocates consideration to the lease and non-lease components using their relative standalone values. The lease term may include options to extend or to terminate the lease that the Company is reasonably certain to exercise. The Company has elected not to record leases with an initial term of twelve months or less on the Consolidated Balance Sheets.

For finance leases, the ROU asset is amortized on a straight-line basis over the shorter of the useful life of the asset or the lease term. Interest expense on the lease liability is recorded separately using the interest method. For operating leases, lease expense is generally recognized on a straight-line basis over the lease term.

Lessor Accounting

The Company's lease offerings are non-cancelable and the payment schedule primarily consists of fixed payments. Variable payments that are based on an index are included in lease receivables. The Company allocates consideration amongst lease components and non-lease components on a relative standalone selling price basis, when lease arrangements include multiple performance obligations. At the end of the lease term, the Company allows the client to either return the equipment, purchase the equipment or renew the lease based on mutually agreed upon terms.

The Company retains a residual position in equipment through lease and finance agreements which is equivalent to an estimated market value. The residual amount is established prior to lease inception, based upon estimated equipment values at end of lease using product road map trends, historical analysis, future projections and remarketing experience. The Company's residual amounts are evaluated at least annually to assess the appropriateness of the carrying values. Any anticipated declines in specific future residual values that are considered to be other-than-temporary would be recorded in current earnings. The Company is able to optimize the recovery of residual values by selling equipment in place, extending lease arrangements on a fixed term basis, entering into a monthly usage rental term beyond the initial lease term, and selling lease returned equipment in the secondary market. The contractual lease agreement also identifies return conditions that ensures the leased equipment will be in good operating condition upon return minus any normal wear and tear. During the residual review process, product changes, product updates, as well as market conditions are reviewed and adjustments if other than temporary are made to residual values in accordance with the impact of any such changes. The remarketing sales organization closely manages the sale of equipment lease returns to optimize the recovery of outstanding residual by product.

Business Combinations

The Company includes the results of operations of acquired businesses in the Company's consolidated results prospectively from the date of acquisition. The Company allocates the fair value of purchase consideration to the assets acquired including in-process research and development ("IPR&D"), liabilities assumed, and non-controlling interests in the acquired entity based on their fair values at the acquisition date. IPR&D is initially capitalized at fair value as an intangible asset with an indefinite life and assessed for impairment thereafter. The excess of the fair value of purchase consideration over the fair value of the assets acquired, liabilities assumed and non-controlling interests in the acquired entity is recorded as goodwill. The primary items that generate goodwill include the value of the synergies between the acquired company and the Company and the value of the acquired assembled workforce, neither of which qualifies for recognition as an intangible asset. Acquisition-related expenses and post-acquisition restructuring costs are recognized separately from the business combination and are expensed as incurred.

Goodwill

The Company reviews goodwill for impairment annually and whenever events or changes in circumstances indicate the carrying amount of goodwill may not be recoverable. In evaluating goodwill for impairment, the Company has the option to first perform a qualitative test to determine whether further impairment testing is necessary or to perform a qualitative assessment by comparing the fair value of the reporting unit to its carrying amount. Under the qualitative assessment, the Company is not required to calculate the fair value of a reporting unit unless it determines that it is more likely than not that the fair value of a reporting unit is less than its carrying amount. Qualitative factors include, but are not limited to, the macroeconomic and industry environment as well as Company-specific factors. The Company elects to perform a quantitative test for all of its reporting units as part of its annual goodwill impairment assessment in the fourth quarter of each fiscal year.

In the quantitative assessment, the Company estimates the fair value of its reporting units using a weighting of fair values derived most significantly from the income approach, and to a lesser extent, the market approach. Under the income approach, the Company estimates the fair value of a reporting unit based on the present value of estimated future cash flows covering discrete forecast periods as well as terminal value determinations. The Company prepares cash flow projections based on management's estimates of revenue growth rates and operating margins, taking into consideration industry and market conditions. The Company bases the discount rate on the weighted-average cost of capital adjusted for the relevant risk associated with business-specific characteristics and the uncertainty related to the reporting unit's ability to execute on the projected cash flows. Under the market approach, the Company estimates fair value based on market multiples of revenue and earnings derived from comparable publicly traded companies with similar operating and investment characteristics as the reporting unit. The Company weights the fair value derived from the market approach commensurate with the level of comparability of these publicly traded companies to the reporting unit. When market comparables are not meaningful or not available, the Company estimates the fair value of a reporting unit using only the income approach.

If the fair value of a reporting unit exceeds the carrying amount of the net assets assigned to that reporting unit, goodwill is not impaired and no further testing is required. If the fair value of the reporting unit is less than its carrying amount, goodwill is impaired. The goodwill impairment loss is measured as the excess of the reporting unit's carrying value over its fair value (not to exceed the total goodwill allocated to that reporting unit).

Intangible Assets and Long-Lived Assets

The Company reviews intangible assets with finite lives, long-lived assets and ROU assets for impairment whenever events or changes in circumstances indicate the carrying amount of an asset may not be recoverable. For lease assets such circumstances would include a decision to abandon the use of all or part of an asset, or subleases that do not fully recover the costs of the associated lease. The Company assesses the recoverability of assets based on the estimated undiscounted future cash flows expected to result from the use and eventual disposition of the asset. If the undiscounted future cash flows are less than the carrying amount, the asset is impaired. The Company measures the amount of impairment loss, if any, as the difference between the carrying amount of the asset and its fair value using an income approach or, when available and appropriate, using a market approach. The Company amortizes intangible assets with finite lives using the straight-line method over the estimated economic lives of the assets, ranging from one to ten years. Intangible assets purchased as part of an acquisition are included in Intangible assets, net in the Consolidated Balance Sheets. All other separately purchased intangible assets are included in Long-term financing receivables and other assets in the Consolidated Balance Sheets.

Software development costs related to the development of new product offerings are capitalized subsequent to the establishment of technological feasibility, which is demonstrated by the completion of a detail program design or working model. Software development costs are included in Intangible assets, net in the Consolidated Balance Sheets. The Company amortizes capitalized costs on a straight-line basis over the estimated useful life of products, which is generally three years.

Equity Method Investments

Investments and ownership interests are accounted for under equity method accounting if the Company has the ability to exercise significant influence, but does not have a controlling financial interest. The Company records its interest in the net earnings of its equity method investees, along with adjustments for unrealized profits or losses on intra-entity transactions and amortization of basis differences, within Earnings from equity interests in the Consolidated Statements of Earnings. Profits or losses related to intra-entity sales with its equity method investees are eliminated until realized by the investor or investee. Basis differences represent differences between the cost of the investment and the underlying equity in net assets of the investment and are generally amortized over the lives of the related assets that gave rise to them. Equity method goodwill is not amortized or tested for impairment; instead the equity method investment is tested for impairment. The Company records its interest in the net earnings of its equity method investments based on the most recently available financial statements of the investees.

The carrying amount of the investment in equity interests is adjusted to reflect the Company's interest in net earnings, dividends received and other-than-temporary impairments. The Company reviews

for impairment whenever factors indicate that the carrying amount of the investment might not be recoverable. In such a case, the decrease in value is recognized in the period the impairment occurs in the Consolidated Statements of Earnings.

Equity Securities Investments

Equity securities investments with readily determinable fair values (other than those accounted for under the equity method or those that result in consolidation of the investee) are measured at fair value and any changes in fair value are recognized in Interest and other, net in the Consolidated Statements of Earnings. For equity investments without readily determinable fair values, the Company may elect to apply the measurement alternative or the fair value option. Under the measurement alternative investments are measured at cost, less impairment, and adjusted for qualifying observable price changes on a prospective basis. The Company reviews for impairment at each reporting period, assessing factors such as deterioration of earnings, adverse change in market/industry conditions, the ability to operate as a going concern, and other factors which indicate that the carrying amount of the investment might not be recoverable. In such a case, the decrease in value is recognized in the period the impairment occurs in the Consolidated Statements of Earnings. The Company elects the fair value option when it believes that it best reflects the underlying economics of the investment. These investments may be valued using third-party pricing services at each reporting date with changes in fair value recorded as a component of Interest and other, net in the Consolidated Statements of Earnings.

Debt Securities Investments

Debt securities are generally considered available-for-sale and are reported at fair value with unrealized gains and losses, net of applicable taxes, recorded in Accumulated other comprehensive loss in the Consolidated Balance Sheets. Realized gains and losses for available-for-sale securities are calculated based on the specific identification method and included in Interest and other, net in the Consolidated Statements of Earnings. The Company monitors its investment portfolio for potential impairment on a quarterly basis. When the carrying amount of an investment in debt securities exceeds its fair value and the decline in value is determined to be due to credit-related factors, the Company recognizes the impairment using an allowance for credit loss in

Interest and other, net, in the Consolidated Statements of Earnings, while the impairment that is not credit related is recorded in Accumulated other comprehensive loss in the Consolidated Balance Sheets.

Derivatives

The Company uses derivative financial instruments, primarily forwards, swaps, and, at times, options, to manage a variety of risks, including risks related to foreign currency and interest rate exposures. The Company does not use derivative financial instruments for speculative purposes.

The Company receives fair value to sell an asset or pay to transfer a liability in an orderly transaction between market participants at the measurement date. When prices in active markets are not available for an identical asset or liability, the Company generally uses industry standard valuation models to measure the fair value of derivative positions. Such measurements involve projecting future cash flows and discounting the future amounts to present value using market based observable inputs, including interest rate curves, Company and counterparty credit risk, foreign currency exchange rates, and forward and spot prices. In the absence of such data, the Company will use internal information that is consistent with what market participants would use in a hypothetical transaction that occurs at the measurement date. The determination of fair value often involves significant judgments about assumptions such as determining an appropriate discount rate that factors in both risk and liquidity premiums, identifying the similarities and differences in market transactions, weighting those differences accordingly and then making the appropriate adjustments to those market transactions to reflect the risks specific to the asset or liability being valued.

For a further discussion of fair value measurements and derivative instruments, refer to Note 12, "Fair Value" and Note 13, "Financial Instruments," respectively.

Contingencies

The Company is involved in various lawsuits, claims, investigations, and proceedings that arise in the ordinary course of business. The Company records a liability for contingencies when it believes it is both probable that a liability has been incurred and the amount of the loss can be reasonably estimated. The Company does not record gain contingencies until realized. See Note 17, "Litigation, Contingencies, and Commitments," for a full description of the Company's contingencies.

Warranties

The Company accrues the estimated cost of product warranties at the time of recognizing revenue. The Company's standard product warranty terms generally include post-sales support and repairs or replacement of a product at no additional charge for a specified period of time. The Company engages in extensive product quality programs and processes, including actively monitoring and evaluating the quality of its component suppliers. The estimated warranty obligation is based on contractual warranty terms, repair costs, product call rates, average cost per call, current period product shipments and ongoing product failure rates, as well as specific product class failure outside of the Company's baseline experience. Warranty terms generally range from one to five years for parts and labor, depending upon the product. For certain networking products, the Company offers a lifetime warranty. Over the last three fiscal years, the annual warranty expense has averaged approximately 1.1% of annual net product revenue. Refer to Note 7, "Balance Sheet Details," for additional information.

Recently Enacted Accounting Pronouncements

In November 2024, the FASB issued guidance to provide disaggregated expense disclosures in the Consolidated Financial Statements. The Company is required to adopt the guidance for its annual period ending October 31, 2028 and all interim periods thereafter, though early adoption is permitted. The Company is currently evaluating the impact of this amendment on its Consolidated Financial Statements.

In December 2023, the FASB issued guidance to provide disaggregated income tax disclosures on the rate reconciliation and income taxes paid. The Company is required to adopt the guidance in the first quarter of fiscal 2026, though early adoption is permitted. The Company is currently evaluating the impact of this amendment on its Consolidated Financial Statements.

In November 2023, the FASB issued guidance to improve the disclosures about a public entity's reportable segments and address requests from investors for additional, more detailed information about a reportable segment's expenses. The Company will adopt this guidance for its annual period ending October 31, 2025 and all interim periods thereafter. The Company does not expect the adoption of this guidance to have a significant impact on its Consolidated Financial Statements.

[XML 29 R12.htm IDEA: XBRL DOCUMENT](#)

Segment Information

[Segment Reporting](#)
[\[Abstract\]](#)
[Segment Information](#)

12 Months Ended
Oct. 31, 2024

Segment Information

Hewlett Packard Enterprise's operations are organized into five segments for financial reporting purposes: Server, Hybrid Cloud, Intelligent Edge, Financial Services ("FS"), and Corporate Investments and Other. Hewlett Packard Enterprise's organizational structure is based on a number of factors that the Chief Operating Decision Maker ("CODM"), who is the Chief Executive Officer, uses to evaluate, view and run the Company's business operations, which include, but are not limited to, customer base and homogeneity of products and technology. The five segments are based on this organizational structure and information reviewed by Hewlett Packard Enterprise's management to evaluate segment results. A summary of the types of products and services within each segment is as follows:

Server consists of general-purpose servers for multi-workload computing and workload-optimized servers to deliver the best performance and value for demanding applications, and integrated systems comprised of software and hardware designed to address High-Performance Computing and Supercomputing (including exascale applications), Artificial Intelligence ("AI"), Data Analytics, and Transaction Processing workloads for government and commercial customers globally. This portfolio of products includes the secure and versatile HPE ProLiant Rack and Tower servers; HPE Synergy, a composable infrastructure for traditional and cloud-native applications; HPE Scale Up Servers product lines for critical applications, including large enterprise software applications and data analytics platforms; HPE Edgeline servers; HPE Cray EX; HPE Cray XD (formerly known as HPE Apollo); and HPE NonStop. Server offerings also include operational and support services sold with systems and as standalone services.

Hybrid Cloud offers a wide variety of cloud-native and hybrid solutions across storage, private cloud and the infrastructure SaaS space. Storage includes data storage and data management offerings with the HPE Alletra Storage portfolio; unstructured data solutions and analytics for AI; data protection and archiving; and storage networking. It also includes AI/ops-driven intelligence with HPE InfoSight and HPE CloudPhysics. In private cloud, the HPE GreenLake offerings include new cloud-native offerings and capabilities for virtual machines, containers, and bare metal; a full suite of private cloud offerings that enable customers to self-manage or choose a fully managed experience; and a portfolio of world-class AI infrastructure delivered aaaS. This segment also provides self-service private cloud on-demand with HPE GreenLake for Private Cloud Business Edition. Infrastructure software includes monitoring and observability for day two operations and beyond through the Company's acquisition of OpsRamp and unified data access through HPE Ezmeral Data Fabric and analytics suite, which helps move and transform data for use in AI and other applications. Hybrid Cloud segment also includes data lifecycle management and protection through its suite of offerings, including Zerto Disaster Recovery.

Intelligent Edge offers wired and wireless local area networks, campus, branch, and data center switching, software-defined wide-area-networks, private and public cellular network software, network security, and associated services that enable secure connectivity for businesses of any size. The HPE Aruba Networking product portfolio includes hardware products such as Wi-Fi access points, switches, and gateways. The HPE Aruba Networking software and services portfolio includes cloud-based management, network management, network access control, software-defined wide-area networking, network security, analytics and assurance, location services software, private and public cellular core software, and professional and support services, as well as aaaS and consumption models through the HPE GreenLake cloud for the Intelligent Edge portfolio of products. Intelligent Edge offerings are consolidated in the edge service platform, which takes a cloud-native approach that provides customers with a unified framework to meet their connectivity, security, and financial needs across campus, branch, data center, and remote worker environments.

Financial Services provides flexible investment solutions, such as leasing, financing, IT consumption, utility programs, and asset management services for customers that facilitate unique technology deployment models and the acquisition of complete IT solutions, including hardware, software, and services from Hewlett Packard Enterprise and others. FS also supports financial solutions for on-premise flexible consumption models, such as the HPE GreenLake cloud.

Corporate Investments and Other includes the Advisory and Professional Services ("A & PS") business, which primarily offers consultative-led services, HPE and partner technology expertise and advice, implementation services as well as complex solution engagement capabilities; CMS, which primarily offers software and related services to the telecommunications industry; and Hewlett Packard Labs, which is responsible for research and development.

Segment Policy

Hewlett Packard Enterprise derives the results of its business segments directly from its internal management reporting system. The accounting policies that Hewlett Packard Enterprise uses to derive segment results are substantially the same as those the consolidated company uses. The CODM measures the performance of each segment based on several metrics, including earnings from operations. The CODM uses these results, in part, to evaluate the performance of, and to allocate resources to each of the segments.

Segment revenue includes revenues from sales to external customers and intersegment revenues that reflect transactions between the segments on an arm's-length basis. Intersegment revenues primarily consist of sales of hardware and software that are sourced internally and, in the majority of the cases, are financed as operating leases by FS to the Company's customers. Hewlett Packard Enterprise's consolidated net revenue is derived and reported after the elimination of intersegment revenues from such arrangements.

Financing cost in the Consolidated Statements of Earnings reflects interest expense on borrowing and funding-related activity associated with FS and its subsidiaries, and debt issued by Hewlett Packard Enterprise for which a portion of the proceeds benefited FS.

Hewlett Packard Enterprise does not allocate to its segments certain operating expenses, which it manages at the corporate level. These unallocated operating costs include certain corporate costs and eliminations, stock-based compensation expense, amortization of intangible assets, impairment of goodwill, transformation costs, disaster recovery/charges, divestiture related exit costs, and acquisition, disposition and other related charges. Total assets by segment are not presented as that information is not used to allocate resources or assess performance at the segment level and is not reviewed by the CODM.

Segment Operating Results

	Server	Hybrid Cloud	Intelligent Edge	Financial Services	Corporate Investments and Other	Total
	In millions					
Fiscal 2024						
Net revenue	\$ 15,931	\$ 5,172	\$ 4,501	\$ 3,509	\$ 1,014	\$ 30,127
Intersegment net revenue	274	214	31	3	—	522
Total segment net revenue	\$ 16,205	\$ 5,386	\$ 4,532	\$ 3,512	\$ 1,014	\$ 30,649
Segment earnings (loss) from operations	\$ 1,818	\$ 245	\$ 1,115	\$ 316	\$ (25)	\$ 3,469
Fiscal 2023						
Net revenue	\$ 13,926	\$ 5,396	\$ 5,362	\$ 3,466	\$ 985	\$ 29,135
Intersegment net revenue	435	97	17	14	—	563
Total segment net revenue	\$ 14,361	\$ 5,493	\$ 5,379	\$ 3,480	\$ 985	\$ 29,698
Segment earnings (loss) from operations	\$ 1,830	\$ 232	\$ 1,343	\$ 281	\$ (77)	\$ 3,609
Fiscal 2022						
Net revenue	\$ 15,137	\$ 5,173	\$ 3,849	\$ 3,326	\$ 1,011	\$ 28,496
Intersegment net revenue	335	60	8	13	1	417
Total segment net revenue	\$ 15,472	\$ 5,233	\$ 3,857	\$ 3,339	\$ 1,012	\$ 28,913
Segment earnings (loss) from operations	\$ 1,958	\$ 468	\$ 542	\$ 387	\$ (26)	\$ 3,329

The reconciliation of segment operating results to Consolidated Statement of Earnings results was as follows:

	For the fiscal years ended October 31,		
	2024	2023	2022
	In millions		
Net Revenue:			
Total segments	\$ 30,649\$	29,698\$	28,913
Elimination of intersegment net revenue	(522)	(563)	(417)
Total consolidated net revenue	\$ 30,127\$	29,135\$	28,496
Earnings Before Taxes:			
Total segment earnings from operations	\$ 3,469\$	3,609\$	3,329
Unallocated corporate costs and eliminations	(301)	(464)	(303)
Stock-based compensation expense	(430)	(428)	(391)
Amortization of initial direct costs	—	—	(4)
Amortization of intangible assets	(267)	(288)	(293)
Impairment of goodwill	—	—	(905)
Transformation costs	(93)	(283)	(473)
Disaster recovery (charges)	51	12	(159)
Divestiture related exit costs	(35)	—	—
Acquisition, disposition and other related charges	(204)	(69)	(19)
Interest and other, net	(117)	(104)	(121)
Gain on sale of equity interest	733	—	—
Earnings from equity interests	147	245	215
Total earnings before provision for taxes	\$ 2,953\$	2,230\$	876

Major Customers

The Company had two distributors which represented approximately 14% and 11% of the Company's total net revenue in fiscal 2024, primarily within the Intelligent Edge and Server segments. The Company had one customer, which is a distributor, that represented 11% of the Company's total net revenue in fiscal 2023, primarily within the Intelligent Edge and Server segments. No single customer represented 10% or more of the Company's total net revenue in fiscal year 2022.

Geographic Information

Net revenue by country is based upon the sales location that predominately represents the customer location. For each of the fiscal years of 2024, 2023 and 2022, other than the U.S., no country represented more than 10% of the Company's net revenue.

Net revenue by geographic region was as follows:

	For the fiscal years ended October 31,		
	2024	2023	2022
	In millions		
Americas			
U.S.	\$ 10,890	\$ 10,369	\$ 9,425
Americas excluding U.S.	2,345	2,208	1,964
Total Americas	13,235	12,577	11,389
Europe, Middle East and Africa	10,189	10,151	10,292
Asia Pacific and Japan	6,703	6,407	6,815
Total consolidated net revenue	\$ 30,127	\$ 29,135	\$ 28,496

Property, plant and equipment, net by country in which the Company's operates was as follows:

	As of October 31	
	2024	2023
	In millions	
U.S.	\$ 2,616	\$ 2,803
Other countries	3,048	3,186
Total property, plant and equipment, net	\$ 5,664	\$ 5,989

[XML 30 R13.htm IDEA: XBRL DOCUMENT](#)

Transformation Programs

Restructuring and Related Activities [Abstract]

Transformation Programs

12 Months Ended Oct. 31, 2024

Transformation Programs

Transformation programs are comprised of the Cost Optimization and Prioritization Plan and the HPE Next Plan. During the third quarter of fiscal 2020, the Company launched the Cost Optimization and Prioritization Plan which focuses on realigning the workforce to areas of growth, a new hybrid workforce model called Edge-to-Office, real estate strategies and simplifying and evolving the Company's product portfolio strategy. The transformation costs predominantly related to labor restructuring, non-labor restructuring, IT investments, design and execution charges and real estate initiatives. The primary elements of the Cost Optimization and Prioritization Plan were completed by the end of fiscal 2024.

During the third quarter of fiscal 2017, the Company launched the HPE Next Plan to put in place a purpose-built company designed to compete and win in the markets where it participates. Through this program, the Company is simplifying the operating model, and streamlining its offerings, business processes and business systems to improve its strategy execution. The primary elements of the HPE Next Plan were completed by the end of fiscal 2024.

Cost Optimization and Prioritization Plan

The components of the transformation costs relating to the Cost Optimization and Prioritization Plan were as follows:

	For the fiscal years ended October 31,		
	2024	2023	2022
	In millions		
Program management	\$ 2	\$ 9	\$ 27
IT costs	13	26	26
Restructuring charges	32	226	201
Total	\$ 47	\$ 261	\$ 254

HPE Next Plan

The components of transformation costs relating to HPE Next Plan were as follows:

	For the fiscal years ended October 31,		
	2024	2023	2022
	In millions		
Program management	\$ 1	\$ —	\$ 7
IT costs	47	91	184
Restructuring charges	1	16	13
Gains on real estate sales	—	(85)	(8)
Impairment on real estate assets	—	—	11
Other	—	3	13
Total	\$ 49	\$ 25	\$ 220

Restructuring Plans

On May 19, 2020, the Company's Board of Directors approved a restructuring plan in connection with the Cost Optimization and Prioritization Plan which primarily related to labor restructuring and real estate site exits under non-labor restructuring. The changes to the workforce varied by country, based on business needs, local legal requirements and consultations with employee works councils and other employee representatives, as appropriate.

On October 16, 2017, the Company's Board of Directors approved a restructuring plan in connection with the HPE Next Plan, and on September 20, 2018, the Company's Board of Directors approved a revision to that restructuring plan. Headcount exits under the HPE Next Plan were substantially complete as of October 31, 2020. Other restructuring actions primarily related to infrastructure were substantially complete as of October 31, 2022.

Restructuring activities related to the Company's employees and infrastructure under the Cost Optimization and Prioritization Plan and HPE Next Plan are presented in the table below:

	Cost Optimization and Prioritization Plan		HPE Next Plan	
	Employee Severance	Infrastructure and other	Employee Severance	Infrastructure and other
	In millions			
Liability as of October 31, 2023	\$ 152	\$ 127	\$ 6	\$ 27
Charges	30	2	—	1
Cash payments	(113)	(38)	(5)	(7)
Non-cash items	(2)	3	(1)	2
Liability as of October 31, 2024	\$ 67	\$ 94	\$ —	\$ 23
Total costs incurred to date as of October 31, 2024	\$ 823	\$ 563	\$ 1,267	\$ 271
Total expected costs to be incurred as of October 31, 2024	\$ 823	\$ 563	\$ 1,267	\$ 271

The current restructuring liability related to the transformation programs, reported in the Consolidated Balance Sheets as of October 31, 2024 and 2023, was \$61 million and \$180 million, respectively, in Accrued restructuring, and \$17 million and \$22 million, respectively, in Other accrued liabilities. The non-current restructuring liability related to the transformation programs, reported in Other non-current liabilities in the Consolidated Balance Sheets as of October 31, 2024 and 2023 was \$106 million and \$110 million, respectively.

[XML 31 R14.htm IDEA: XBRL DOCUMENT](#)

Retirement and Post-Retirement Benefit Plans

Retirement Benefits [Abstract]

Retirement and Post-Retirement Benefit Plans

12 Months Ended Oct. 31, 2024

Retirement and Post-Retirement Benefit Plans

Defined Benefit Plans

The Company sponsors defined benefit pension plans worldwide, the most significant of which are the United Kingdom ("UK") and Germany plans. The pension plan in the UK is closed to new entrants, and the plan was frozen October 31, 2024. This plan provides benefits based on final pay and years of service and generally requires contributions from members. The German pension program that is open to new hires consists of cash balance plans that provide employer credits as a percentage of pay, certain employee pay deferrals and employer matching contributions. There also are previously closed German pension programs that include cash balance and final average pay plans. These previously closed pension programs comprise the majority of the pension obligations in Germany.

Post-Retirement Benefit Plans

The Company sponsors retiree health and welfare benefit plans, the most significant of which is in the U.S. Generally, employees hired before August 2008 are eligible for employer credits under the Hewlett Packard Enterprise Retirement Medical Savings Account Plan ("RMSA") upon attaining age 45. Employer credits to the RMSA available after September 2008 are provided in the form of matching credits on employee contributions made to a voluntary employee beneficiary association. Upon retirement, employees may use these employer credits for the reimbursement of certain eligible medical expenses.

Defined Contribution Plans

The Company offers various defined contribution plans for U.S. and non-U.S. employees. The Company's defined contribution expense was approximately \$206 million in fiscal 2024 and 2023, and \$196 million in fiscal 2022. U.S. employees are automatically enrolled in the Hewlett Packard Enterprise Company 401(k) Plan ("HPE 401(k) Plan"), when they meet eligibility requirements, unless they decline participation. The HPE 401(k) Plan's quarterly employer matching contributions are 100% of an employee's contributions, up to a maximum of 4% of eligible compensation.

Pension Benefit Expense

The Company's net pension and post-retirement benefit costs that were directly attributable to the eligible employees, retirees and other former employees of Hewlett Packard Enterprise and recognized in the Consolidated Statements of Earnings for fiscal 2024, 2023 and 2022 are presented in the table below.

	For the fiscal years ended October 31,					
	2024	2023	2022	2024	2023	2022
	Defined Benefit Plans			Post-Retirement Benefit Plans		
	In millions					
Service cost	\$ 49	\$ 53	\$ 78	\$ 1	\$ 1	\$ 1
Interest cost ⁽¹⁾	408	386	154	9	8	4
Expected return on plan assets ⁽¹⁾	(550)	(539)	(450)	(4)	(2)	(2)
Amortization and Deferrals ⁽¹⁾ :						
Actuarial loss (gain)	148	160	167	(4)	(6)	(2)
Prior service benefit	(8)	(10)	(10)	—	—	—
Net periodic benefit cost (credit)	47	50	(61)	2	1	1
Settlement loss and special termination benefits ⁽¹⁾	4	6	5	—	—	—
Total net benefit cost (credit)	\$ 51	\$ 56	\$ (56)	\$ 2	\$ 1	\$ 1

(1) These non-service components were included in Interest and other, net in the Consolidated Statements of Earnings.

The weighted-average assumptions used to calculate the net benefit cost (credit) in the table above for fiscal 2024, 2023 and 2022 were as follows:

	For the fiscal years ended October 31,					
	2024	2023	2022	2024	2023	2022
	Defined Benefit Plans			Post-Retirement Benefit Plans		
Discount rate used to determine benefit obligation	4.4 %	3.9 %	1.3 %	6.5 %	6.0 %	3.0 %
Discount rate used to determine service cost	4.7 %	4.2 %	1.7 %	6.1 %	5.7 %	2.7 %
Discount rate used to determine interest cost	4.4 %	3.9 %	1.1 %	6.4 %	5.9 %	2.6 %
Expected increase in compensation levels	2.9 %	3.0 %	2.6 %	—	—	—
Expected long-term return on plan assets	5.5 %	5.1 %	3.2 %	5.3 %	4.3 %	3.3 %
Interest crediting rate ⁽¹⁾	2.4 %	2.4 %	2.5 %	5.3 %	4.3 %	2.7 %

(1) The average assumed interest credited for HPE's cash balance plans and post-retirement plans, as applicable.

To estimate the service and interest cost components of net periodic benefit cost for defined benefit plans that use the yield curve approach, which represent substantially all of the Company's defined benefit plans, the Company has elected to use a full yield curve approach in the estimation of these components of benefit cost by applying the specific spot rates along the yield curve used in the determination of the benefit obligation to the relevant projected cash flows.

Funded Status

The funded status of the plans was as follows:

	As of October 31,							
	2024		2023		2023			
	Defined Benefit Plans		Post-Retirement Benefit Plans					
	In millions							
Change in fair value of plan assets:								
Fair value—beginning of year	\$	9,879	\$	9,915	\$	68	\$	60
Reimbursement of benefit payments ⁽¹⁾		(90)		(82)		—		—
Actual return on plan assets		1,207		(315)		5		4
Employer contributions		172		179		4		6
Participant contributions		26		24		6		7
Benefits paid		(509)		(449)		(7)		(9)
Settlement		(18)		(29)		—		—
Currency impact		340		636		—		—
Fair value—end of year	\$	11,007	\$	9,879	\$	76	\$	68
Change in benefit obligation:								
Projected benefit obligation—beginning of year	\$	9,362	\$	9,517	\$	148	\$	138
Addition/deletion of plans ⁽²⁾		—		1		—		—
Service cost		49		53		1		1
Interest cost		408		386		9		8
Participant contributions		26		24		6		7
Actuarial loss (gain)		613		(756)		7		3
Benefits paid		(509)		(449)		(7)		(9)
Plan amendments		4		—		—		—
Settlement		(18)		(29)		—		—
Special termination benefits		2		2		—		—
Currency impact		319		613		(2)		—
Projected benefit obligation—end of year ⁽³⁾	\$	10,256	\$	9,362	\$	162	\$	148
Funded status at end of year	\$	751	\$	517	\$	(86)	\$	(80)
Accumulated benefit obligation		10,130	\$	9,233		—	\$	—

(1) For benefit payments reimbursed to HPE from the German Contractual Trust Arrangements.

(2) Includes the addition/deletion of plans resulting from acquisitions.

(3) HPE divested \$13 million in projected benefit obligation and \$7 million in assets due to the Communications Technology Group ("CTG") divestiture that occurred on December 1, 2024.

For the year ended October 31, 2024, the benefit obligation increased from \$9.4 billion to \$10.3 billion primarily due to the effects of decreasing discount rates. The increase was partially offset by benefits paid which reduced benefit obligations. Pension assets increased from \$9.9 billion to \$11.0 billion as assets performed better than expected. The increase was partially offset by benefits paid from plan assets.

The weighted-average assumptions used to calculate the projected benefit obligations were as follows:

	As of October 31,			
	2024	2023	2024	2023
	Defined Benefit Plans		Post-Retirement Benefit Plans	
Discount rate	3.8 %	4.4 %	5.6 %	6.5 %
Expected increase in compensation levels	2.6 %	2.9 %	—	—
Interest crediting rate	2.5 %	2.4 %	4.8 %	5.3 %

The net amounts recognized for defined benefit and post-retirement benefit plans in the Company's Consolidated Balance Sheets were as follows:

	As of October 31,			
	2024	2023	2024	2023
	Defined Benefit Plans		Post-Retirement Benefit Plans	
		In millions		
Non-current assets	\$ 1,555	\$ 1,313	\$ —	\$ —
Current liabilities	(52)	(51)	(6)	(8)
Non-current liabilities	(752)	(745)	(80)	(72)
Funded status at end of year	\$ 751	\$ 517	\$ (86)	\$ (80)

The following table summarizes the pre-tax net actuarial loss and prior service benefit recognized in accumulated other comprehensive loss for the defined benefit plans, activity for the post-retirement benefit plans were immaterial:

	As of October 31, 2024	
	Defined Benefit Plans	
	In millions	
Net actuarial loss	\$ 2,478	
Prior service benefit	14	
Total recognized in accumulated other comprehensive loss	\$ 2,492	

Defined benefit plans with projected benefit obligations exceeding the fair value of plan assets were as follows:

	As of October 31,	
	2024	2023
	In millions	
Aggregate fair value of plan assets	\$ 506	\$ 1,969
Aggregate projected benefit obligation	\$ 1,212	\$ 2,765

Defined benefit plans with accumulated benefit obligations exceeding the fair value of plan assets were as follows:

	As of October 31,			
	2024		2023	
	In millions			
Aggregate fair value of plan assets	\$	2,274	\$	1,969
Aggregate accumulated benefit obligation	\$	3,076	\$	2,675

Fair Value of Plan Assets

The Company pays the U.S. defined benefit plan obligations when they come due since these plans are unfunded. The table below sets forth the fair value of non-U.S. defined benefit plan assets by asset category within the fair value hierarchy as of October 31, 2024 and 2023.

	As of October 31, 2024				As of October 31, 2023			
	Level 1	Level 2	Level 3	Total	Level 1	Level 2	Level 3	Total
	In millions							
Asset Category:								
Equity Securities								
U.S.	\$ 654	\$ 60	\$ —	\$ 714	\$ 543	\$ 12	\$ —	\$ 555
Non-U.S.	125	190	—	315	110	212	—	322
Debt securities								
Corporate	—	1,526	—	1,526	—	1,277	—	1,277
Government ⁽¹⁾	—	4,768	—	4,768	—	3,883	—	3,883
Other ⁽²⁾	—	465	745	1,210	—	661	799	1,460
Alternative investments								
Private Equity ⁽³⁾	—	6	276	282	—	5	41	46
Hybrids ⁽⁴⁾	—	365	197	562	—	358	177	535
Hybrids at NAV ⁽⁵⁾	—	—	—	307	—	—	—	358
Common Contractual Funds at NAV ⁽⁶⁾								
Equities at NAV	1,053							
Fixed Income at NAV	508							
Emerging Markets at NAV	275							
Alternative investments at NAV	1							
Real Estate Funds ⁽⁷⁾	3	303	264	570	20	327	237	584
Insurance Group Annuity Contracts	—	93	21	114	—	88	20	108
Cash and Cash Equivalents	157	194	—	351	222	93	—	315
Other ⁽⁸⁾	9	154	—	163	17	23	—	40
Obligation to return cash received from repurchase agreements ⁽¹⁾	—	(1,712)	—	(1,712)	—	(1,348)	—	(1,348)
Total	\$ 948	\$ 6,412	\$ 1,503	\$ 11,007	\$ 912	\$ 5,591	\$ 1,274	\$ 9,879

- (1) Repurchase agreements, primarily in the UK, represent the plans' short-term borrowing to hedge against interest rate and inflation risks. Investments in approximately \$2.0 billion and \$2.3 billion of government bonds collateralize this short-term borrowing at October 31, 2024 and 2023, respectively. The plans have an obligation to return the cash after the term of the agreements. Due to the short-term nature of the agreements, the outstanding balance of the obligation approximates fair value.
- (2) Includes funds that invest primarily in asset-backed securities, mortgage-backed securities, collateralized loan obligations, and/or private debt investments. Primary valuation techniques for level 3 investments include discounted cash flows and broker quotes and/or third-party pricing services. Significant unobservable inputs include yields which are determined by considering the market yield of comparable public debt instruments adjusted for estimated losses to reflect where the expected recovery rate would be less than 100%, discount rates, and internal rate of return (IRR). The yields ranged from 6% to 21%, with the weighted average around 10%. In the prior year, the yields ranged from 6% to 22%, with the weighted average around 10%. The discount rates ranged from 3% to 5%, with the weighted average around 4%. In the prior year, the discount rates ranged from 4% to 5%, with the weighted average around 4%. The IRR ranged from 1% to 38%, with the main weighted average around 9%. In the prior year, the IRR ranged from 5% to 21%, with the main weighted average around 10%. Generally, an increase in yield and discounted rates may result in a decrease in the fair value of certain investments.
- (3) Includes funds, primarily in the UK, held in non-marketable, limited partnership interests which invest in a broad range of infrastructure and infrastructure-related assets. Primary valuation techniques for level 3 investments include the market, income or cost approach. Significant unobservable inputs include discount rate and EV/EBITDA multiples. Discount rates ranged from 8% to 13%, with the weighted average around 10%. The EV/EBITDA multiples ranged from 6.5x to 37.9x, with the weighted average ranging from 9.2x to 36.3x. Generally, an increase in discount rates may result in a decrease in the fair value of certain investments. The EV/EBITDA ratio generally indicates the number of times investors are willing to pay for a company's EBITDA valuation.
- (4) Includes funds, primarily in the UK, that invest in both private and public equities, as well as emerging markets across all sectors. The funds also hold fixed income and derivative instruments to hedge interest rate and inflation risk. In addition, the funds include units in transferable securities, collective investment schemes, money market funds, asset-backed income, cash, and deposits. Primary valuation techniques for level 3 investments include discounted cash flows and book value or net asset value. Significant unobservable inputs include discount rates. The discount rates ranged from 3% to 38%, with the weighted average around 17%. In the prior year, the discount rates ranged from 3% to 28%, with the weighted average around 14%. Generally, an increase in discount rates may result in a decrease in the fair value of certain investments.
- (5) Includes a pooled fund in the UK, that seeks a rate of return with direct or indirect linkage to UK inflation by investing in vehicles including bonds, long lease property, income strips, asset-backed securities, and index linked assets. Units are available for subscription on the first business day of each calendar month at net asset value. There are no redemption restrictions or future commitments on these investments.
- (6) Common Contractual Funds are investment arrangements in which institutional investors pool their assets. Units may be acquired in four different sub-funds focused on equities, fixed income, alternative investments, and emerging markets. Each sub-fund is invested in accordance with the fund's investment objective and units are issued in relation to each sub-fund. While the sub-funds are not publicly traded, the custodian strikes a net asset value either once or twice a month, depending on the sub-fund. There are no redemption restrictions or future commitments on these investments.
- (7) Includes funds, primarily in Germany, that invest in a diversified portfolio of European real estate assets exposed to logistics real estate properties, food retailing properties, residential and commercial properties, and properties under development. Primary valuation techniques for level 3 investments include the income capitalization approach and cost approach. Significant unobservable inputs include rental yield and IRR. The rental yield rates ranged from 4% to 7%, with the weighted average around 5%. In the prior year, the rental yield rates ranged from 4% to 6%, with the weighted average around 4%. The IRR ranged from 0% to 4%, with the main weighted average around 1%. In the prior year, the IRR ranged from 5% to 8%, with the main weighted average around 7%. Generally, an increase in rental yield rates may result in a decrease in the fair value of certain investments. A higher IRR generally signifies a greater fair value as it implies a greater potential rate of return over the life of an investment.
- (8) Includes life insurance investment policies, unsettled transactions, and derivative instruments. As of October 31, 2024, the derivative instruments include synthetic equity swaps held by the UK plans with equity exposure of \$396 million.

As of October 31, 2024 post-retirement benefit plan assets of \$76 million were invested in publicly traded registered investment entities of which \$61 million are classified within Level 1 and \$15 million within Level 2 of the fair value hierarchy. As of October 31, 2023 post-retirement benefit plan assets of \$68 million were invested in publicly traded registered investment entities of which \$55 million are classified within Level 1 and \$13 million within Level 2 of the fair value hierarchy.

Changes in fair value measurements of Level 3 investments for the non-U.S. defined benefit plans were as follows:

	For the fiscal year ended October 31, 2024						
	Alternative Investments						Total
	Debt-Other	Private Equity	Hybrids	Real Estate Funds	Insurance Group Annuities		
	In millions						
Balance at beginning of year	\$ 799	\$ 41	\$ 177	\$ 237	\$ 20	\$	1,274
Actual return on plan assets:							
Relating to assets held at the reporting date	27	(3)	6	(14)	1		17
Relating to assets sold during the period	—	4	—	(1)	—		3
Purchases, sales, and settlements	(81)	234	14	42	—		209
Balance at end of year	\$ 745	\$ 276	\$ 197	\$ 264	\$ 21	\$	1,503

	For the fiscal year ended October 31, 2023						
	Alternative Investments						Total
	Debt-Other	Private Equity	Hybrids	Real Estate Funds	Insurance Group Annuities	Other	
	In millions						
Balance at beginning of year	\$ 932	\$ 46	\$ 182	\$ 164	\$ 21	\$ 1	1,346
Actual return on plan assets:							
Relating to assets held at the reporting date	72	(8)	2	(6)	(1)	—	59
Relating to assets sold during the period	—	3	—	—	—	—	3
Purchases, sales, and settlements	(205)	—	(7)	79	—	(1)	(134)
Balance at end of year	\$ 799	\$ 41	\$ 177	\$ 237	\$ 20	\$ —	1,274

The following is a description of the valuation methodologies used to measure plan assets at fair value.

Investments in publicly traded equity securities are valued using the closing price on the measurement date as reported on the stock exchange on which the individual securities are traded. For corporate, government backed debt securities, and some other investments, fair value is based on observable inputs of comparable market transactions. The valuation of certain real estate funds, insurance group annuity contracts and alternative investments, such as limited partnerships and joint ventures, may require significant management judgment and involves a level of uncertainty. The valuation is generally based on fair value as reported by the asset manager and adjusted for cash flows, if necessary. In making such an assessment, a variety of factors are reviewed by management, including, but are not limited to, the timeliness of fair value as reported by the asset manager and changes in general economic and market conditions subsequent to the last fair value reported by the asset manager. The use of different techniques or assumptions to estimate fair value could result in a different fair value measurement at the reporting date. Cash and cash equivalents includes money market funds, which are valued based on cost, which approximates fair value. Other than those assets that have quoted prices from an active market, investments are generally classified in Level 2 or Level 3 of the fair value hierarchy based on the lowest level input that is significant to the fair value measure in its entirety. Investments measured using net asset value as a practical expedient are not categorized within the fair value hierarchy.

Plan Asset Allocations

The weighted-average target and actual asset allocations across the benefit plans at the respective measurement dates for the non-U.S. defined benefit plans were as follows:

	Defined Benefit Plans		
	2024 Target Allocation	2024 Plan Assets	2023 Plan Assets
Public equity securities		21.4 %	21.8 %
Private/hybrid equity securities		10.5 %	9.5 %
Real estate and other ⁽¹⁾		6.7 %	6.3 %
Equity-related investments ⁽¹⁾	41.7 %	38.6 %	37.6 %
Debt securities	57.3 %	58.2 %	59.2 %
Cash and cash equivalents	1.0 %	3.2 %	3.2 %
Total	100.0 %	100.0 %	100.0 %

- (1) Included in Real estate and other investments are synthetic equity swaps with equity exposure of \$396 million, which is held in the UK plans as of October 31, 2024.

For the Company's post-retirement benefit plans, approximately 80% of the plan assets are invested in cash and cash equivalents and approximately 20% in multi-asset credit investments which consists primarily of investment grade credit, emerging market debt and high yield bonds.

Investment Policy

The Company's investment strategy is to seek a competitive rate of return relative to an appropriate level of risk depending on the funded status of each plan and the timing of expected benefit payments. The majority of the plans' investment managers employ active investment management strategies with the goal of outperforming the broad markets in which they invest. Risk management practices include diversification across asset classes and investment styles and periodic rebalancing toward asset allocation targets. A number of the plans' investment managers are authorized to utilize derivatives for investment or liability exposures, and the Company may utilize derivatives to effect asset allocation changes or to hedge certain investment or liability exposures.

Asset allocation decisions are typically made by an independent board of trustees for the specific plan. Investment objectives are designed to generate returns that will enable the plan to meet its future obligations. In some countries, local regulations may restrict asset allocations, typically leading to a higher percentage of investment in fixed income securities than would otherwise be deployed. The Company reviews the investment strategy and provides a recommended list of investment managers for each country plan, with final decisions on asset allocation and investment managers made by the board of trustees or investment committees for the specific plan.

Basis for Expected Long-Term Rate of Return on Plan Assets

The expected long-term rate of return on plan assets reflects the expected returns for each major asset class in which the plan invests and the weight of each asset class in the target mix. Expected asset

returns reflect the current yield on government bonds, risk premiums for each asset class and expected real returns, which considers each country’s specific inflation outlook. Because the Company’s investment policy is to employ primarily active investment managers who seek to outperform the broader market, the expected returns are adjusted to reflect the expected additional returns, net of fees.

Employer Contributions and Funding Policy

During fiscal 2024, the Company contributed approximately \$172 million to its non-U.S. pension plans and paid \$4 million to cover benefit claims under the Company’s post-retirement benefit plans. During fiscal 2025, the Company expects to contribute approximately \$189 million to its non-U.S. pension plans and an additional \$1 million to cover benefit payments to U.S. non-qualified plan participants. In addition, the Company expects to pay approximately \$6 million to cover benefit claims for its post-retirement benefit plans. The Company’s policy is to fund its pension plans so that it makes at least the minimum contribution required by various authorities including local government and taxing authorities.

Estimated Future Benefits Payments

As of October 31, 2024, estimated future benefits payments for the Company’s retirement plans were as follows:

Fiscal year	Defined Benefit Plans		Post-Retirement Benefit Plans	
	In millions			
2025	\$	609	\$	10
2026		554		11
2027		568		11
2028		592		12
2029		609		13
Next five fiscal years to October 31, 2034	\$	3,114	\$	72

[XML 32 R15.htm IDEA: XBRL DOCUMENT](#)

Stock-Based Compensation
Share-Based Payment Arrangement [Abstract]
Stock-Based Compensation

12 Months Ended
Oct. 31, 2024

Stock-Based Compensation

On April 14, 2021 (the “Approval Date”), shareholders of the Company approved the Hewlett Packard Enterprise Company 2021 Stock Incentive Plan (the “2021 Plan”) that replaced the Company’s 2015 Stock Incentive Plan (the “2015 Plan”). The 2021 Plan provides for the grant of various types of awards including restricted stock awards, stock options and performance-based awards. These awards generally vest over 3 years from the grant date. The maximum number of shares as of the Approval Date that may be delivered to the participants under the 2021 Plan shall not exceed 7 million shares, plus 35.8 million shares that were available for grant under the 2015 Plan and any awards granted under the 2015 Plan prior to the

Approval Date that were cash-settled, forfeited, terminated, or lapsed after the Approval Date. On April 5, 2022, April 5, 2023 and April 10, 2024, shareholders of the Company approved amendments to the 2021 Plan thereby increasing the overall number of shares available for issuance by 15 million shares, 18 million shares, and 22 million shares, respectively. As of October 31, 2024, the Company had remaining authorization of 38.5 million shares under the 2021 Plan.

Stock-Based Compensation Expense

Stock-based compensation expense and the resulting tax benefits were as follows:

	For the fiscal years ended October 31,		
	2024	2023	2022
	In millions		
Stock-based compensation expense	\$ 430	\$ 428	\$ 391
Income tax benefit	(96)	(92)	(75)
Stock-based compensation expense, net of tax	\$ 334	\$ 336	\$ 316

Stock-based compensation expense as presented in the table above is recorded within the following cost and expense lines in the Consolidated Statements of Earnings.

	For the fiscal years ended October 31,		
	2024	2023	2022
	In millions		
Cost of sales	\$ 49	\$ 47	\$ 46
Research and development	158	161	143
Selling, general and administrative	223	220	202
Stock-based compensation expense	\$ 430	\$ 428	\$ 391

Employee Stock Purchase Plan

Effective November 1, 2015, the Company adopted the Hewlett Packard Enterprise Company 2015 Employee Stock Purchase Plan (“ESPP”). The total number of shares of Company’s common stock authorized under the ESPP was 80 million. The ESPP allows eligible employees to contribute up to 10% of their eligible compensation to purchase Hewlett Packard Enterprise’s common stock. The ESPP provides for a discount not to exceed 15% and an offering period up to 24 months. The Company currently offers 6-month offering periods during which employees have the ability to purchase shares at 95% of the closing market price on the purchase date. No stock-based compensation expense was recorded in connection with those purchases, as the criteria of a non-compensatory plan were met.

Restricted Stock Units

Restricted stock units have forfeitable dividend equivalent rights equal to the dividend paid on common stock. Restricted stock units do not have the voting rights of common stock, and the shares underlying restricted stock units are not considered issued and outstanding upon grant. The fair value of the restricted stock units is the closing price of the Company’s common stock on the grant date of the award. The Company expenses the fair value of restricted stock units ratably over the period during which the restrictions lapse.

The following table summarizes restricted stock unit activity for the year ended October 31, 2024:

	Shares	Weighted-Average Grant Date Fair Value Per Share	
	In thousands		
Outstanding at beginning of year	54,389	\$	15
Granted and replacement awards for acquisitions	29,930		16
Vested	(25,245)		15
Forfeited/canceled	(3,461)		16
Outstanding at end of year	55,613	\$	16

The total grant date fair value of restricted stock awards vested for Company employees in fiscal 2024, 2023, and 2022 was \$348 million, \$319 million and \$262 million, respectively. As of October 31, 2024, there was \$342 million of unrecognized pre-tax stock-based compensation expense related to unvested restricted stock units, which the Company expects to recognize over the remaining weighted-average vesting period of 1.3 years.

Performance Restricted Units

The Company issues performance stock units (“PSU”) that vest on the satisfaction of service and performance conditions. The fair value of the PSUs is the closing price of the Company’s common stock on the grant date of the award. The Company also issues performance-adjusted restricted stock units (“PARSU”) that vest only on the satisfaction of service, performance and market conditions. The Company estimates the fair value of PARSU subject to performance-contingent vesting conditions using the Monte Carlo simulation model. The expenses associated with these performance restricted units were not material for any of the periods presented.

Stock Options

Stock options granted under the Plan are generally non-qualified stock options, but the Plan permits some options granted to qualify as incentive stock options under the U.S. Internal Revenue Code. The exercise price of a stock option is equal to the closing price of the Company’s common stock on the option grant date. The majority of the stock options issued by the Company contain only service vesting conditions. The Company has also issued performance-contingent stock options that vest only on the satisfaction of both service and market conditions. The Company did not issue stock options in fiscal 2024, 2023, and 2022. The expenses associated with stock options were not material for any of the periods presented.

The Company utilizes the Black-Scholes-Merton option pricing formula to estimate the fair value of stock options subject to service-based vesting conditions. The Company estimates the fair value of stock options subject to performance-contingent vesting conditions using a combination of a Monte Carlo simulation model and a lattice model, as these awards contain market conditions.

[XML 33 R16.htm IDEA: XBRL DOCUMENT](#)

Taxes on Earnings

Income Tax Disclosure [Abstract]
Taxes on Earnings

Taxes on Earnings

Provision for Taxes

The domestic and foreign components of Net earnings (loss) from operations before taxes were as follows:

	For the fiscal years ended October 31,		
	2024	2023	2022
	In millions		
U.S.	\$ 765	\$ (1,105)	\$ (1,138)
Non-U.S.	2,188	3,335	2,014
	\$ 2,953	\$ 2,230	\$ 876

The Provision for taxes on Net earnings from operations were as follows:

	For the fiscal years ended October 31,		
	2024	2023	2022
	In millions		
U.S. federal taxes:			
Current	\$ 8	\$ —	\$ 12
Deferred	(120)	(88)	(98)
Non-U.S. taxes:			
Current	415	256	288
Deferred	44	23	(143)
State taxes:			
Current	15	16	(43)
Deferred	12	(2)	(8)
	\$ 374	\$ 205	\$ 8

The differences between the U.S. federal statutory income tax rate and the Company’s effective tax rate were as follows:

	For the fiscal years ended October 31,		
	2024	2023	2022
U.S. federal statutory income tax rate	21.0 %	21.0 %	21.0 %
State income taxes, net of federal tax benefit	0.4 %	0.9 %	2.8 %
Lower rates in other jurisdictions, net	(1.3)%	(4.4)%	(0.9)%
Valuation allowance	(1.3)%	(2.8)%	(31.5)%
U.S. permanent differences	(4.0)%	(1.5)%	6.0 %
U.S. R&D credit	(1.8)%	(2.1)%	(5.1)%
Uncertain tax positions	(0.3)%	(2.0)%	(15.6)%
Goodwill impairment	— %	— %	21.5 %
Other, net	— %	0.1 %	2.7 %
	12.7 %	9.2 %	0.9 %

The jurisdictions with favorable tax rates that had the most significant impact on the Company's effective tax rate in the periods presented include Puerto Rico and Singapore.

In fiscal 2024, the Company recorded \$43 million of net income tax charges related to various items discrete to the year. These amounts primarily included \$104 million of income tax charges resulting from the gain on the partial disposition of H3C Technologies Co., Limited ("H3C"), which included \$215 million of U.S. and foreign income tax charges offset by \$111 million of income tax benefit for the release of an uncertain tax benefit related to the prior divestiture, partially offset by \$54 million of income tax benefits related to transformation costs, and acquisition, disposition and other related charges and \$11 million of net excess tax benefits related to stock-based compensation.

In fiscal 2023, the Company recorded \$131 million of net income tax benefits related to various items discrete to the year. These amounts primarily included \$104 million of income tax benefits related to transformation costs, and acquisition, disposition and other related charges and \$19 million of net excess tax benefits related to stock-based compensation.

In fiscal 2022, the Company recorded \$454 million of net income tax benefits related to various items discrete to the year. These amounts primarily included \$150 million of income tax benefits related to releases of foreign valuation allowances, \$99 million of income tax benefits related to transformation costs, and acquisition, disposition and other related charges, \$43 million of income tax benefits related to the settlement of U.S. tax audit matters, \$42 million of income tax benefits related to the release of U.S. passive foreign tax credit valuation allowances, \$30 million of income tax benefits related to the change in pre-separation tax liabilities, primarily those for which the Company shared joint and several liability with HP Inc. and for which the Company was indemnified by HP Inc., \$27 million of income tax benefits related to the utilization of capital losses which had a full valuation allowance, \$12 million of income tax benefits as a result of the fiscal 2021 U.S. tax return filing primarily from the decrease in GILTI, and \$11 million of net income tax benefits related to settlements and ongoing discussions in foreign tax audit matters.

As a result of certain employment actions and capital investments the Company has undertaken, income from manufacturing and services in certain countries is subject to reduced tax rates through 2039. The gross foreign income tax benefits attributable to these actions and investments were \$356 million (\$0.27 diluted net EPS) in fiscal 2024, \$857 million (\$0.65 diluted net EPS) in fiscal 2023, and \$832 million (\$0.63 diluted net EPS) in fiscal 2022. Refer to Note 16, "Net Earnings Per Share" for details on shares used to compute diluted net EPS.

Uncertain Tax Positions

A reconciliation of unrecognized tax benefits is as follows:

	As of October 31,		
	2024	2023	2022
	In millions		
Balance at beginning of year	\$ 672	\$ 674	\$ 2,131
Increases:			
For current year's tax positions	60	67	81
For prior years' tax positions	116	20	41
Decreases:			
For prior years' tax positions	(113)	(2)	(48)
Statute of limitations expiration	(4)	(4)	(12)
Settlements with taxing authorities	(7)	(83)	(1,491)
Settlements related to joint and several positions indemnified by HP Inc.	—	—	(28)
Balance at end of year	\$ 724	\$ 672	\$ 674

Up to \$344 million, \$354 million and \$386 million of the Company's unrecognized tax benefits at October 31, 2024, 2023 and 2022, respectively, would affect its effective tax rate if realized in their respective periods. During the first quarter of fiscal 2022, the Company effectively settled with the U.S. Internal Revenue Service ("IRS") for fiscal 2016, primarily contributing to the reduction in the Company's unrecognized tax benefits of \$1.5 billion, which was predominantly related to the timing of intercompany royalty revenue recognition which does not affect the Company's effective tax rate.

The Company recognizes interest income from favorable settlements and interest expense and penalties accrued on unrecognized tax benefits in Provision for taxes in the Consolidated Statements of Earnings. The Company recognized \$2 million of interest expense and \$25 million and \$55 million of interest income in fiscal 2024, 2023, and 2022, respectively. As of October 31, 2024 and 2023, the Company had accrued \$58 million and \$56 million, respectively, for interest and penalties in the Consolidated Balance Sheets.

The Company is subject to income tax in the U.S. and approximately 80 other countries and is subject to routine corporate income tax audits in many of these jurisdictions.

The Company engages in continuous discussion and negotiation with taxing authorities regarding tax matters in various jurisdictions. The Company is no longer subject to U.S. federal tax audits for years prior to 2017. The IRS is conducting audits of the Company's fiscal 2017 through 2022 U.S. federal income tax returns. During fiscal 2023, the IRS issued notices of proposed adjustments ("NOPAs") for fiscal 2017, 2018, and 2019 relating to HPE's intercompany transfer pricing. During the first quarter of fiscal 2024, the IRS issued a Revenue Agent Report ("RAR") finalizing their position on the NOPAs for the same issues and same fiscal years. However, HPE disagreed with the IRS' adjustments and believes the positions taken on its tax returns are more likely than not to prevail on technical merits, and has continued with settlement discussions with the IRS. During the third quarter of fiscal 2024, the Company submitted a formal settlement offer to the IRS to facilitate the closing of the audit and recorded increased reserves for unrecognized tax benefits of \$122 million. The impact of the increase in reserves is almost entirely offset with a valuation allowance release, and the net impact to income tax expense for fiscal 2024 was not material. It is reasonably possible that the IRS audit for fiscal 2017 through 2019 may be concluded in the next 12 months, and it is reasonably possible that existing unrecognized tax benefits related to these years may be reduced by an amount up to \$358 million within the next 12 months, the majority of which relates to adjustments to foreign tax credits that carry a full valuation allowance or to the timing of intercompany royalty revenue recognition, neither of which affects the Company's effective tax rate.

With respect to major state and foreign tax jurisdictions, the Company is no longer subject to tax authority examinations for years prior to 2005. However, it is reasonably possible that certain foreign tax issues may be concluded in the next 12 months, including issues involving resolution of certain intercompany transactions and other matters. The Company believes it is reasonably possible that its existing unrecognized tax benefits may be reduced by an amount up to \$6 million within the next 12 months.

The Company believes it has provided adequate reserves for all tax deficiencies or reductions in tax benefits that could result from federal, state and foreign tax audits. The Company regularly assesses the likely outcomes of these audits in order to determine the appropriateness of the Company's tax provision. The Company adjusts its uncertain tax positions to reflect the impact of negotiations, settlements, rulings, advice of legal counsel, and other information and events pertaining to a particular audit. However, income tax audits are inherently unpredictable and there can be no assurance that the Company will accurately predict the outcome of these audits. The amounts ultimately paid on resolution of an audit could be materially different from the amounts previously included in the Provision for taxes and therefore the resolution of one or more of these uncertainties in any particular period could have a material impact on net earnings or cash flows.

The Company has not provided for U.S. federal and state income and foreign withholding taxes on \$9.3 billion of undistributed earnings and basis differences from non-U.S. operations as of October 31, 2024 because the Company intends to reinvest such earnings indefinitely outside of the U.S. Determination of the amount of unrecognized deferred tax liability related to these earnings and basis differences is not practicable. The Company will remit non-indefinitely reinvested earnings of its non-U.S. subsidiaries for which deferred U.S. state income and foreign withholding taxes have been provided where excess cash has accumulated and the Company determines that it is advantageous for business operations, tax or cash management reasons.

Deferred Income Taxes

Deferred income taxes result from temporary differences between the amount of assets and liabilities recognized for financial reporting and tax purposes.

The significant components of deferred tax assets and deferred tax liabilities were as follows:

	As of October 31,		
	2024	2023	
	In millions		
Deferred tax assets:			
Loss and credit carryforwards ⁽¹⁾	\$ 5,692	\$ 5,936	
Inventory valuation	78	90	
Intercompany prepayments	192	325	
Warranty	45	49	
Employee and retiree benefits	162	184	
Restructuring	27	52	
Deferred revenue	799	658	
Intangible assets	251	107	
Capitalized R&D	81	44	
Lease liabilities	253	209	
Other	262	196	
Total deferred tax assets	7,842	7,850	
Valuation allowance ⁽¹⁾	(5,204)	(5,428)	
Total deferred tax assets net of valuation allowance	2,638	2,422	
Deferred tax liabilities:			
Unremitted earnings of foreign subsidiaries	(229)	(190)	
ROU assets	(236)	(192)	
Fixed assets	(150)	(102)	
Total deferred tax liabilities	(615)	(484)	
Net deferred tax assets and liabilities	\$ 2,023	\$ 1,938	

(1) Fiscal 2023 amounts have been reclassified to conform to the current period presentation.

Deferred tax assets and liabilities included in the Consolidated Balance Sheets are as follows:

	As of October 31,		
	2024	2023	
	In millions		
Deferred tax assets	\$ 2,396	\$ 2,264	
Deferred tax liabilities	(373)	(326)	
Deferred tax assets net of deferred tax liabilities	\$ 2,023	\$ 1,938	

As of October 31, 2024, the Company had \$269 million, \$2.9 billion and \$20.1 billion of federal, state and foreign net operating loss carryforwards, respectively. Amounts included in state and foreign net operating loss carryforwards will begin to expire in 2025; federal net operating losses can carry forward indefinitely. The Company has provided a valuation allowance of \$145 million and \$3.8 billion for deferred tax assets related to state and foreign net operating losses carryforwards, respectively. As of October 31, 2024, the Company also had \$20 million, \$81 million, and \$91 million of federal, state, and foreign capital loss carryforwards, respectively. Amounts included in federal and state capital loss carryforwards will begin to expire in 2028; foreign capital losses can carry forward indefinitely. The Company has provided a valuation allowance of \$5 million and \$27 million for deferred tax assets related to state and foreign capital loss carryforwards, respectively.

As of October 31, 2024, the Company had recorded deferred tax assets for various tax credit carryforwards as follows:

	Carryforward	Valuation Allowance	Initial Year of Expiration
	In millions		
U.S. foreign tax credits	\$ 648	\$ (648)	2027
U.S. research and development and other credits	230	—	2029
Tax credits in state and foreign jurisdictions	197	(177)	2028
Balance at end of year	\$ 1,075	\$ (825)	

Total valuation allowances decreased by \$224 million in fiscal 2024, primarily as a result of the utilization of certain non-U.S. loss carryforwards which had full valuation allowances, the impact on fully valued U.S. foreign tax credits as a result of the change in uncertain tax benefits, the recording of valuation allowances on certain non-U.S. tax credits, and the release of certain foreign valuation allowances.

Tax Matters Agreement and Other Income Tax Matters

In connection with the completed separations and mergers of the former Enterprise Services business with DXC Technology Company ("DXC") (the "Everett Transaction" or "Everett") and the Software Segment with Micro Focus International plc ("Micro Focus") (the "Seattle Transaction" or "Seattle"), the Company entered into a DXC Tax Matters Agreement with DXC and a Micro Focus Tax Matters Agreement with Micro Focus, respectively. See Note 18, "Guarantees and Indemnifications," for a description of the DXC Tax Matters Agreement and Micro Focus Tax Matters Agreement.

[XML 34 R17.htm IDEA: XBRL DOCUMENT](#)

Balance Sheet Details

**12 Months Ended
Oct. 31, 2024**

[Organization,
Consolidation and
Presentation of
Financial Statements
\[Abstract\]](#)

[Balance Sheet Details](#)

Balance Sheet Details

Cash, Cash Equivalents and Restricted Cash

	As of October 31,	
	2024	2023
	In millions	
Cash and cash equivalents	\$ 14,846	\$ 4,270
Restricted cash	259	311
Total	\$ 15,105	\$ 4,581

Accounts Receivable, Net

	As of October 31,	
	2024	2023
	In millions	
Accounts receivable	\$ 3,236	\$ 3,254
Unbilled receivable	324	264
Allowances	(10)	(37)
Total	\$ 3,550	\$ 3,481

The allowance for doubtful accounts related to accounts receivable and changes therein were as follows:

	As of October 31,		
	2024	2023	2022
	In millions		
Balance at beginning of year	\$ 37	\$ 25	\$ 23
Provision for credit losses	41	29	25
Adjustments to existing allowances, including write offs	(68)	(17)	(23)
Balance at end of year	\$ 10	\$ 37	\$ 25

The Company has third-party revolving short-term financing arrangements intended to facilitate the working capital requirements of certain customers. The Company recorded an obligation of \$62 million, \$80 million and \$88 million in Notes payable and short-term borrowings in its Consolidated Balance Sheets as of October 31, 2024, 2023 and 2022, respectively, related to the trade receivables sold and collected from the third-party for which the revenue recognition was deferred. For arrangements involving an element of recourse, the fair value of the recourse obligation is measured using market data from similar transactions and reported as a current liability in Other accrued liabilities in the Consolidated Balance Sheets.

The activity related to Hewlett Packard Enterprise's revolving short-term financing arrangements was as follows:

	As of October 31,		
	2024	2023	2022
	In millions		
Balance at beginning of period ⁽¹⁾	\$ 83	\$ 163	\$ 336
Trade receivables sold	3,098	4,097	4,130
Cash receipts	(3,190)	(4,185)	(4,292)
Foreign currency and other	9	8	(11)
Balance at end of period ⁽¹⁾	\$ —	\$ 83	\$ 163

(1) Beginning and ending balances represent amounts for trade receivables sold but not yet collected.

Inventory

	As of October 31,	
	2024	2023
	In millions	
Purchased parts and fabricated assemblies	\$ 5,441	\$ 2,940
Finished goods	2,369	1,667
Total	\$ 7,810	\$ 4,607

Property, Plant and Equipment, net

	As of October 31,	
	2024	2023
	In millions	
Land	\$ 66	\$ 66
Buildings and leasehold improvements	1,696	1,521
Machinery and equipment, including equipment held for lease	10,392	10,382
Gross property, plant and equipment	12,154	11,969
Accumulated depreciation	(6,490)	(5,980)
Property, plant and equipment, net ⁽¹⁾	\$ 5,664	\$ 5,989

(1) This balance includes \$593 million and \$606 million of internal use software, net as of October 31, 2024 and 2023, respectively.

Depreciation expense was \$2.3 billion in fiscal 2024 and 2023, respectively, and \$2.2 billion in 2022.

Long-Term Financing Receivables and Other Assets

	As of October 31,	
	2024	2023
	In millions	
Financing receivables, net	\$ 5,583	\$ 5,028
Deferred tax assets	2,396	2,264
Prepaid pension	1,555	1,313
ROU assets	1,408	980
Other	1,674	1,792
Total	\$ 12,616	\$ 11,377

Supplier Financing Arrangements

The Company enters into supplier financing arrangements with external financial institutions. Under these arrangements, suppliers can choose to settle outstanding payment obligations at a discount. The Company holds no economic interest in suppliers' participation, nor does it provide guarantees or pledge assets under these arrangements. Invoices are settled with the financial institutions based on the original supplier payment terms. These arrangements do not alter the Company's rights and obligations towards suppliers, including scheduled payment terms. Liabilities associated with the funded participation in these arrangements, are presented within Accounts Payable on the Consolidated Balance Sheets, amounted to \$466 million, and \$295 million as of October 31, 2024 and October 31, 2023, respectively.

Other Accrued Liabilities

	As of October 31,	
	2024	2023
	In millions	
Sales and marketing programs	\$ 1,032	\$ 1,070
Value-added and property taxes	922	786
Contract manufacturer liabilities	505	71
Customer deposits	289	392
Operating lease liabilities	261	194
Warranty	150	167
Collateral payable	90	207
Other	1,281	1,274
Total	\$ 4,530	\$ 4,161

Other Non-Current Liabilities

	As of October 31,	
	2024	2023
	In millions	
Deferred revenue	\$ 3,578	\$ 3,281
Operating lease liabilities	1,309	966
Pension, post-retirement, and post-employment	859	841
Deferred tax liabilities	373	326
Taxes on earnings	163	233
Other	623	899
Total	\$ 6,905	\$ 6,546

Warranties

The Company's aggregate product warranty liabilities and changes therein were as follows:

	As of October 31,		
	2024	2023	2022
	In millions		
Balance at beginning of year	\$ 318	\$ 360	\$ 327
Charges	173	184	238
Adjustments related to pre-existing warranties	(5)	(18)	(2)
Settlements made	(185)	(208)	(203)
Balance at end of year ⁽¹⁾	\$ 301	\$ 318	\$ 360

(1) The Company included the current portion in Other accrued liabilities, and amounts due after one year in Other non-current liabilities in the accompanying Consolidated Balance Sheets.

Contract Liabilities and Remaining Performance Obligations

Contract liabilities consist of deferred revenue and customer deposits. A summary of contract liabilities were as follows:

	Location	As of October 31,		
		2024	2023	2022
		In millions		
Customer deposits	Other accrued liabilities	\$ 289	\$ 392	
Customer deposits - non-current	Other non-current liabilities	7	144	
Total customer deposits		\$ 296	\$ 536	
Deferred revenue	Deferred revenue	\$ 3,904	\$ 3,658	
Deferred revenue - non-current	Other non-current liabilities	3,578	3,281	
Total deferred revenue		\$ 7,482	\$ 6,939	

In fiscal 2024, approximately \$3.5 billion of revenue was recognized relating to contract liabilities recorded as of October 31, 2023.

Revenue allocated to remaining performance obligations represents contract work that has not yet been performed and does not include contracts where the customer is not committed. Remaining performance obligations estimates are subject to change and are affected by several factors, including contract terminations, changes in the scope of contracts, adjustments for revenue that has not materialized and adjustments for currency. As of October 31, 2024, the aggregate amount of deferred revenue, was \$7.5 billion. The Company expects to recognize approximately 50% of this balance over fiscal 2025 with the remainder to be recognized thereafter. The Company receives payments in advance of completion of its contractual obligations, these payments are considered customer deposits. As customer acceptance milestones are met, the Company will recognize revenue and reduce the amount of contract liabilities. As of October 31, 2024, the aggregate amount of customer deposits was \$296 million. The Company expects to recognize \$289 million over fiscal 2025 and the remaining balance thereafter.

Costs to obtain a Contract

As of October 31, 2024, the current and non-current portions of the capitalized costs to obtain a contract were \$88 million and \$136 million, respectively. As of October 31, 2023, the current and non-current portions of the capitalized costs to obtain a contract were \$86 million and \$138 million, respectively. The current and non-current portions of the capitalized costs to obtain a contract were included in Other current assets, and Long-term financing receivables and other assets, respectively, in the Consolidated Balance Sheets. In fiscal 2024, 2023, and 2022 the Company amortized \$106 million, \$94 million, and \$83 million, respectively, of the capitalized costs to obtain a contract which are included in Selling, general and administrative expense in the Consolidated Statements of Earnings.

[XML 35 R18.htm IDEA: XBRL DOCUMENT](#)

Accounting for Leases as a Lessee

12 Months Ended
Oct. 31, 2024

Leases [Abstract]

Accounting for Leases as a Lessee

Accounting for Leases as a Lessee

Components of lease cost included in the Consolidated Statement of Earnings were as follows:

	For the fiscal years ended October 31,		
	2024	2023	2022
	In millions		
Operating lease cost	\$ 259	\$ 200	\$ 197
Finance lease cost	3	4	5
Sublease rental income	(26)	(23)	(27)
Total lease cost	\$ 236	\$ 181	\$ 175

The ROU assets and lease liabilities for operating and finance leases included in the Consolidated Balance Sheets were as follows:

	Balance Sheet Classification	As of October 31,		
		2024	2023	2022
		In millions		
Operating Leases				
ROU Assets	Long-term financing receivables and other assets	\$ 1,408	\$ 980	
Lease Liabilities:				
Operating lease liabilities - current	Other accrued liabilities	261	194	
Operating lease liabilities - non-current	Other non-current liabilities	1,309	966	
Total operating lease liabilities		\$ 1,570	\$ 1,160	
Finance Leases				
Finance lease ROU Assets:	Property, plant and equipment, net			
Gross finance lease ROU assets		\$ 26	\$ 26	
Less: Accumulated depreciation		(16)	(14)	
Net finance lease ROU assets		\$ 10	\$ 12	
Lease Liabilities:				
Finance lease liabilities - current	Notes payable and short-term borrowings	\$ 6	\$ 5	
Finance lease liabilities - non-current	Long-term debt	32	38	
Total finance lease liabilities		\$ 38	\$ 43	
Total ROU assets		\$ 1,418	\$ 992	
Total lease liabilities		\$ 1,608	\$ 1,203	

The weighted-average remaining lease term and the weighted-average discount rate for the operating and finance leases were as follows:

	As of October 31,			
	2024		2023	
	Operating Leases	Finance Leases	Operating Leases	Finance Leases
Weighted-average remaining lease term (in years)	6.7	5.5	7.2	6.5
Weighted-average discount rate	4.4 %	3.5 %	3.8 %	3.5 %

Supplemental cash flow information related to leases was as follows:

	Cash Flow Statement Activity	For the fiscal years ended October 31,		
		2024	2023	2022
		In millions		
Cash outflows from operating leases	Net cash used in operating activities	\$ 274	\$ 219	\$ 214
ROU assets obtained in exchange for new operating lease liabilities	Non-cash activities	\$ 627	\$ 251	\$ 195

The following tables shows the future payments on the Company's operating and finance leases:

Fiscal year	As of October 31, 2024		
	Operating Leases	Finance Leases	
	In millions		
2025	\$ 321	\$ 7	
2026	296	7	
2027	281	7	
2028	249	8	
2029	201	8	
Thereafter	468	4	
Total future lease payments	\$ 1,816	\$ 41	
Less: imputed interest	(246)	(3)	
Total lease liabilities	\$ 1,570	\$ 38	

Accounting for Leases as a Lessee

Accounting for Leases as a Lessee

Components of lease cost included in the Consolidated Statement of Earnings were as follows:

	For the fiscal years ended October 31,		
	2024	2023	2022
	In millions		
Operating lease cost	\$ 259	\$ 200	\$ 197
Finance lease cost	3	4	5
Sublease rental income	(26)	(23)	(27)
Total lease cost	\$ 236	\$ 181	\$ 175

The ROU assets and lease liabilities for operating and finance leases included in the Consolidated Balance Sheets were as follows:

Balance Sheet Classification		As of October 31,	
		2024	2023
		In millions	
Operating Leases			
ROU Assets	Long-term financing receivables and other assets	\$ 1,408	\$ 980
Lease Liabilities:			
Operating lease liabilities – current	Other accrued liabilities	261	194
Operating lease liabilities – non-current	Other non-current liabilities	1,309	966
Total operating lease liabilities		\$ 1,570	\$ 1,160
Finance Leases			
Finance lease ROU Assets:	Property, plant and equipment, net		
Gross finance lease ROU assets		\$ 26	\$ 26
Less: Accumulated depreciation		(16)	(14)
Net finance lease ROU assets		\$ 10	\$ 12
Lease Liabilities:			
Finance lease liabilities – current	Notes payable and short-term borrowings	\$ 6	\$ 5
Finance lease liabilities – non-current	Long-term debt	32	38
Total finance lease liabilities		\$ 38	\$ 43
Total ROU assets		\$ 1,418	\$ 992
Total lease liabilities		\$ 1,608	\$ 1,203

The weighted-average remaining lease term and the weighted-average discount rate for the operating and finance leases were as follows:

		As of October 31,	
		2024	2023
		Operating Leases	Finance Leases
Weighted-average remaining lease term (in years)		6.7	5.5
Weighted-average discount rate		4.4 %	3.5 %

Supplemental cash flow information related to leases was as follows:

Cash Flow Statement Activity		For the fiscal years ended October 31,	
		2024	2023
		In millions	
Cash outflows from operating leases	Net cash used in operating activities	\$ 274	\$ 219
ROU assets obtained in exchange for new operating lease liabilities	Non-cash activities	\$ 627	\$ 251
			\$ 195

The following tables shows the future payments on the Company's operating and finance leases:

Fiscal year		As of October 31, 2024	
		Operating Leases	Finance Leases
		In millions	
2025		\$ 321	\$ 7
2026		296	7
2027		281	7
2028		249	8
2029		201	8
Thereafter		468	4
Total future lease payments		\$ 1,816	\$ 41
Less: imputed interest		(246)	(3)
Total lease liabilities		\$ 1,570	\$ 38

[XML 36 R19.htm IDEA: XBRL DOCUMENT](#)

Accounting for Leases as a Lessor

[Leases \[Abstract\]](#)

[Accounting for Leases as a Lessor](#)

12 Months Ended Oct. 31, 2024

Accounting for Leases as a Lessor

Financing Receivables

Financing receivables represent sales-type and direct-financing leases of the Company and third-party products. These receivables typically have terms ranging from two to five years and are usually collateralized by a security interest in the underlying assets. Financing receivables also include billed receivables from operating leases. The allowance for credit losses represents future expected credit losses over the life of the receivables based on past experience, current information and forward-looking economic considerations. The components of financing receivables were as follows:

		As of October 31,	
		2024	2023
		In millions	
Minimum lease payments receivable		\$ 10,266	\$ 9,363
Unguaranteed residual value		599	438
Unearned income		(1,218)	(987)
Financing receivables, gross		9,647	8,814
Allowance for credit losses		(194)	(243)
Financing receivables, net		9,453	8,571
Less: current portion		(3,870)	(3,543)
Amounts due after one year, net		\$ 5,583	\$ 5,028

As of October 31, 2024, scheduled maturities of the Company's minimum lease payments receivable were as follows:

Fiscal year		As of October 31, 2024	
		In millions	
2025		\$ 4,282	
2026		2,977	
2027		1,747	
2028		892	
2029		277	
Thereafter		91	
Total undiscounted cash flows		\$ 10,266	
Present value of lease payments (recognized as finance receivables)		\$ 9,048	
Difference between undiscounted cash flows and discounted cash flows		\$ 1,218	

Sale of Financing Receivables

The Company enters into arrangements to transfer the contractual payments due under certain financing receivables to third-party financial institutions. For the fiscal years ended October 31, 2024 and 2023, the Company sold \$93 million and \$237 million, respectively, of financing receivables.

Credit Quality Indicators

Due to the homogeneous nature of its leasing transactions, the Company manages its financing receivables on an aggregate basis when assessing and monitoring credit risk. Credit risk is generally diversified due to the large number of entities comprising the Company's customer base and their dispersion across many different industries and geographic regions. The Company evaluates the credit quality of an obligor at lease inception and monitors that credit quality over the term of a transaction. The Company assigns risk ratings to each lease based on the creditworthiness of the obligor and other variables that augment or mitigate the inherent credit risk of a particular transaction and periodically updates the risk ratings when there is a change in the underlying credit quality. Such variables include the underlying value and liquidity of the collateral, the essential use of the equipment, the term of the lease, and the inclusion of credit enhancements, such as guarantees, letters of credit or security deposits.

The credit risk profile of gross financing receivables, based on internal risk ratings as of October 31, 2024, presented on amortized cost basis by year of origination was as follows:

Fiscal Year		As of October 31, 2024		
		Low	Risk Rating Moderate In millions	High
2024		\$ 2,630	\$ 1,120	\$ 19
2023		1,804	948	54
2022		1,128	665	46
2021		440	317	52
2020 and prior		158	193	73
Total		\$ 6,160	\$ 3,243	\$ 244

The credit risk profile of gross financing receivables, based on internal risk ratings as of October 31, 2023, presented on amortized cost basis by year of origination was as follows:

Fiscal Year		As of October 31, 2023		
		Low	Risk Rating Moderate In millions	High
2023		\$ 2,100	\$ 1,196	\$ 31
2022		1,681	1,052	51
2021		868	645	57
2020		336	285	35
2019 and prior		155	223	99
Total		\$ 5,140	\$ 3,401	\$ 273

Accounts rated low risk typically have the equivalent of a Standard & Poor's rating of BBB- or higher, while accounts rated moderate risk generally have the equivalent of BB+ or lower. The Company classifies accounts as high risk when it considers the financing receivable to be impaired or when management believes there is a significant near-term risk of impairment. The credit quality indicators do not reflect any mitigation actions taken to transfer credit risk to third parties.

Allowance for Credit Losses

The allowance for credit losses for financing receivables as of October 31, 2024, 2023, and 2022, and the respective changes for the twelve months then ended were as follows:

	As of October 31,		
	2024	2023	2022
	In millions		
Balance at beginning of period	\$ 243	\$ 325	\$ 228
Provision for credit losses ⁽¹⁾	50	58	177
Adjustment to the existing allowance	(4)	—	(10)
Write-offs	(95)	(140)	(70)
Balance at end of period	\$ 194	\$ 243	\$ 325

(1) Fiscal 2022 included a provision of \$99 million related to expected credit losses due to the Company's exit from its Russia and Belarus businesses.

Non-Accrual and Past-Due Financing Receivables

The following table summarizes the aging and non-accrual status of gross financing receivables:

	As of October 31,	
	2024	2023
	In millions	
Billed: ⁽¹⁾		
Current 1-30 days	\$ 334	\$ 320
Past due 31-60 days	29	30
Past due 61-90 days	12	13
Past due > 90 days	79	100
Unbilled sales-type and direct-financing lease receivables	9,193	8,351
Total gross financing receivables	\$ 9,647	\$ 8,814
Gross financing receivables on non-accrual status ⁽²⁾	\$ 214	\$ 227
Gross financing receivables 90 days past due and still accruing interest ⁽²⁾	\$ 82	\$ 81

(1) Includes billed operating lease receivables and billed sales-type and direct-financing lease receivables.

(2) Includes billed operating lease receivables and billed and unbilled sales-type and direct-financing lease receivables.

Operating Leases

Operating lease assets included in Property, plant and equipment, net in the Consolidated Balance Sheets were as follows:

	As of October 31,	
	2024	2023
	In millions	
Equipment leased to customers	\$ 6,669	\$ 7,019
Accumulated depreciation	(3,037)	(2,919)
Total	\$ 3,632	\$ 4,100

As of October 31, 2024, minimum future rentals on non-cancelable operating leases related to leased equipment were as follows:

Fiscal year	As of October 31, 2024	
	In millions	
2025	\$ 1,696	
2026	962	
2027	339	
2028	36	
2029	3	
Thereafter	1	
Total	\$ 3,037	

If a lease is classified as an operating lease, the Company records lease revenue on a straight-line basis over the lease term. At commencement of an operating lease, initial direct costs are deferred and are expensed over the lease term on the same basis as the lease revenue is recorded.

The following table presents amounts included in the Consolidated Statements of Earnings related to lessor activity:

	Location	For the fiscal years ended October 31,		
		2024	2023	2022
		In millions		
Interest income from sales-type leases and direct financing leases	Financing income	\$ 668	\$ 547	\$ 483
Lease income from operating leases	Services	2,344	2,407	2,296
Total lease income		\$ 3,012	\$ 2,954	\$ 2,779

Variable Interest Entities

The Company has issued asset-backed debt securities under a fixed-term securitization program to private investors. The asset-backed debt securities are collateralized by the U.S. fixed-term financing receivables and leased equipment in the offering, which is held by a Special Purpose Entity ("SPE"). The SPE meets the definition of a Variable Interest Entity ("VIE") and is consolidated, along with the associated debt, into the Consolidated Financial Statements as the Company is the primary beneficiary of the VIE. The SPE is a bankruptcy-remote legal entity with separate assets and liabilities. The purpose of the SPE is to facilitate the funding of customer receivables and leased equipment in the capital markets.

The Company's risk of loss related to securitized receivables and leased equipment is limited to the amount by which the Company's right to receive collections for assets securitized exceeds the amount required to pay interest, principal, and fees and expenses related to the asset-backed securities.

The following table presents the assets and liabilities held by the consolidated VIE as of October 31, 2024 and 2023, which are included in the Consolidated Balance Sheets. The assets in the table below include those that can be used to settle the obligations of the VIE. Additionally, general creditors do not have recourse to the assets of the VIE.

	As of October 31,	
	2024	2023
	In millions	
Assets held by VIE:		
Other current assets	\$ 189	\$ 145
Financing receivables		
Short-term	\$ 872	\$ 764
Long-term	\$ 1,079	\$ 983
Property, plant and equipment, net	\$ 1,033	\$ 1,214
Liabilities held by VIE:		
Notes payable and short-term borrowings, net of unamortized debt issuance costs	\$ 1,433	\$ 1,392
Long-term debt, net of unamortized debt issuance costs	\$ 965	\$ 1,082

For the year ended October 31, 2024, financing receivables and leased equipment transferred via securitization through the SPE were \$1.2 billion and \$0.6 billion, respectively. For the fiscal year ended October 31, 2023, financing receivables and leased equipment transferred via securitization through the SPE were \$0.8 billion and \$0.7 billion, respectively.

[XML 37 R20.htm IDEA: XBRL DOCUMENT](#)

Acquisitions and Dispositions

[Business Combinations](#)
[\[Abstract\]](#)

[Acquisitions and Dispositions](#)

12 Months Ended Oct. 31, 2024

Acquisitions and Dispositions

Acquisitions and Disposition in fiscal 2024

On August 30, 2024, the Company completed the acquisition of Morpheus Data, a pioneer in software for hybrid cloud management and platform operations. Morpheus Data's results of operations were included within the Hybrid Cloud segment. The acquisition date fair value consideration of \$147 million primarily consisted of cash paid for outstanding common stock. The Company is amortizing the intangible assets on a straight-line basis over an estimated weighted-average useful life of 4 years. The purchase price allocations for the Morpheus Data acquisition, described below, reflect various preliminary fair value estimates and analysis, including preliminary work performed by third-party valuation specialists, of certain tangible assets and

liabilities acquired, the valuation of intangible assets acquired, certain legal matters, income and non-income based taxes, and residual goodwill, which are subject to change within the measurement period.

The following table presents the aggregate estimated fair value of the assets acquired and liabilities assumed, including those items that are still pending allocations, for the acquisition completed during fiscal 2024:

	In millions
Goodwill	\$ 98
Amortizable intangible assets	68
Net liabilities assumed	(19)
Total fair value consideration	\$ 147

Pending Merger with Juniper Networks, Inc.

On January 9, 2024, the Company entered into a definitive merger agreement under which HPE will acquire Juniper Networks, Inc. ("Juniper Networks") in an all-cash transaction for \$40.00 per share, representing an equity value of approximately \$14 billion. The transaction was unanimously approved by the boards of directors of both companies. On April 2, 2024, Juniper Networks shareholders approved the transaction. The transaction is expected to be funded based on senior unsecured delayed draw term loans from a syndicate of banks, the post-tax proceeds from the Company's sale to UNIS of 30% of the total issued share capital of H3C, the net proceeds (including after repayments of maturing debt) of its September 2024 issuances of senior unsecured notes and 7.625% Series C Mandatory Convertible Preferred Stock (the "Preferred Stock"), and cash on the balance sheet. Refer to Note 14, "Borrowings," and Note 15, "Stockholders' Equity," for additional information. The closing of the transaction remains subject to receipt of regulatory approvals and satisfaction of other customary closing conditions.

Disposition of CTG

On May 23, 2024, HPE announced plans to divest the CTG business to HCLTech. CTG is included in the Communications and Media Solutions business, which is reported in the Corporate Investments and Other segment. This divestiture includes the platform-based software solutions portions of the CTG portfolio, including systems integration, network applications, data intelligence, and the business support systems groups. As of October 31, 2024, assets and liabilities to be sold have been presented in the Consolidated Balance Sheets as assets and liabilities held for sale. On December 1, 2024, the Company completed the disposition of CTG. The Company received net proceeds of \$210 million and expect to recognize a gain of approximately \$230 million.

Acquisitions in fiscal 2023

During fiscal 2023, the Company completed five acquisitions. The purchase price allocations for the acquisitions described below reflect various fair value estimates and analysis, including work performed by third-party valuation specialists, of certain tangible assets and liabilities acquired, the valuation of intangible assets acquired, certain legal matters, income and non-income based taxes, and residual goodwill, which were subject to change within the measurement period. Measurement period adjustments were recorded in the reporting period in which the estimates were finalized and adjustment amounts were determined.

The pro forma results of operations, revenue and net income subsequent to the acquisition dates have not been presented as they were not material to the Company's consolidated results of operations, either individually or in the aggregate. Goodwill, which represents the excess of the purchase price over the net tangible and intangible assets acquired, was not deductible for tax purposes.

The following table presents the aggregate estimated fair value of the assets acquired and liabilities assumed, including those items that are still pending allocations, for the acquisitions completed during fiscal 2023:

	In millions
Goodwill	\$ 585
Amortizable intangible assets	209
Net tangible assets assumed	46
Total fair value consideration	\$ 840

On May 2, 2023, the Company completed the acquisition of OpsRamp, an IT operations management company that monitors, observes, automates, and manages IT infrastructure, cloud resources, workloads, and applications for hybrid and multi-cloud environments, including the leading hyperscalers. OpsRamp's results of operations were included within the Corporate Investments and Other segment. The acquisition date fair value consideration of \$307 million primarily consisted of cash paid for outstanding common stock. In connection with this acquisition, the Company recorded approximately \$217 million of goodwill, and \$84 million of intangible assets. The Company is amortizing the intangible assets on a straight-line basis over an estimated weighted-average useful life of 5 years.

On March 15, 2023, the Company completed the acquisition of Axis Security, a cloud security provider, enabling the Company to expand its edge-to-cloud security capabilities by offering a unified Secure Access Services Edge solution to meet the increasing demand for integrated networking and security solutions deliveredaaS. Axis Security's results of operations were included within the Intelligent Edge segment. The acquisition date fair value consideration of \$412 million primarily consisted of cash paid for outstanding common stock. In connection with this acquisition, the Company recorded approximately \$311 million of goodwill, and \$71 million of intangible assets. The Company is amortizing the intangible assets on a straight-line basis over an estimated weighted-average useful life of 5 years.

Acquisitions in fiscal 2022

The Company did not have any acquisitions during fiscal 2022.

XML 38 R21.htm IDEA: XBRL DOCUMENT

Goodwill and
Intangible Assets

Goodwill and
Intangible Assets
Disclosure [Abstract]
Goodwill and Intangible
Assets

12 Months Ended
Oct. 31, 2024

Goodwill and Intangible Assets

Goodwill

Goodwill and related changes in the carrying amount by reportable segment were as follows:

	Server	Hybrid Cloud	Intelligent Edge	Financial Services	Corporate Investments & Other	Total
Balance at October 31, 2023 ⁽¹⁾	\$ 10,220	\$ 4,716	\$ 2,908	\$ 144	\$ —	\$ 17,988
Goodwill from acquisitions	—	98	—	—	—	98
Goodwill adjustments	—	(1)	1	—	—	—
Balance at October 31, 2024 ⁽¹⁾	\$ 10,220	\$ 4,813	\$ 2,909	\$ 144	\$ —	\$ 18,086

(1) Goodwill is net of accumulated impairment losses of \$1.9 billion. Of this amount, \$1.7 billion relates to the HPC & AI reporting unit of which \$815 million was recorded during the fourth quarter of fiscal 2022. The Hybrid Cloud reporting unit has an accumulated impairment loss of \$90 million related to the former Software reporting unit which was also recorded during the fourth quarter of fiscal 2022.

2024 Interim and Annual Goodwill Impairment Reviews

As of October 31, 2024, the Company's reporting units with goodwill are consistent with the reportable segments identified in Note 2, "Segment Information" to the Consolidated Financial Statements in Item 8 of Part II, with the exception of Server, which contains two reporting units: Compute and HPC & AI, and Corporate Investments and Other which contains two reporting units: Advisory and Professional Services, and Legacy Communications and Media Solutions.

During fiscal 2024, the Company performed the following goodwill impairment tests, none of which resulted in goodwill impairment:

- Impairment test performed as of November 1, 2023 based on organizational changes impacting the composition of reporting units as of that date;
- Annual goodwill impairment test, which was performed as of the first day of the fourth quarter of fiscal 2024. The excess of fair value over carrying amount for the reporting units ranged from approximately 8% to 198% of the respective carrying amounts and;
- Interim goodwill impairment test as of September 30, 2024 for Compute and Hybrid Cloud reporting units.

In September 2024, HPE sold 30% of the total issued share capital of H3C. The equity investment in H3C primarily benefits the Compute and Hybrid Cloud reporting units. Subsequent to the sale, on September 30, 2024, the Company performed an interim impairment analysis for Compute and Hybrid Cloud reporting units. The excess of fair value over carrying amount for these reporting units was 6% for Compute and 5% for Hybrid Cloud.

The Compute reporting unit has goodwill of \$8.2 billion as of October 31, 2024, and excess of fair value over carrying value of 6% as of the September 30, 2024 interim test date. The Compute business is cyclical in nature. Over the last several years, digital transformation drove increased investment to modernize infrastructure. However, in the current macroeconomic and inflationary environment, customers have invested selectively resulting in moderate unit growth and competitive pricing. The Compute business continues to focus on capturing market share while maintaining operating margin, leveraging its strong portfolio of ProLiant Gen11 products.

The Hybrid Cloud reporting unit has goodwill of \$4.8 billion as of October 31, 2024, and excess of fair value of 5% as of the September 30, 2024 interim test date. Although the Hybrid Cloud business is on a positive trajectory, the Company is managing both a sales model transition and product transition within this business. The Company's product model transition is to a more cloud-native, software-defined platform with HPE Alletra. Translating this growth to revenue and operating income will take time because a greater mix of high margin business such as ratable software and services, are deferred and recognized in future periods.

2023 and 2022 Annual Goodwill Impairment Reviews

The Company's fiscal 2023 annual impairment test did not result in any impairment charges.

The Company's fiscal 2022 annual goodwill impairment analysis resulted in impairment charges for goodwill related to the HPC & AI reporting unit and former Software reporting unit (which is now part of the Hybrid Cloud reporting unit). There was no impairment of goodwill for other reporting units.

The decline in the fair value of the HPC & AI reporting unit below its carrying value resulted from changes in expected future cash flows due to the continuation of supply chain constraints, and other operational challenges as well as an increase in cost of capital. As a result, a goodwill impairment charge of \$815 million was recorded in the fourth quarter of fiscal 2022. The decline in the fair value of the former Software reporting unit resulted primarily from a decline in market multiples. As a result, a goodwill impairment charge of \$90 million was recorded in the fourth quarter of fiscal 2022.

Intangible Assets

	As of October 31, 2024			As of October 31, 2023		
	Gross	Accumulated Amortization	Net	Gross	Accumulated Amortization	Net
			In millions			
Customer contracts, customer lists and distribution agreements	\$ 219	\$ (70)	\$ 149	\$ 357	\$ (177)	\$ 180
Developed and core technology and patents	747	(443)	304	1,162	(711)	451
Trade name and trademarks	6	(5)	1	146	(123)	23
Capitalized software development costs	56	—	56	—	—	—
Total intangible assets	\$ 1,028	\$ (518)	\$ 510	\$ 1,665	\$ (1,011)	\$ 654

For fiscal 2024, the decrease in gross intangible assets was primarily due to \$761 million of intangible assets which became fully amortized and were eliminated from gross intangible assets and accumulated amortization, partially offset by \$68 million of intangible assets related to acquisitions and \$56 million related to capitalized software development costs.

As of October 31, 2024, the weighted-average remaining useful lives of the Company's finite-lived intangible assets were as follows:

	Weighted-Average Remaining Useful Lives In years
Customer contracts, customer lists and distribution agreements	5
Developed and core technology and patents	3
Trade name and trademarks	1
Capitalized software development costs	3

As of October 31, 2024, estimated future amortization expense related to finite-lived intangible assets was as follows:

Fiscal year	In millions
2025	\$ 152
2026	128
2027	95
2028	50
2029	30
Thereafter	5
Total ⁽¹⁾	\$ 460

(1)This table does not include \$50 million of software development costs that are in-progress and not amortizable.

XML 39 R22.htm IDEA: XBRL DOCUMENT

Fair Value

Fair Value
Disclosures
[Abstract]
Fair Value

12 Months Ended
Oct. 31, 2024

Fair Value

Fair value is defined as the price that would be received to sell an asset or paid to transfer a liability (an exit price) in an orderly transaction between market participants at the measurement date.

Fair Value Hierarchy

The Company uses valuation techniques that are based upon observable and unobservable inputs. Observable inputs are developed using market data such as publicly available information and reflect the assumptions market participants would use, while unobservable inputs are developed using the best information available about the assumptions market participants would use. Assets and liabilities are classified in the fair value hierarchy based on the lowest level input that is significant to the fair value measurement:

Level 1—Quoted prices (unadjusted) in active markets for identical assets or liabilities.

Level 2—Quoted prices for similar assets or liabilities in active markets, quoted prices for identical or similar assets or liabilities in markets that are not active, inputs other than quoted prices that are observable for the asset or liability and market-corroborated inputs.

Level 3—Unobservable inputs for assets or liabilities.

The fair value hierarchy gives the highest priority to observable inputs and lowest priority to unobservable inputs. For the fiscal years ended October 31, 2024 and 2023, there were no transfers between levels within the fair value hierarchy.

The following table presents the Company's assets and liabilities that are measured at fair value on a recurring basis:

	As of October 31, 2024				As of October 31, 2023				
	Fair Value Measured Using				Fair Value Measured Using				
	Level 1	Level 2	Level 3	Total	Level 1	Level 2	Level 3	Total	
Assets	In millions								
Cash Equivalents and Investments:									
Time deposits	\$ —	\$ 601	\$ —	\$ 601	\$ —	\$ 905	\$ —	\$ 905	
Money market funds	12,639	—	—	12,639	1,672	—	—	1,672	
Equity investments	—	—	88	88	—	—	135	135	
Foreign bonds	—	102	1	103	1	95	1	97	
Other debt securities ⁽¹⁾	—	—	14	14	—	—	22	22	
Derivative instruments:									
Foreign exchange contracts	—	299	—	299	—	464	—	464	
Total assets	\$ 12,639	\$ 1,002	\$ 103	\$ 13,744	\$ 1,673	\$ 1,464	\$ 158	\$ 3,295	
Liabilities									
Derivative instruments:									
Interest rate contracts	\$ —	\$ 58	\$ —	\$ 58	\$ —	\$ 151	\$ —	\$ 151	
Foreign exchange contracts	—	103	—	103	—	152	—	152	
Other derivatives	—	2	—	2	—	2	—	2	
Total liabilities	\$ —	\$ 163	\$ —	\$ 163	\$ —	\$ 305	\$ —	\$ 305	

(1) Available-for-sale debt securities with carrying values that approximate fair value.

Valuation Techniques

Cash Equivalents and Investments: The Company holds time deposits, money market funds, debt securities primarily consisting of corporate and foreign government notes and bonds. The Company values cash equivalents using quoted market prices, alternative pricing sources, including net asset value, or models utilizing market observable inputs. The fair value of debt and equity investments was based on quoted market prices or model-driven valuations using inputs primarily derived from or corroborated by observable market data, and, in certain instances, valuation models that utilize assumptions which cannot be corroborated with observable market data. Equity and other securities include investments in marketable and non-marketable securities. In evaluating non-marketable securities for impairment or observable price changes, the Company uses valuation techniques using the best information available, and may include quoted market prices, market comparables and discounted cash flow projections.

Derivative Instruments: The Company uses forward contracts, interest rate and total return swaps to hedge certain foreign currency and interest rate exposures. The Company uses industry standard valuation models to measure fair value. Where applicable, these models project future cash flows and discount the future amounts to present value using market-based observable inputs, including interest rate curves, the Company and counterparties' credit risk, foreign currency exchange rates, and forward and spot prices for currencies and interest rates. See Note 13, "Financial Instruments," for a further discussion of the Company's use of derivative instruments.

Other Fair Value Disclosures

Short-Term and Long-Term Debt: The Company estimates the fair value of its debt primarily using an expected present value technique, which is based on observable market inputs using interest rates currently available to companies of similar credit standing for similar terms and remaining maturities, and considering its own credit risk. The portion of the Company's debt that is hedged is reflected in the Consolidated Balance Sheets as an amount equal to the debt's carrying amount and a fair value adjustment representing changes in the fair value of the hedged debt obligations arising from movements in benchmark interest rates. As of October 31, 2024, the estimated fair value of the Company's short-term and long-term debt was \$18.3 billion and the carrying value was \$18.2 billion. As of October 31, 2023, the estimated fair value of the Company's short-term

and long-term debt was \$12.2 billion and the carrying value was \$12.4 billion. If measured at fair value in the Consolidated Balance Sheets, short-term and long-term debt would be classified in Level 2 of the fair value hierarchy.

Other Financial Instruments: For the balance of the Company's financial instruments, primarily accounts receivable, accounts payable and financial liabilities included in other accrued liabilities, the carrying amounts approximate fair value due to their short-term nature. If measured at fair value in the Consolidated Balance Sheets, these other financial instruments would be classified in Level 2 or Level 3 of the fair value hierarchy.

Non-Recurring Fair Value Measurements

Equity Investments without Readily Determinable Fair Value: Equity investments are recorded at cost and measured at fair value, when they are deemed to be impaired or when there is an adjustment from observable price changes. For fiscal 2024, the Company recorded a net unrealized gain of \$34 million. For fiscal 2023 and 2022, the Company recorded net unrealized losses of \$45 million and \$17 million, respectively, which included impairments of \$50 million and \$24 million for the same respective periods. These amounts are reflected in Interest and other, net in the Consolidated Statements of Earnings. If measured at fair value in the Consolidated Balance Sheets, these would generally be classified in Level 3 of the fair value hierarchy. These adjustments are based on observable price changes for certain equity investments without readily determinable fair value. For investments still held as of October 31, 2024, the cumulative upward adjustments for observable price changes was \$82 million and cumulative downward adjustments for observable price changes and impairments was \$88 million. Refer to Note 13 "Financial Instruments," for further information about equity investments.

Non-Financial Assets: The Company's non-financial assets, such as intangible assets, goodwill and property, plant and equipment, are recorded at cost. The Company records ROU assets based on the lease liability, adjusted for lease prepayments, lease incentives received and the lessee's initial direct costs. Fair value adjustments are made to these non-financial assets in the period an impairment charge is recognized.

In fiscal 2023 and 2022, the Company recorded a net ROU asset impairment charge of \$18 million and \$5 million, respectively, in Transformation costs in the Consolidated Statements of Earnings as the carrying value of certain ROU assets exceeded its fair value. If measured at fair value in the Consolidated Balance Sheets, these would generally be classified in Level 3 of the fair value hierarchy.

In the fourth quarter of fiscal 2022, the Company recorded a goodwill impairment charge of \$905 million associated with the HPC & AI reporting unit and the Software reporting unit within the Corporate Investments and Other segment. The fair value of the Company's reporting units was classified in Level 3 of the fair value hierarchy due to the significance of unobservable inputs developed using company-specific information. For more information on the goodwill impairment, see Note 11, "Goodwill and Intangible Assets."

[XML 40 R23.htm IDEA: XBRL DOCUMENT](#)

Financial Instruments

[Investments, All](#)
[Other Investments](#)
[\[Abstract\]](#)
[Financial Instruments](#)

**12 Months Ended
Oct. 31, 2024**

Financial Instruments

Cash Equivalents and Available-for-Sale Debt Investments

Cash equivalents and available-for-sale debt investments were as follows:

As of October 31, 2024					As of October 31, 2023				
Gross Unrealized Gains/(Losses)					Gross Unrealized Gains/(Losses)				
Cost			Fair Value		Cost		Fair Value		
In millions									
Cash Equivalents:									
Time deposits	\$ 601	\$ —	\$ 601	\$ 905	\$ —	\$ 905			
Money market funds	12,639	—	12,639	1,672	—	1,672			
Total cash equivalents	13,240	—	13,240	2,577	—	2,577			
Available-for-sale Debt Investments:									
Foreign bonds	101	2	103	100	(3)	97			
Other debt securities	8	6	14	19	3	22			
Total available-for-sale debt investments	109	8	117	119	—	119			
Total cash equivalents and available-for-sale debt investments	\$ 13,349	\$ 8	\$ 13,357	\$ 2,696	\$ —	\$ 2,696			

All highly liquid investments with original maturities of three months or less at the date of acquisition are considered cash equivalents. As of October 31, 2024 and 2023, the carrying amount of cash equivalents approximated fair value due to the short period of time to maturity. Interest income related to cash, cash equivalents and debt securities was approximately \$197 million, \$127 million and \$39 million in fiscal 2024, 2023 and 2022, respectively. Time deposits were primarily issued by institutions outside the U.S. as of October 31, 2024 and 2023. The estimated fair value of the available-for-sale debt investments may not be representative of values that will be realized in the future.

Contractual maturities of investments in available-for-sale debt securities were as follows:

			As of October 31, 2024	
			Amortized Cost	Fair Value
			In millions	
Due in more than five years			109	117
			\$ 109	\$ 117

Equity Investments

Non-marketable equity investments in privately held companies are included in Long-term financing receivables and other assets in the Consolidated Balance Sheets. These non-marketable equity investments are carried either at fair value or under measurement alternative. Measurement alternative equity investments are recorded at cost and measured at fair value when they are deemed to be impaired or when there is an adjustment from observable price changes.

The carrying amount of those non-marketable equity investments accounted for under the fair value option was \$88 million and \$135 million as of October 31, 2024 and 2023, respectively. For fiscal 2024, he Company recorded a net unrealized loss of \$47 million on these investments. For fiscal 2023 and 2022, the Company recorded net unrealized gains of \$9 million and \$86 million, respectively on these investments. These amounts are reflected in Interest and other, net in the Consolidated Statements of Earnings. In fiscal 2022, the Company sold \$165 million of these investments.

The carrying amount of those non-marketable equity investments accounted for under the measurement alternative was \$200 million and \$145 million as of October 31, 2024 and 2023, respectively. For fiscal 2024, the Company recorded a net unrealized gain of \$34 million. For fiscal 2023 and 2022, the Company recorded net unrealized losses of \$45 million and \$17 million, respectively, which included impairments of \$50 million and \$24 million for the same respective periods. These amounts are reflected in Interest and other, net in the Consolidated Statements of Earnings.

Derivative Instruments

The Company is a global company exposed to foreign currency exchange rate fluctuations and interest rate changes in the normal course of its business. As part of its risk management strategy, the Company uses derivative instruments, primarily forward contracts, interest rate swaps and total return swaps to hedge certain foreign currency, interest rate and, to a lesser extent, equity exposures. The Company's objective is to offset gains and losses resulting from these exposures with losses and gains on the derivative contracts used to hedge them, thereby reducing volatility of earnings or protecting the fair value of assets and liabilities. The Company does not have any leveraged derivatives and does not use derivative contracts for speculative purposes. The Company may designate its derivative contracts as fair value hedges, cash flow hedges or hedges of the foreign currency exposure of a net investment in a foreign operation ("net investment hedges"). Additionally, for derivatives not designated as hedging instruments, the Company categorizes those economic hedges as other derivatives. Derivative instruments are recognized at fair value in the Consolidated Balance Sheets. The change in fair value of the derivative instruments is recognized in the Consolidated Statements of Earnings or Consolidated Statements of Comprehensive Income depending upon the type of hedge as further discussed below. The Company classifies cash flows from its derivative programs with the activities that correspond to the underlying hedged items in the Consolidated Statements of Cash Flows.

As a result of its use of derivative instruments, the Company is exposed to the risk that its counterparties will fail to meet their contractual obligations. To mitigate counterparty credit risk, the Company has a policy of only entering into derivative contracts with carefully selected major financial institutions based on their credit ratings and other factors, and the Company maintains dollar risk limits that

correspond to each financial institution's credit rating and other factors. The Company's established policies and procedures for mitigating credit risk include reviewing and establishing limits for credit exposure and periodically reassessing the creditworthiness of its counterparties. Master netting agreements also mitigate credit exposure to counterparties by permitting the Company to net amounts due from the Company to a counterparty against amounts due to the Company from the same counterparty under certain conditions.

To further mitigate credit exposure to counterparties, the Company has collateral security agreements, which allows the Company to hold collateral from, or require the Company to post collateral to counterparties when aggregate derivative fair values exceed contractually established thresholds which are generally based on the credit ratings of the Company and its counterparties. If the Company's credit rating falls below a specified credit rating, the counterparty has the right to request full collateralization of the derivatives' net liability position. Conversely, if the counterparty's credit rating falls below a specified credit rating, the Company has the right to request full collateralization of the derivatives' net liability position. Collateral is generally posted within two business days. The fair value of the Company's derivatives with credit contingent features in a net liability position was \$23 million and \$108 million at October 31, 2024 and 2023, respectively, most of which were fully collateralized within two business days.

Under the Company's derivative contracts, the counterparty can terminate all outstanding trades following a covered change of control event affecting the Company that results in the surviving entity being rated below a specified credit rating. This credit contingent provision did not affect the Company's financial position or cash flows as of October 31, 2024 and 2023.

Fair Value Hedges

The Company issues long-term debt in U.S. dollars based on market conditions at the time of financing. The Company may enter into fair value hedges, such as interest rate swaps, to reduce the exposure of its debt portfolio to changes in fair value resulting from changes in interest rates by achieving a primarily U.S. dollar LIBOR-based floating interest rate which was replaced with SOFR starting in July of fiscal 2023. The swap transactions generally involve principal and interest obligations for U.S. dollar-denominated amounts. Alternatively, the Company may choose not to swap fixed for floating interest payments or may terminate a previously executed swap if it believes a larger proportion of fixed-rate debt would be beneficial. When investing in fixed-rate instruments, the Company may enter into interest rate swaps that convert the fixed interest payments into variable interest payments and may designate these swaps as fair value hedges.

For derivative instruments that are designated and qualify as fair value hedges, the Company recognizes the change in fair value of the derivative instrument, as well as the offsetting change in the fair value of the hedged item, in Interest and other, net in the Consolidated Statements of Earnings in the period of change.

Cash Flow Hedges

The Company uses forward contracts designated as cash flow hedges to protect against the foreign currency exchange rate risks inherent in its forecasted net revenue and, to a lesser extent, cost of sales, operating expenses, and intercompany loans denominated in currencies other than the U.S. dollar. The Company's foreign currency cash flow hedges mature generally within twelve months; however, forward contracts associated with sales-type and direct-financing leases and intercompany loans extend for the duration of the lease or loan term, which can extend up to five years.

For derivative instruments that are designated and qualify as cash flow hedges, and as long as they remain highly effective, the Company records the changes in fair value of the derivative instrument in Accumulated other comprehensive loss as a separate component of equity in the Consolidated Balance Sheets and subsequently reclassifies these amounts into earnings in the same financial statement line item when the hedged transaction is recognized.

In connection with the Company's pending acquisition of Juniper Networks and related debt issuances, the Company entered into interest rate locks for an aggregate notional amount of \$2.6 billion. These contracts were settled in fiscal 2024, the Company recognized a loss of \$42 million in accumulated other comprehensive income.

Net Investment Hedges

The Company uses forward contracts designated as net investment hedges to hedge net investments in certain foreign subsidiaries whose functional currency is the local currency. The Company records the changes in the fair value of the hedged items in cumulative translation adjustment as a separate component of equity in the Consolidated Balance Sheets.

Other Derivatives

Other derivatives not designated as hedging instruments consist primarily of forward contracts used to hedge foreign currency-denominated balance sheet exposures. The Company also uses total return swaps, based on equity or fixed income indices, to hedge its executive deferred compensation plan liability.

For derivative instruments not designated as hedging instruments, the Company recognizes changes in fair value of the derivative instrument, as well as the offsetting change in the fair value of the hedged item, in Interest and other, net in the Consolidated Statements of Earnings in the period of change.

Hedge Effectiveness

For interest rate swaps designated as fair value hedges, the Company measures hedge effectiveness by offsetting the change in fair value of the hedged items with the change in fair value of the derivative. For forward contracts designated as cash flow or net investment hedges, the Company measures hedge effectiveness by comparing the cumulative change in fair value of the hedge contract with the cumulative change in fair value of the hedged item, both of which are based on forward rates.

Fair Value of Derivative Instruments in the Consolidated Balance Sheets

The gross notional and fair value of derivative instruments in the Consolidated Balance Sheets were as follows:

	As of October 31, 2024					As of October 31, 2023				
	Fair Value					Fair Value				
	Outstanding Gross Notional	Other Current Assets	Long-Term Financing Receivables and Other Assets	Other Accrued Liabilities	Long-Term Other Liabilities	Outstanding Gross Notional	Other Current Assets	Long-Term Financing Receivables and Other Assets	Other Accrued Liabilities	Long-Term Other Liabilities
In millions										
<i>Derivatives Designated as Hedging Instruments</i>										
Fair Value Hedges:										
Interest rate contracts	\$ 2,500	\$ —	\$ —	\$ 58	\$ —	\$ 2,500	\$ —	\$ —	\$ —	\$ 151
Cash Flow Hedges:										
Foreign currency contracts	7,809	107	59	31	25	8,247	252	104	33	23
Net Investment Hedges:										
Foreign currency contracts	1,986	38	44	12	13	1,972	39	46	34	23
Total derivatives designated as hedging instruments	12,295	145	103	101	38	12,719	291	150	67	197
<i>Derivatives Not Designated as Hedging Instruments</i>										
Foreign currency contracts	5,528	46	5	18	4	6,786	20	3	23	16
Other derivatives	147	—	—	2	—	100	—	—	2	—
Total derivatives not designated as hedging instruments	5,675	46	5	20	4	6,886	20	3	25	16
Total derivatives	\$ 17,970	\$ 191	\$ 108	\$ 121	\$ 42	\$ 19,605	\$ 311	\$ 153	\$ 92	\$ 213

Offsetting of Derivative Instruments

The Company recognizes all derivative instruments on a gross basis in the Consolidated Balance Sheets. The Company's derivative instruments are subject to master netting arrangements and collateral security arrangements. The Company does not offset the fair value of its derivative instruments against the fair value of cash collateral posted under collateral security agreements. The information related to the potential effect of the Company's use of the master netting agreements and collateral security agreements were as follows:

	As of October 31, 2024						As of October 31, 2023					
	In the Consolidated Balance Sheets						In the Consolidated Balance Sheets					
	(i)	(ii)	(iii) = (i)-(ii)	(iv)	(v)	(vi) = (iii)-(iv)-(v)	(i)	(ii)	(iii) = (i)-(ii)	(iv)	(v)	(vi) = (iii)-(iv)-(v)
	Gross Amount Recognized	Gross Amount Offset	Net Amount Presented	Derivatives	Financial Collateral	Net Amount	Gross Amount Recognized	Gross Amount Offset	Net Amount Presented	Derivatives	Financial Collateral	Net Amount
				In millions						In millions		
Derivative assets	\$ 299	\$ —	\$ 299	\$ 138	\$ 90 ⁽¹⁾	\$ 71	\$ 464	\$ —	\$ 464	\$ 196	\$ 207 ⁽¹⁾	\$ 61
Derivative liabilities	\$ 163	\$ —	\$ 163	\$ 138	\$ 27 ⁽²⁾	N/A	\$ 305	\$ —	\$ 305	\$ 196	\$ 103 ⁽²⁾	\$ 6

- (1) Represents the cash collateral posted by counterparties as of the respective reporting date for the Company's asset position, net of derivative amounts that could be offset, as of, generally, two business days prior to the respective reporting date.
- (2) Represents the collateral posted by the Company in cash or through the re-use of counterparty cash collateral as of the respective reporting date for the Company's liability position, net of derivative amounts that could be offset, as of, generally, two business days prior to the respective reporting date. As of October 31, 2024, \$27 million of collateral posted was entirely through the re-use of counterparty collateral. As of October 31, 2023, of the \$103 million of collateral posted, \$56 million was in cash and \$47 million was through the re-use of counterparty collateral.

The amounts recorded in the Consolidated Balance Sheets related to cumulative basis adjustments for fair value hedges were as follows:

	Carrying Amount of the Hedged Assets/ (Liabilities)			Cumulative Amount of Fair Value Hedging Adjustment Included in the Carrying Amount of the Hedged Assets/ (Liabilities)		
	2024	As of October 31, 2023	2023	2024	As of October 31, 2023	2023
		In millions			In millions	
Notes payable and short-term borrowings	\$ (2,440)	\$ —	\$ —	\$ 58	\$ —	\$ —
Long-term debt	\$ —	\$ (2,345)	\$ —	\$ —	\$ —	\$ 151

The pre-tax effect of derivative instruments in cash flow and net investment hedging relationships recognized in Other Comprehensive Income ("OCI") were as follows:

	Gains (Losses) Recognized in OCI on Derivatives For the fiscal years ended October 31,		
	2024	2023	2022
		In millions	
Derivatives in Cash Flow Hedging Relationship			
Foreign exchange contracts	\$ (73)	\$ (177)	\$ 1,025
Interest rate locks	(42)	—	—
Derivatives in Net Investment Hedging Relationship			
Foreign exchange contracts	25	(76)	99
Total	\$ (90)	\$ (253)	\$ 1,124

As of October 31, 2024, the Company expects to reclassify an estimated net accumulated other comprehensive gain of approximately \$20 million, net of taxes, to earnings in the next twelve months along with the earnings effects of the related forecasted transactions associated with cash flow hedges.

Effect of Derivative Instruments on the Consolidated Statements of Earnings

The following table represents the pre-tax effect of derivative instruments on total amounts of income and expense line items presented in the Consolidated Statements of Earnings in which the effects of fair value hedges, cash flow hedges and derivatives not designated as hedging instruments are recorded:

	Gains (Losses) Recognized in Income For the fiscal years ended October 31,					
	2024		2023		2022	
	Net Revenue	Interest and Other, net	Net Revenue	Interest and Other, net	Net Revenue	Interest and Other, net
	In millions					
Total net revenue and interest and other, net	\$ 30,127	\$ (117)	\$ 29,135	\$ (104)	\$ 28,496	\$ (121)
Gains (Losses) on Derivatives in Fair Value Hedging Relationships:						
Interest Rate Contracts						
Hedged items	—	(93)	—	(27)	—	273
Derivatives designated as hedging instruments	—	93	—	27	—	(273)
Gains (Losses) on Derivatives in Cash Flow Hedging Relationships:						
Foreign Exchange Contracts						
Amount of gains (losses) reclassified from accumulated other comprehensive income into income	59	(75)	28	(144)	388	590
Gains (Losses) on Derivatives not Designated as Hedging Instruments:						
Foreign exchange contracts	—	38	—	(97)	—	287
Other derivatives	—	—	—	(8)	—	(3)
Total gains (losses)	\$ 59	\$ (37)	\$ 28	\$ (249)	\$ 388	\$ 874

[XML 41 R24.htm IDEA: XBRL DOCUMENT](#)

	12 Months Ended Oct. 31, 2024					
Borrowings						
Notes Payable and Short-Term Borrowings						
Notes payable and short-term borrowings, including the current portion of long-term debt, were as follows:						
	As of October 31,					
	2024	Weighted-Average Interest Rate	2023	Weighted-Average Interest Rate		
	Amount Outstanding		Amount Outstanding			
		Dollars in millions				
Current portion of long-term debt ⁽¹⁾	\$ 3,969	7.6 %	\$ 4,022	4.8 %		
Commercial paper	649	3.7 %	679	4.1 %		
Notes payable to banks, lines of credit and other	124	5.0 %	167	4.6 %		
Total notes payable and short-term borrowings	\$ 4,742		\$ 4,868			

(1) As of October 31, 2024, the Current portion of long-term debt, net of discount and issuance costs, included \$1.4 billion associated with the current portion of the Company issued asset-backed debt securities.

	As of October 31,					
	2024	Weighted-Average Interest Rate	2023	Weighted-Average Interest Rate		
	Amount Outstanding		Amount Outstanding			
		Dollars in millions				
Hewlett Packard Enterprise Unsecured Senior Notes						
\$1,250 issued at discount to par at a price of 99.996% in September 2024 at 4.45%, due September 25, 2026, interest payable semi-annually on March 25 and September 25 of each year	\$ 1,250		\$ —			
\$1,250 issued at discount to par at a price of 99.953% in September 2024 at 4.40%, due September 25, 2027, interest payable semi-annually on March 25 and September 25 of each year	1,249		—			
\$1,750 issued at discount to par at a price of 99.894% in September 2024 at 4.55%, due October 15, 2029, interest payable semi-annually on April 15 and October 15 of each year	1,748		—			
\$1,250 issued at discount to par at a price of 99.908% in September 2024 at 4.85%, due October 15, 2031, interest payable semi-annually on April 15 and October 15 of each year	1,249		—			
\$2,000 issued at discount to par at a price of 99.078% in September 2024 at 5.00%, due October 15, 2034, interest payable semi-annually on April 15 and October 15 of each year	1,982		—			
\$1,500 issued at discount to par at a price of 98.086% in September 2024 at 5.60%, due October 15, 2054, interest payable semi-annually on April 15 and October 15 of each year	1,471		—			
\$250 issued at premium to par at a price of 100.452% in June 2023 at 5.90%, due October 1, 2024, interest payable semi-annually on April 1 and October 1 of each year	—		251			
\$550 issued at discount to par at a price of 99.887% in June 2023 at 5.25%, due July 1, 2028, interest payable semi-annually on January 1 and July 1 of each year	550		549			
\$400 issued at discount to par at a price of 99.997% in March 2023 at 6.102%, due April 1, 2026, interest payable semi-annually on April 1 and October 1 of each year	—		400			
\$1,300 issued at discount to par at a price of 99.934% in March 2023 at 5.90%, due October 1, 2024, interest payable semi-annually on April 1 and October 1 of each year	—		1,299			
\$1,000 issued at discount to par at a price of 99.883% in July 2020 at 1.45%, due April 1, 2024, interest payable semi-annually on April 1 and October 1 of each year	—		1,000			
\$750 issued at discount to par at a price of 99.820% in July 2020 at 1.75%, due April 1, 2026, interest payable semi-annually on April 1 and October 1 of each year	750		749			
\$2,500 issued at discount to par at a price of 99.725% in October 2015 at 4.90%, due October 15, 2025, interest payable semi-annually on April 15 and October 15 of each year	2,499		2,499			
\$750 issued at discount to par at a price of 99.942% in October 2015 at 6.20%, due October 15, 2035, interest payable semi-annually on April 15 and October 15 of each year	750		750			
\$1,500 issued at discount to par at a price of 99.932% in October 2015 at 6.35%, due October 15, 2045, interest payable semi-annually on April 15 and October 15 of each year	1,499		1,499			
Hewlett Packard Enterprise Asset-Backed Debt Securities						
\$818 issued in June 2024, in six tranches at a weighted average price of 99.99% and a weighted average interest rate of 5.59%, payable monthly from July 2024	700		—			
\$796 issued in January 2024, in six tranches at a weighted average price of 99.99% and a weighted average interest rate of 5.48%, payable monthly from February 2024	583		—			
\$612 issued in September 2023, in six tranches at a weighted average price of 99.99% and a weighted average interest rate of 6.40%, payable monthly from October 2023 with a stated final maturity of July 2031	373		596			
\$643 issued in March 2023 and April 2023, in five tranches at a weighted average price of 99.99% and a weighted average interest rate of 5.59%, payable monthly from April 2023 with a stated final maturity of April 2028	257		483			
\$651 issued in October 2022, in five tranches at a weighted average price of 99.99% and a weighted average interest rate of 5.55%, payable monthly from November 2022 with a stated final maturity date of August 2029	191		393			
\$747 issued in May 2022, in six tranches at a weighted average price of 99.99% and a weighted average interest rate of 3.68%, payable monthly from July 2022 with a stated final maturity date of March 2030	148		367			
\$1,000 issued in January 2022, in six tranches at a weighted average price of 99.99% and a weighted average interest rate of 1.51%, payable monthly from March 2022 with a stated final maturity date of November 2029	124		391			
\$753 issued in June 2021, in six tranches at a weighted average price of 99.99% and a weighted average interest rate of 0.58%, payable monthly from August 2021 with a stated final maturity date of March 2029	26		147			
\$1,000 issued in March 2021, in six tranches at a weighted average price of 99.99% and a weighted average interest rate of 0.49%, payable monthly from April 2021 with a stated final maturity date of March 2031	—		102			
Other, including finance lease obligations, at 1.6%-6.3%, due in calendar years 2024-2030 ⁽¹⁾	208		215			
Fair value adjustment related to hedged debt	(58)		(151)			
Unamortized debt issuance costs	(76)		(30)			
Less: current portion	(3,969)		(4,022)			
Total long-term debt	\$ 13,504		\$ 7,487			

(1) Other, including finance lease obligations included \$14 million and \$36 million as of October 31, 2024 and 2023, respectively, of borrowing- and funding-related activity associated with FS and its subsidiaries that are collateralized by receivables and underlying assets associated with the related finance and operating leases. For both the periods presented, the carrying amount of the assets approximated the carrying amount of the borrowings.

	Interest expense on borrowings recognized in the Consolidated Statements of Earnings was as follows:					
	Location	2024	2023	2022		
		In millions				
Financing interest	Financing cost	\$ 495	\$ 383	\$ 211		
Interest expense	Interest and other, net	282	326	260		
Total interest expense		\$ 777	\$ 709	\$ 471		

As disclosed in Note 13, “Financial Instruments,” the Company used interest rate swaps to mitigate the exposure of its fixed rate debt to changes in fair value resulting from changes in interest rates, or hedge the variability of cash flows in the interest payments associated with its variable-rate debt. Interest rates on long-term debt in the table above have not been adjusted to reflect the impact of any interest rate swaps.

Commercial Paper

Hewlett Packard Enterprise maintains two commercial paper programs, “the Parent Programs,” and a wholly-owned subsidiary maintains a third program. The Parent Program in the U.S. provides for the issuance of U.S. dollar-denominated commercial paper up to a maximum aggregate principal amount of \$4.75 billion. The Parent Program outside the U.S. provides for the issuance of commercial paper denominated in U.S. dollars, euros or British pounds up to a maximum aggregate principal amount of \$3.0 billion or the equivalent in those alternative currencies. The combined aggregate principal amount of commercial paper outstanding under those two programs at any one time cannot exceed the \$4.75 billion as authorized by Hewlett Packard Enterprise’s Board of Directors. In addition, the Hewlett Packard Enterprise subsidiary’s euro Commercial Paper/Certificate of Deposit Program provides for the issuance of commercial paper in various currencies of up to a maximum aggregate principal amount of \$1.0 billion. As of October 31, 2024 and 2023, no borrowings were outstanding under the Parent Programs. As of October 31, 2024 and 2023, \$649 million and \$679 million, respectively, were outstanding under the subsidiary’s program.

Revolving Credit Facility

In September 2024, the Company terminated its prior senior unsecured revolving credit facility that was entered into in December 2021, and entered into a new senior unsecured revolving credit facility with an aggregate lending commitment of \$5.25 billion for a period of five years. The commitment comprised of (i) \$4.75 billion of commitments available immediately and (ii) \$500 million of commitments available from and subject to the closing of the Juniper Networks acquisition and refinancing of Juniper Networks’ credit agreement in connection with the closing of the Juniper Networks acquisition. As of October 31, 2024 and 2023, no borrowings were outstanding under either credit facilities.

Uncommitted Credit facility

On September 21, 2023, the Company entered into a five-year agreement with Societe Generale for an uncommitted short-term cash advance facility in the principal amount of up to \$500 million. As of October 31, 2024, no borrowings were outstanding under this credit facility.

Juniper Networks Acquisition Committed Financing

In connection with HPE’s signing a definitive agreement to acquire Juniper Networks in January 2024 (the “Merger Agreement”), HPE entered into a commitment letter whereby HPE obtained a commitment from Citigroup Global Markets Inc., JPMorgan Chase Bank, N.A. and Mizuho Bank, Ltd. for a \$14.0 billion senior unsecured delayed draw term loan facility, comprised of an \$11.0 billion 364-day tranche and a \$3.0 billion three-year tranche, subject to customary conditions (the “Term Loan Commitment Letter”).

In September 2024, HPE issued \$9.0 billion of senior unsecured notes. In addition, in furtherance of the Term Loan Commitment Letter, the Company entered into term loan agreements with JPMorgan Chase Bank, N.A., Citibank, N.A., and Mizuho Bank, Ltd. for approximately \$12.0 billion of senior unsecured delayed draw term loan facilities, comprised of an approximately \$9.0 billion 364-day tranche and a \$3.0 billion three-year tranche, subject to customary conditions. The Company has since further reduced the commitments under the 364-day term loan to \$1.0 billion. Unless previously terminated, commitments under both the 364-day term loan and the three-year term loan will terminate upon the earliest of (i) five business days after the Juniper Outside Date (as defined in such term loan agreements), (ii) the occurrence of the closing of the acquisition of Juniper Networks without the funding of any borrowings under either of the term loan agreements, and (iii) the termination of the Merger Agreement by HPE in writing in accordance with its terms. As of October 31, 2024, no borrowings were outstanding and HPE paid \$42 million of financing fees.

In connection with the entry into the aforementioned 364-day term loan and the three-year term loan, on September 12, 2024, HPE terminated the Term Loan Commitment Letter.

Future Maturities of Borrowings

As of October 31, 2024, aggregate future maturities of the Company’s borrowings at face value (excluding a fair value adjustment related to hedged debt of \$58 million, a net discount of \$53 million and unamortized debt issuance costs of \$76 million), including finance lease obligations were as follows:

Fiscal year	In millions				
2025					4,032
2026					2,710
2027					1,545
2028					612
2029					1,758
Thereafter					7,003
Total					17,660

XML 42 R25.htm IDEA: XBRL DOCUMENT

Stockholders' Equity

[Stockholders' Equity Note \[Abstract\]](#)
[Stockholders' Equity](#)

Stockholders' Equity

The components of accumulated other comprehensive loss, net of taxes as of October 31, 2024 and changes during fiscal 2024 were as follows:

	Net unrealized gains on available-for-sale securities	Net unrealized gains (losses) on cash flow hedges	Unrealized components of defined benefit plans	Cumulative translation adjustment	Accumulated other comprehensive loss
	In millions				
Balance at beginning of period	\$ —	\$ 61	\$ (2,507)	\$ (638)	\$ (3,084)
Other comprehensive income (loss) before reclassifications	8	(115)	34	(23)	(96)
Reclassifications of losses into earnings	—	16	138	32	186
Tax benefit (provision)	—	22	(7)	2	17
Balance at end of period	\$ 8	\$ (16)	\$ (2,342)	\$ (627)	\$ (2,977)

The components of accumulated other comprehensive loss, net of taxes as of October 31, 2023 and changes during fiscal 2023 were as follows:

	Net unrealized gains on available-for-sale securities	Net unrealized gains (losses) on cash flow hedges	Unrealized components of defined benefit plans	Cumulative translation adjustment	Accumulated other comprehensive loss
	In millions				
Balance at beginning of period	\$ (1)	\$ 109	\$ (2,596)	\$ (610)	\$ (3,098)
Other comprehensive income (loss) before reclassifications	1	(177)	(99)	(32)	(307)
Reclassifications of losses into earnings	—	116	147	—	263
Tax benefit	—	13	41	4	58
Balance at end of period	\$ —	\$ 61	\$ (2,507)	\$ (638)	\$ (3,084)

The components of accumulated other comprehensive loss, net of taxes as of October 31, 2022 and changes during fiscal 2022 were as follows:

	Net unrealized gains (losses) on available-for-sale securities	Net unrealized gains (losses) on cash flow hedges	Unrealized components of defined benefit plans	Cumulative translation adjustment	Accumulated other comprehensive loss
	In millions				
Balance at beginning of period	\$ 15	\$ 81	\$ (2,545)	\$ (466)	\$ (2,915)
Other comprehensive (loss) income before reclassifications	(16)	1,025	(315)	(146)	548
Reclassifications of (gains) losses into earnings	—	(978)	160	—	(818)
Tax (provision) benefit	—	(19)	104	2	87
Balance at end of period	\$ (1)	\$ 109	\$ (2,596)	\$ (610)	\$ (3,098)

7.625% Series C Mandatory Convertible Preferred Stock

In September 2024, the Company issued 30 million shares of 7.625% Series C Mandatory Convertible Preferred Stock, par value \$0.01 per share (the “Preferred Stock”), for an aggregate purchase price of \$1.5 billion, less issuance costs of \$38 million. As of October 31, 2024, 30 million shares of the Preferred Stock were outstanding.

Unless converted earlier in accordance with its terms, each share of Preferred Stock will automatically convert on the mandatory conversion date, which is expected to be September 1, 2027, into between 2.5352 shares and 3.1056 shares of common stock, in each case, subject to customary anti-dilution adjustments described in the certificate of designations related to the Preferred Stock (the “Certificate of Designations”). The number of shares of common stock issuable upon conversion will be determined based on the average volume weighted average price per share of common stock over the 20 consecutive trading day period beginning on, and including, the 21st scheduled trading day immediately prior to September 1, 2027.

Holders of shares of Preferred Stock have the option to convert all or any portion of their shares of Preferred Stock at any time. The conversion rate applicable to any early conversion may, in certain circumstances, be increased to compensate holders of the Preferred Stock for unpaid accumulated dividends as described in the Certificate of Designations.

If a Fundamental Change, as defined in the Certificate of Designations, occurs on or prior to September 1, 2027, then holders of the Preferred Stock will be entitled to convert all or any portion of their Preferred Stock at the Fundamental Change Conversion Rate, into between 1.9200 shares and 3.1056 shares of common stock, in all cases, subject to customary anti-dilution adjustments described in the Certificate of Designations, for a specified period of time and to also receive an amount to compensate them for unpaid accumulated dividends and any remaining future scheduled dividend payments. The Preferred Stock is not subject to redemption at the Company’s option.

Dividends

The stockholders of HPE common stock are entitled to receive dividends when and as declared by the Board of Directors. The Company’s ability to pay dividends will depend on many factors, such as its financial condition, earnings, capital requirements, debt service obligations, restrictive covenants in its debt, industry practice, legal requirements, regulatory constraints, and other factors that the Board of Directors deems relevant. Furthermore, so long as any share of its Preferred Stock remains outstanding, no dividend on shares of common stock (or any other class of stock junior to the Preferred Stock) shall be declared or paid unless all accumulated and unpaid dividends for all preceding dividend periods for the Preferred Stock have been declared and paid in full in cash, shares of the Company’s common stock or a combination thereof, or a sufficient sum of cash or number of shares of its common stock has been set apart for the payment of such dividends, on all outstanding shares of the Preferred Stock. Dividends declared were \$0.52 and \$0.48 per common share in fiscal 2024 and 2023, respectively.

On December 05, 2024, the Company declared a regular cash dividend of \$0.13 per share on the Company’s common stock, payable on January 16, 2025, to the stockholders of record as of the close of business on December 20, 2024.

Dividends on the Preferred Stock will be payable on a cumulative basis when, as and if declared by the Board of Directors, or an authorized committee thereof, at an annual rate of 7.625% on the liquidation of preference of \$50.00 per share. The Company may pay declared dividends in cash or, subject to certain limitations, in shares of its common stock or in any combination of cash and shares of its common stock on March 1, June 1, September 1 and December 1 of each year,

commencing on December 1, 2024, and ending on, and including, September 1, 2027. The Company has declared a cash dividend of \$0.82604167 per share of its 7.625% Series C Mandatory Convertible Preferred Stock, which was paid on December 1, 2024, to holders of record as of the close of business on November 15, 2024.

Share Repurchase Program

On October 13, 2015, the Board of Directors approved a share repurchase program with a \$3.0 billion authorization, which was refreshed with additional share repurchase authorizations of \$3.0 billion, \$5.0 billion and \$2.5 billion on May 24, 2016, October 16, 2017 and February 21, 2018, respectively. This program, which does not have a specific expiration date, authorizes repurchases in the open market or in private transactions.

In fiscal 2024, the Company repurchased and settled a total of 7.8 million shares under its share repurchase program through open market repurchases, which included 0.2 million shares that were unsettled open market repurchases as of October 31, 2023. Additionally, the Company had unsettled open market repurchases of 0.1 million shares as of October 31, 2024. Shares repurchased during the fiscal 2024 were recorded as a \$150 million reduction to stockholders’ equity. As of October 31, 2024, the Company had a remaining authorization of approximately \$0.8 billion for future share repurchases.

In fiscal 2023, the Company repurchased and settled a total of 27.2 million shares under its share repurchase program through open market repurchases, which included 0.3 million shares that were unsettled open market repurchases as of October 31, 2022. Additionally, the Company had unsettled open market repurchases of 0.2 million shares as of October 31, 2023. Shares repurchased during the fiscal 2023 were recorded as a \$0.4 billion reduction to stockholders’ equity.

XML 43 R26.htm IDEA: XBRL DOCUMENT

Net Earnings Per Share
Earnings Per Share [Abstract]
Net Earnings Per Share

Net Earnings Per Share

The Company calculates basic net EPS using net earnings and the weighted-average number of shares outstanding during the reporting period.

The reconciliations of the numerators and denominators of each of the basic and diluted net EPS calculations were as follows:

	For the fiscal years ended October 31,			
	2024	2023	2022	
	In millions, except per share amounts			
Numerator:				
Net earnings attributable to common stockholders - Basic	\$ 2,554	\$ 2,025	\$ 868	
Plus: 7.625% Series C mandatory convertible preferred stock dividends	25	—	—	
Net earnings - Diluted	\$ 2,579	\$ 2,025	\$ 868	
Denominator:				
Weighted-average shares used to compute basic net EPS	1,309	1,299	1,303	
Dilutive effect of employee stock plans ⁽¹⁾	18	17	19	
Dilutive effect of 7.625% Series C mandatory convertible preferred stock ⁽¹⁾	10	—	—	
Weighted-average shares used to compute diluted net EPS	1,337	1,316	1,322	
Net earnings per share attributable to common stockholders:				
Basic	\$ 1.95	\$ 1.56	\$ 0.67	
Diluted	\$ 1.93	\$ 1.54	\$ 0.66	
Anti-dilutive weighted-average stock awards ⁽²⁾	—	—	2	

- (1) The impact of dilutive effect of employee stock plans is calculated under the treasury stock method, and the impact of dilutive effect of the 7.625% Series C Mandatory Convertible Preferred Stock is calculated under the if-converted method.
- (2) The Company excludes shares potentially issuable under employee stock plans that could dilute basic net EPS in the future from the calculation of diluted net earnings per share, as their effect, if included, would have been anti-dilutive for the periods presented.

XML 44 R27.htm IDEA: XBRL DOCUMENT

Litigation, Contingencies, and Commitments
Loss Contingency

12 Months Ended
Oct. 31, 2024

[Abstract]

Litigation,
Contingencies, and
Commitments

Litigation, Contingencies, and Commitments

Hewlett Packard Enterprise is involved in various lawsuits, claims, investigations and proceedings including those consisting of intellectual property, commercial, securities, employment, employee benefits, and environmental matters, which arise in the ordinary course of business. In addition, as part of the Separation and Distribution Agreement (the "Separation and Distribution Agreement") entered into in connection with Hewlett Packard Enterprise's spin-off from HP Inc. (formerly known as "Hewlett-Packard Company") (the "Separation"), Hewlett Packard Enterprise and HP Inc. agreed to cooperate with each other in managing certain existing litigation related to both parties' businesses. The Separation and Distribution Agreement included provisions that allocate liability and financial responsibility for pending litigation involving the parties, as well as provide for cross-indemnification of the parties against liabilities to one party arising out of liabilities allocated to the other party. The Separation and Distribution Agreement also included provisions that assign to the parties responsibility for managing pending and future litigation related to the general corporate matters of HP Inc. arising prior to the Separation. Hewlett Packard Enterprise records a liability when it believes that it is both probable that a liability has been incurred and the amount of loss can be reasonably estimated. Significant judgment is required to determine both the probability of having incurred a liability and the estimated amount of the liability. Hewlett Packard Enterprise reviews these matters at least quarterly and adjusts these liabilities to reflect the impact of negotiations, settlements, rulings, advice of legal counsel, and other updated information and events pertaining to a particular matter. Litigation is inherently unpredictable. However, Hewlett Packard Enterprise believes it has valid defenses with respect to legal matters pending against us. Nevertheless, cash flows or results of operations could be materially affected in any particular period by the resolution of one or more of these contingencies. Hewlett Packard Enterprise believes it has recorded adequate provisions for any such matters and, as of October 31, 2024, it was not reasonably possible that a material loss had been incurred in connection with such matters in excess of the amounts recognized in its financial statements.

Litigation, Proceedings and Investigations

Ross and Rogus v. Hewlett Packard Enterprise Company. On November 8, 2018, a putative class action complaint was filed in the Superior Court of California, County of Santa Clara alleging that HPE pays its California-based female employees "systemically lower compensation" than HPE pays male employees performing substantially similar work. The complaint alleges various California state law claims, including California's Equal Pay Act, Fair Employment and Housing Act, and Unfair Competition Law, and seeks certification of a California-only class of female employees employed in certain "Covered Positions." The parties subsequently reached an agreement to resolve this class action. The terms of the settlement are reflected in Plaintiff's Motion for Preliminary Approval of Class Action Settlement and Certification of Settlement Class, which was filed with the Court on September 26, 2022. On November 3, 2022, the Court granted Plaintiff's motion and preliminarily approved the terms of the class settlement, which defines the settlement class as all "[w]omen actively employed in California by Defendant at any point from November 1, 2015, through the date of Preliminary Approval" who were employed in a covered job code. The settlement class excludes certain individuals, including those who previously executed an arbitration agreement with HPE or an agreement that resulted in a release or waiver of claims. On April 28, 2023, the Court granted Plaintiffs' Motion for Final Approval of the Class Action Settlement and Certification of the Settlement Class. On February 6, 2024, the Court entered final judgment, approving the settlement and dismissing the action.

India Directorate of Revenue Intelligence Proceedings. On April 30 and May 10, 2010, the India Directorate of Revenue Intelligence (the "DRI") issued notices to Hewlett-Packard India Sales Private Ltd ("HP India"), a subsidiary of HP Inc., seven HP India employees and one former HP India employee alleging that HP India underpaid customs duties while importing products and spare parts into India and seeking to recover an aggregate of approximately \$370 million, plus penalties. On April 11, 2012, the Bangalore Commissioner of Customs issued an order on the products-related notices affirming duties and penalties against HP India and the named individuals for approximately \$386 million. On April 20, 2012, the Commissioner issued an order on the spare parts-related notice affirming duties and penalties against HP India and certain of the named individuals for approximately \$17 million. HP India filed appeals of the Commissioner's orders before the Customs Tribunal. The Customs Department filed cross-appeals before the Customs Tribunal. On October 27, 2014, the Customs Tribunal commenced hearings on the cross-appeals of the Commissioner's orders. The Customs Tribunal rejected HP India's request to return the matter to the Commissioner on procedural grounds. The hearings before the Customs Tribunal were subsequently delayed, have been postponed on several occasions since 2014, and have not yet been rescheduled.

ECT Proceedings. In January 2011, the postal service of Brazil, Empresa Brasileira de Correios e Telégrafos ("ECT"), notified a former subsidiary of HP Inc. in Brazil ("HP Brazil") that it had initiated administrative proceedings to consider whether to suspend HP Brazil's right to bid and contract with ECT related to alleged improprieties in the bidding and contracting processes whereby employees of HP Brazil and employees of several other companies allegedly coordinated their bids and fixed results for three ECT contracts in 2007 and 2008. In late July 2011, ECT notified HP Brazil it had decided to

apply the penalties against HP Brazil and suspend HP Brazil's right to bid and contract with ECT for five years, based upon the evidence before it. In August 2011, HP Brazil appealed ECT's decision. In April 2013, ECT rejected HP Brazil's appeal, and the administrative proceedings were closed with the penalties against HP Brazil remaining in place. In parallel, in September 2011, HP Brazil filed a civil action against ECT seeking to have ECT's decision revoked. HP Brazil also requested an injunction suspending the application of the penalties until a final ruling on the merits of the case, which was denied. HP Brazil appealed the denial of its request for injunctive relief to the intermediate appellate court, which issued a preliminary ruling denying the request for injunctive relief but reducing the length of the sanctions from five to two years. HP Brazil appealed that decision and, in December 2011, obtained a ruling staying enforcement of ECT's sanctions until a final ruling on the merits of the case. HP Brazil expects a resolution of the decision on the merits to take several years.

Forsyth, et al. vs. HP Inc. and Hewlett Packard Enterprise. This purported class and collective action was filed on August 18, 2016 in the United States District Court for the Northern District of California, against HP Inc. and Hewlett Packard Enterprise (collectively, "Defendants") alleging Defendants violated the Federal Age Discrimination in Employment Act ("ADEA"), the California Fair Employment and Housing Act, California public policy and the California Business and Professions Code by terminating older workers and replacing them with younger workers. Plaintiffs seek to certify a nationwide collective action under the ADEA comprised of individuals aged 40 years and older who had their employment terminated by an HP entity pursuant to a work force reduction ("WFR") plan. Plaintiffs also seek to certify a class under California law consisting of all persons 40 years or older employed by Defendants in the state of California and terminated pursuant to a WFR plan on or after August 18, 2012. On April 14, 2021, Plaintiffs' Motion for Conditional Class Certification was granted. The conditionally certified collective action consists of all individuals who had their employment terminated by Defendants pursuant to a WFR Plan on or after November 1, 2015, and who were 40 years or older at the time of such termination. The collective action excludes all individuals who signed a Waiver and General Release Agreement or an Agreement to Arbitrate Claims. The parties have reached an agreement to resolve this matter. Plaintiffs filed a Motion for Preliminary Approval of the Class Action and Collective Action Settlement on September 21, 2023. On November 3, 2023, the Court issued an order granting preliminary approval to the Class Action and Collective Action Settlement. On March 29, 2024, the Court granted Final Approval to the settlement following a Fairness Hearing on the parties' Motion for Final Approval. Judgment has been entered by the Court and the matter is now closed.

Q3 Networking Litigation. On September 21 and September 22, 2020, Q3 Networking LLC filed complaints against HPE, Aruba Networks, Commscope and Netgear in the United States District Court for the District of Delaware and the United States International Trade Commission ("ITC"). Both complaints allege infringement of four patents, and the ITC complaint defines the "accused products" as "routers, access points, controllers, network management servers, other networking products, and hardware and software components thereof." The ITC action was instituted on October 23, 2020. The District of Delaware action has been stayed pending resolution of the ITC action. On December 7, 2021, the Administrative Law Judge issued his initial determination finding no violation of section 337 of the Tariff Act. On May 3, 2022, the ITC issued its Notice of Final Determination, affirming the initial determination and terminating the investigation. On June 18, 2022, Q3 Networking filed a petition for review of the ITC ruling with the United States Court of Appeals for the Federal Circuit. On May 10, 2024, the United States Court of Appeals for the Federal Circuit affirmed the ITC's ruling in favor of HPE and Aruba Networks. Q3 Networking has not sought further review of the Federal Circuit's ruling and HPE considers the matter closed.

R2 Semiconductor Patent Litigation. In November 2022, R2 Semiconductor, Inc. ("R2") filed a lawsuit in the Dusseldorf Regional Court in Germany against Intel Deutschland GmbH, Hewlett-Packard GmbH, and other Intel customers. R2 asserts that one European patent is infringed by certain Intel processors and the HPE products that contain those Intel processors. On February 7, 2024, the Dusseldorf Regional Court ruled in R2's favor, issuing an injunction that, if enforced by R2, would prevent the sale in Germany of any products with infringing Intel processors, and require HPE to correspond with its direct customers in Germany requesting return of the products with infringing Intel processors. The injunction would remain in place unless the ruling is overturned on appeal, the patent is invalidated by the German Federal Patent Court, or the matter is resolved by the parties. On February 8, 2024, HPE, Intel, HP Inc., and Dell filed an appeal and request for a stay of the judgment pending appeal. On April 9, 2024 the request for a stay pending appeal was denied. On April 3, 2024, R2 filed a lawsuit in France in the first instance court in Paris (Tribunal judiciaire de Paris) against Intel Corporation, Intel Corporation SAS, Intel Deutschland GmbH, HP France SAS and certain other Intel customers. In May 2024, R2 filed suit in Milan against Intel Corporation Italia S.p.A., Hewlett-Packard Italiana S.r.l., and certain other Intel customers. R2 asserts the same European patent is infringed in both the French and Italian actions. On August 30, 2024, Intel and R2 publicly announced an agreement to dismiss all litigation between the two companies that would include dismissal of all litigation against all subsidiaries of HPE in the foregoing actions. Pursuant to that agreement, the Italian lawsuit was dismissed on September 2, 2024, the German lawsuit was dismissed on September 4, 2024, and the French Lawsuit was dismissed on September 6, 2024. These matters are now

closed.

Shared Litigation with HP Inc., DXC and Micro Focus

As part of the Separation and Distribution Agreements between Hewlett Packard Enterprise and HP Inc., Hewlett Packard Enterprise and DXC, and Hewlett Packard Enterprise and Seattle SpinCo, the parties to each agreement agreed to cooperate with each other in managing certain existing litigation related to both parties' businesses. The Separation and Distribution Agreements also included provisions that assign to the parties responsibility for managing pending and future litigation related to the general corporate matters of HP Inc. (in the case of the separation of Hewlett Packard Enterprise from HP Inc.) or of Hewlett Packard Enterprise (in the case of the separation of DXC from Hewlett Packard Enterprise and the separation of Seattle SpinCo from Hewlett Packard Enterprise), in each case arising prior to the applicable separation.

Environmental

The Company's operations and products are or may in the future become subject to various federal, state, local and foreign laws and regulations concerning the environment, including laws addressing the discharge of pollutants into the air and water; supply chain due diligence, and sustainability, environment, and emissions-related reporting; the management, movement, and disposal of hazardous substances and wastes; the clean-up of contaminated sites; product compliance and safety; the energy consumption of products, services, and operations; and the operational or financial responsibility for recycling, treatment, and disposal of those products. This includes legislation that makes producers of electrical goods, including servers and networking equipment, subject to certain reparability requirements or financially responsible for specified collection, recycling, treatment, and disposal of past and future covered products (sometimes referred to as "product take-back legislation"). The Company could incur substantial costs, its products could be restricted from entering certain jurisdictions, and it could face other sanctions, if it were to violate or become liable under environmental laws, including those related to addressing climate change and other environmental related issues, or if its products become non-compliant with such environmental laws. The Company's potential exposure includes impacts on revenue, fines and civil or criminal sanctions, third-party property damage or personal injury claims and clean-up costs. The amount and timing of costs to comply with environmental laws are difficult to predict.

In particular, the Company may become a party to, or otherwise involved in, proceedings brought by U.S. or state environmental agencies under the Comprehensive Environmental Response, Compensation and Liability Act ("CERCLA"), known as "Superfund," or other federal, state or foreign laws and regulations addressing the clean-up of contaminated sites, and may become a party to, or otherwise involved in, proceedings brought by private parties for contribution towards clean-up costs. The Company is also contractually obligated to make financial contributions to address actions related to certain environmental liabilities, both ongoing and arising in the future, pursuant to its Separation and Distribution Agreement with HP Inc.

Unconditional Purchase Obligations

As of October 31, 2024, the Company had unconditional purchase obligations of approximately \$1.3 billion. These unconditional purchase obligations include agreements to purchase goods or services that are enforceable and legally binding on the Company and that specify all significant terms, including fixed or minimum quantities to be purchased, fixed, minimum or variable price provisions and the approximate timing of the transaction, as well as settlements that the Company has reached with third parties, requiring it to pay determined amounts over a specified period of time. These unconditional purchase obligations are related principally to inventory purchases, software maintenance and support services and other items. Unconditional purchase obligations exclude agreements that are cancellable without penalty. The Company expects the commitments to total \$556 million, \$368 million, \$278 million, \$68 million, and \$13 million, for fiscal years 2025, 2026, 2027, 2028, and 2029, respectively. There are no unconditional purchase obligations subsequent to fiscal year 2029.

[XML 45 R28.htm IDEA: XBRL DOCUMENT](#)

**Guarantees and
Indemnifications**

**12 Months Ended
Oct. 31, 2024**

[Guarantees \[Abstract\]](#)

[Guarantees and
Indemnifications](#)

Guarantees and Indemnifications

Guarantees

In the ordinary course of business, the Company may issue performance guarantees to certain of its clients, customers and other parties pursuant to which the Company has guaranteed the performance obligations of third parties. Some of those guarantees may be backed by standby letters of credit or surety bonds. In general, the Company would be obligated to perform over the term of the guarantee in the event a specified triggering event occurs as defined by the guarantee. The Company believes the likelihood of having to perform under a material guarantee is remote.

The Company has entered into service contracts with certain of its clients that are supported by financing arrangements. If a service contract is terminated as a result of the Company's non-performance under the contract or failure to comply with the terms of the financing arrangement, the Company could, under certain circumstances, be required to acquire certain assets related to the service contract. The Company believes the likelihood of having to acquire a material amount of assets under these arrangements is remote.

The maximum potential future payments under performance guarantees and financing arrangements was \$298 million as of October 31, 2024.

Indemnifications

In the ordinary course of business, the Company enters into contractual arrangements under which the Company may agree to indemnify a third party to such arrangement from any losses incurred relating to the services they perform on behalf of the Company or for losses arising from certain events as defined within the particular contract, which may include, for example, litigation or claims relating to past performance. The Company also provides indemnifications to certain vendors and customers against claims of intellectual property infringement made by third parties arising from the use by such vendors and customers of the Company's software products and support services and certain other matters. Some indemnifications may not be subject to maximum loss clauses. Historically, payments made related to these indemnifications have been immaterial.

General Cross-indemnifications

In connection with the Separation, Everett and Seattle Transactions, the Company entered into a Separation and Distribution Agreement with HP Inc., DXC and Micro Focus respectively, whereby the Company agreed to indemnify HP Inc., DXC and Micro Focus, each of its subsidiaries and each of their respective directors, officers and employees from and against all liabilities relating to, arising out of or resulting from, among other matters, the liabilities allocated to the Company as part of the Separation, Everett and Seattle Transactions. Similarly, HP Inc., DXC and Micro Focus agreed to indemnify the Company, each of its subsidiaries and each of their respective directors, officers and employees from and against all claims and liabilities relating to, arising out of or resulting from, among other matters, the liabilities allocated to HP Inc., DXC and Micro Focus as part of the Separation, Everett and Seattle Transactions.

In connection with the Everett Transaction and the Seattle Transaction, the Company entered into a Tax Matters Agreement with DXC and Micro Focus respectively (the "DXC Tax Matters Agreement" and the "Micro Focus Tax Matters Agreement"). The DXC Tax Matters Agreement and the Micro Focus Tax Matters Agreement govern the rights and obligations of the Company and DXC/Micro Focus for certain pre-divestiture tax liabilities and tax receivables. The DXC Tax Matters Agreement and the Micro Focus Tax Matters Agreement generally provide that the Company will be responsible for pre-divestiture tax liabilities and will be entitled to pre-divestiture tax receivables that arise from adjustments made by tax authorities to the Company's and DXC's, or Micro Focus', as applicable, U.S. and certain non-U.S. tax returns. In certain jurisdictions, the Company and DXC/Micro Focus have joint and several liability for past tax liabilities and accordingly, the Company could be legally liable under applicable tax law for such liabilities and required to make additional tax payments.

In addition, if the distribution of Everett's or Seattle's common shares to Hewlett Packard Enterprise's stockholders is determined to be taxable, the Company would generally bear the tax liability, unless the taxability of the distribution is the direct result of actions taken by DXC/Micro Focus, in which case DXC/Micro Focus would be responsible for any taxes imposed on the distribution.

As of October 31, 2024 and 2023, the Company's receivable and payable balances related to indemnified litigation matters and other contingencies, and income tax-related indemnification covered by these agreements were as follows:

	As of October 31,			
	2024		2023	
	In millions			
Litigation Matters and Other Contingencies				
Receivable	\$	37	\$	42
Payable		47		48
Income Tax-Related Indemnification ⁽¹⁾				
Net indemnification receivable - long-term		35		31
Net indemnification receivable - short-term	\$	—	\$	11

(1) The actual amount that the Company may receive or pay could vary depending upon the outcome of certain unresolved tax matters, which may not be resolved for several years.

[XML 46 R29.htm IDEA: XBRL DOCUMENT](#)

Equity Interests

[Equity Method Investments and Joint Ventures \[Abstract\]](#)
[Equity Interests](#)

Equity Interests

The Company includes investments which are accounted for using the equity method, under Investments in equity interests on the Company's Consolidated Balance Sheets.

Pursuant to the Shareholders' Agreement among the Company's relevant subsidiaries, Unisplendour International Technology Limited ("UNIS"), and H3C dated as of May 1, 2016, as amended from time to time, and most recently on October 28, 2022, the Company delivered a notice to UNIS on December 30, 2022, to exercise its right to put to UNIS, for cash consideration, all of the H3C shares held by the Company, which represent 49% of the total issued share capital of H3C. On May 26, 2023, the Company's relevant subsidiaries entered into a Put Share Purchase Agreement with UNIS, whereby UNIS has agreed to purchase all of the H3C shares held by the Company, through its subsidiaries. On May 24, 2024, the Company's relevant subsidiaries entered into (i) an Amended and Restated Put Share Purchase Agreement with UNIS, whereby its relevant subsidiaries shall sell to UNIS 30% of the total issued share capital of H3C for pre-tax cash consideration of approximately \$2.1 billion by August 31, 2024 (the "Sale Transaction"), and (ii) an Agreement on Subsequent Arrangements with UNIS, whereby upon closing of the Sale Transaction, the Company's relevant subsidiary shall have a put option to sell to UNIS and UNIS shall have a call option to purchase from the Company's relevant subsidiary 19% of the total issued share capital of H3C for pre-tax cash consideration of approximately \$1.4 billion between the 16th month and until the 36th month after the Sale Transaction. The transactions referenced in clauses (i) and (ii) above, taken together, revise the arrangements governing the aforementioned sale of all of the H3C shares held by the Company, through its subsidiaries and are subject to certain grace periods and regulatory approvals. On September 4, 2024, pursuant to the Amended and Restated Put Share Purchase Agreement with UNIS (as described above), the Company received \$2.1 billion of pre-tax consideration (\$2.0 billion post-tax), in connection with the sale to UNIS of 30% of the total issued share capital of H3C resulting in a gain of \$733 million. As of October 31, 2024, the Company's Investments in equity interests was \$929 million and primarily related to a 19% equity interest in H3C. As of October 31, 2023, the Company's Investments in equity interests was \$2.2 billion and primarily related to a 49% equity interest in H3C.

As of October 31, 2024, the difference between the cost of the investment and the underlying equity in the net assets of the investment is \$649 million. As of October 31, 2024 and 2023, the Company determined that no impairment of its equity method investments existed.

Earnings from equity interests

The Company recorded earnings from equity interests of \$147 million, \$245 million and \$215 million in fiscal 2024, 2023 and 2022, respectively, in the Consolidated Statements of Earnings, the components of which are as follows:

	For the fiscal years ended October 31,					
	2024		2023		2022	
	In millions					
Earnings from equity interests, net of taxes	\$	154	\$	242	\$	270
Basis difference amortization		(3)		(9)		(45)
Adjustment of profit on intra-entity sales		(4)		12		(10)
Earnings from equity interests	\$	147	\$	245	\$	215

For fiscal 2024 and 2023, the Company received a cash dividend of \$43 million and \$200 million, respectively, from H3C. These amounts were accounted for as a return on investment and reflected as a reduction in the carrying balance of the Company's Investments in equity interests in its Consolidated Balance Sheets.

The Company also has commercial arrangements with H3C to buy and sell HPE branded servers, storage and networking products and services. For fiscal 2024, 2023 and 2022, HPE recorded approximately \$256 million, \$383 million and \$848 million of sales to H3C and \$72 million, \$125 million and \$148 million of purchases from H3C, respectively. Payables due to H3C as of October 31, 2024 and 2023 were approximately \$7 million and \$10 million, respectively. Receivables due from H3C as of October 31, 2024 and 2023 were approximately \$7 million and \$12 million, respectively.

[XML 47 R30.htm IDEA: XBRL DOCUMENT](#)

Pay vs Performance Disclosure - USD (\$) \$ in Millions	12 Months Ended		
	Oct. 31, 2024	Oct. 31, 2023	Oct. 31, 2022

Pay vs Performance Disclosure

Net earnings attributable to HPE \$ 2,579 \$ 2,025 \$ 868

[XML 48 R31.htm IDEA: XBRL DOCUMENT](#)

Insider Trading Arrangements	3 Months Ended	
	Oct. 31, 2024	

Trading Arrangements, by Individual

Rule 10b5-1 Arrangement Adopted false
Non-Rule 10b5-1 Arrangement Adopted false
Rule 10b5-1 Arrangement Terminated false
Non-Rule 10b5-1 Arrangement Terminated false

[XML 49 R32.htm IDEA: XBRL DOCUMENT](#)

Insider Trading Policies and Procedures	12 Months Ended	
	Oct. 31, 2024	

Insider Trading Policies and Procedures [Line Items]

Insider Trading Policies and Procedures Adopted true

[XML 50 R33.htm IDEA: XBRL DOCUMENT](#)

Overview and Summary of Significant Accounting Policies (Policies)	12 Months Ended	
	Oct. 31, 2024	

Accounting Policies [Abstract]

[Basis of Presentation and Principles of Consolidation](#)

Basis of Presentation and Principles of Consolidation

The Consolidated Financial Statements are prepared in accordance with U.S. generally accepted accounting principles ("GAAP").

The accompanying Consolidated Financial Statements include the accounts of the Company and its subsidiaries and affiliates in which the Company has a controlling financial interest or is the primary beneficiary. All intercompany transactions and accounts within the consolidated businesses of the Company have been eliminated.

The Company consolidates a Variable Interest Entity ("VIE") where it has been determined that the Company is the primary beneficiary of the entity's operation. The primary beneficiary is the party that has both the power to direct the activities that most significantly impact the VIE's economic performance and the obligation to absorb losses or the right to receive benefits of the VIE that could potentially be significant to the VIE. In evaluating whether the Company is the primary beneficiary, the Company evaluates its power to direct the most significant activities of the VIE by considering the purpose and design of the entity and the risks the entity was designed to create and pass through to its variable interest holders. The Company also evaluates its economic interests in the VIE.

The Company accounts for investments in companies over which it has the ability to exercise significant influence but does not hold a controlling interest under the equity method of accounting, and the Company records its proportionate share of income or losses in Earnings from equity interests in the Consolidated Statements of Earnings.

Non-controlling interests are presented as a separate component within Total stockholders' equity in the Consolidated Balance Sheets. Net earnings attributable to non-controlling interests are recorded within Interest and other, net in the Consolidated Statements of Earnings and are not presented separately, as they were not material for any periods presented.

Segment Realignment

Segment Realignment

Effective as of the beginning of fiscal 2024, in order to align the segment financial reporting more closely with its business structure, the Company established two new reportable segments, Hybrid Cloud and Server. Hybrid Cloud includes the historical Storage segment, HPE GreenLake Flex Solutions (which provides flexible as-a-service ("aaS") IT infrastructure through the HPE GreenLake cloud and was previously reported under the Compute and the High Performance Computing & Artificial Intelligence ("HPC & AI") segments), Private Cloud, and Software (previously reported under the Corporate Investments and Other segment). The Server segment combines the previously separately reported Compute and HPC & AI segments, with adjustments for certain product lines that are now reported in Hybrid Cloud. Additionally, certain products and services previously reported in the financial results for the HPC & AI segment were moved to be reported in the Hybrid Cloud segment, and the Athonet business and certain components of the Communications and Media Solutions ("CMS") business, both previously reported in the financial results for Corporate Investments and Other, moved to be reported in the Intelligent Edge segment.

As a result, the Company's organizational structure for fiscal 2024 consisted of the following segments: (i) Server; (ii) Hybrid Cloud; (iii) Intelligent Edge; (iv) Financial Services; and (v) Corporate Investments and Other. The Company began reporting under this re-aligned segment structure beginning with the results of the first quarter of fiscal 2024 included in the Quarterly Report on Form 10-Q for the fiscal quarter ended January 31, 2024. These changes had no impact on Hewlett Packard Enterprise's previously reported consolidated net revenue, net earnings, net earnings per share ("EPS") or total assets.

Segment Policy

Hewlett Packard Enterprise derives the results of its business segments directly from its internal management reporting system. The accounting policies that Hewlett Packard Enterprise uses to derive segment results are substantially the same as those the consolidated company uses. The CODM measures the performance of each segment based on several metrics, including earnings from operations. The CODM uses these results, in part, to evaluate the performance of, and to allocate resources to each of the segments.

Segment revenue includes revenues from sales to external customers and intersegment revenues that reflect transactions between the segments on an arm's-length basis. Intersegment revenues primarily consist of sales of hardware and software that are sourced internally and, in the majority of the cases, are financed as operating leases by FS to the Company's customers. Hewlett Packard Enterprise's consolidated net revenue is derived and reported after the elimination of intersegment revenues from such arrangements.

Financing cost in the Consolidated Statements of Earnings reflects interest expense on borrowing and funding-related activity associated with FS and its subsidiaries, and debt issued by Hewlett Packard Enterprise for which a portion of the proceeds benefited FS.

Hewlett Packard Enterprise does not allocate to its segments certain operating expenses, which it manages at the corporate level. These unallocated operating costs include certain corporate costs and eliminations, stock-based compensation expense, amortization of intangible assets, impairment of goodwill, transformation costs, disaster recovery/charges, divestiture related exit costs, and acquisition, disposition and other related charges. Total assets by segment are not presented as that information is not used to allocate resources or assess performance at the segment level and is not reviewed by the CODM.

Use of Estimates

Use of Estimates

The preparation of financial statements requires management to make estimates, judgments and assumptions that affect the amounts reported in the Consolidated Financial Statements and accompanying notes. Estimates are assessed each period and updated to reflect current information, including those related to revenue recognition, stock-based compensation, net periodic benefit costs, restructuring accruals, provision for taxes, valuation allowance for deferred taxes, provision for expected credit losses, inventory reserves, and impairment assessments of goodwill, intangible assets and other long-lived assets. The Company believes that these estimates, judgments and assumptions are reasonable under the circumstances, and are subject to significant uncertainties, some of which are beyond the Company's control. Should any of these estimates change, it could adversely affect the Company's results of operations. Actual results could differ materially from these estimates under different assumptions or conditions.

Foreign Currency Translation

Foreign Currency Translation

The Company predominately uses the U.S. dollar as its functional currency. Assets and liabilities denominated in non-U.S. currencies are remeasured into U.S. dollars at current exchange rates for monetary assets and liabilities and at historical exchange rates for non-monetary assets and liabilities. Net revenue, costs and expenses denominated in non-U.S. currencies are recorded in U.S. dollars at the average rates of exchange prevailing during the period. The Company includes gains or losses from foreign currency remeasurement in Interest and other, net in the Consolidated Statements of Earnings and gains and losses from cash flow hedges in Net revenue as the hedged revenue is recognized. Certain non-U.S. subsidiaries designate the local currency as their functional currency, and the Company records the translation of their assets and liabilities into U.S. dollars at the balance sheet date as translation adjustments and includes them as a component of Accumulated other comprehensive loss in the Consolidated Balance Sheets.

Revenue Recognition

Revenue Recognition

The Company accounts for a contract with a customer when both parties have provided written approval and are committed to perform, each party's rights including payment terms are identified, the contract has commercial substance, and collection of consideration is probable.

The Company enters into contracts with customers that typically include combinations of products and services, resulting in arrangements containing multiple performance obligations for hardware and software products and/or various services. The Company determines whether each product or service is distinct in order to identify the performance obligations in the contract and allocate the contract transaction price among the distinct performance obligations. Arrangements are distinct based on whether the customer can benefit from the product or service on its own or together with other resources that are readily available and whether the commitment to transfer the product or service to the customer is separately identifiable from other obligations in the contract. The Company classifies its hardware, perpetual software licenses, service arrangements and software-as-a-service ("SaaS") as distinct performance obligations. Term software licenses represent multiple obligations, which include software licenses and software maintenance. In transactions where the Company delivers hardware or software, it is typically the principal and records revenue and costs of goods sold on a gross basis.

The majority of the Company's revenue is derived from sales of products and services and the associated support and maintenance, and such revenue is recognized when, or as, control of promised products or services is transferred to the customer, in an amount that reflects the consideration to which the Company expects to be entitled, in exchange for those products or services. Variable consideration offered in contracts with customers, partners and distributors may include rebates, volume-based discounts, price protection, and other incentive programs. Variable consideration is estimated at contract inception and updated at the end of each reporting period as additional information becomes available and recognized only to the extent that it is probable that a significant reversal of revenue will not occur.

Transfer of control occurs once the customer has the contractual right to use the product, generally upon delivery once title and risk of loss has transferred to the customer. Transfer of control can also occur over time for maintenance and services as the customer receives the benefit over the contract term. The Company's hardware and perpetual software licenses are distinct performance obligations where revenue is recognized upfront upon transfer of control. Term software licenses include multiple performance obligations where the term licenses are recognized upfront upon transfer of control, with the associated software maintenance revenue recognized ratably over the contract term as services and software updates are provided. SaaS arrangements have one distinct performance obligation which is satisfied over time with revenue recognized ratably over the contract term as the customer consumes the services. On its product sales, the Company records consideration from shipping and handling on a gross basis within net product sales. Revenue is recorded net of any associated sales taxes.

The Company allocates the transaction price for the contract among the performance obligations on a relative standalone selling price basis ("SSP"). For products and services sold as a bundle, the SSP is generally not directly observable and requires the Company to estimate SSP based on management judgment by considering available data such as internal margin objectives, pricing strategies, market/competitive conditions, historical profitability data, as well as other observable inputs. For certain products and services, the Company establishes SSP based on the observable price when sold separately in similar circumstances to similar customers. The Company establishes SSP ranges for its products and services and reassesses them periodically.

Judgment is applied in determining the transaction price as the Company may be required to estimate variable consideration when determining the amount of revenue to recognize. Variable consideration may include various rebates, volume-based discounts, price protection, and other incentive programs that are offered to customers, partners and distributors. When determining the amount of revenue to recognize, the Company estimates the expected usage of these programs, applying the expected value or most likely estimate and updates the estimate at each reporting period as actual utilization becomes available. The Company also considers the customers' right of return in determining the transaction price, where applicable.

Contract Balances

Accounts receivable and contract assets

A receivable is a right to consideration in exchange for products or services the Company has transferred to a customer that is unconditional. A contract asset is a right to consideration in exchange for products or services transferred to a customer that is conditional on something other than the passage of time. A receivable is recorded when the right to consideration becomes unconditional.

The Company's contract assets include unbilled receivables which are recorded when the Company recognizes revenue in advance of billings. Unbilled receivables generally relate to services contracts where a service has been performed and control has transferred, but invoicing to the customer is subject to future milestone billings or other contractual payment schedules. The Company classifies unbilled receivables as Accounts receivable.

Contract liabilities

A contract liability is an obligation to transfer products or services to a customer for which the Company has received consideration, or the amount is due, from the customer. The Company's contract liabilities primarily consist of deferred revenue and customer deposits. Deferred revenue is recorded when amounts invoiced to customers are in excess of revenue that can be recognized because performance obligations have not been satisfied and control of the promised products or services has not transferred to the customer. Deferred revenue largely represents amounts invoiced in advance for product (hardware/software) support contracts, consulting projects and product sales where revenue cannot be recognized yet. Customer deposits largely represent payments received from customers in advance of the Company's completion of its contractual obligations. As customer acceptance milestones are met, the Company will recognize revenue and reduce the amount of contract liabilities.

Costs to obtain a contract with a customer

The Company capitalizes the incremental costs of obtaining a contract with a customer, primarily sales commissions, if the Company expects to recover those costs. The Company has elected, as a practical expedient, to expense the costs of obtaining a contract as incurred for contracts with terms of one year or less. The typical amortization periods used range from two to five years. The Company periodically reviews the capitalized sales commission costs for possible impairment losses. The amortization of capitalized costs to obtain a contract are included in Selling, general and administrative expense. Refer to Note 7, "Balance Sheet Details" for additional information.

Shipping and Handling

Shipping and Handling

The Company includes costs related to shipping and handling in Cost of products.

Stock-Based Compensation

Stock-Based Compensation

Stock-based compensation expense is based on the measurement date fair value of the award and is recognized only for those awards expected to meet the service and performance vesting conditions. Stock-based compensation expense for stock options and restricted stock units with only a service condition is recognized on a straight-line basis over the requisite service period of the award. For stock options and restricted stock units with both a service condition and a performance or market condition, the expense is recognized on a graded vesting basis over the requisite service period of the award. Stock-based compensation expense is determined at the aggregate grant level for service-based awards and at the individual vesting tranche level for awards with performance and/or market conditions. The forfeiture rate is estimated based on historical experience.

Stock Options

Stock options granted under the Plan are generally non-qualified stock options, but the Plan permits some options granted to qualify as incentive stock options under the U.S. Internal Revenue Code. The exercise price of a stock option is equal to the closing price of the Company's common stock on the option grant date. The majority of the stock options issued by the Company contain only service vesting conditions. The Company has also issued performance-contingent stock options that vest only on the satisfaction of both service and market conditions. The Company did not issue stock options in fiscal 2024, 2023, and 2022. The expenses associated with stock options were not material for any of the periods presented.

The Company utilizes the Black-Scholes-Merton option pricing formula to estimate the fair value of stock options subject to service-based vesting conditions. The Company estimates the fair value of stock options subject to performance-contingent vesting conditions using a combination of a Monte Carlo simulation model and a lattice model, as these awards contain market conditions.

Retirement and Post-Retirement Plans

Retirement and Post-Retirement Plans

The Company has various defined benefit, other contributory and noncontributory, retirement and post-retirement plans. The costs and obligations for these plans depend on various assumptions. Major assumptions relate primarily to discount rates, mortality rates, expected increases in compensation levels and the expected long-term return on plan assets. These assumptions vary by plan, and the weighted-average rates used are set forth in Note 4, "Retirement and Post-Retirement Benefit Plans."

The discount rate assumption is based on current investment yields of high-quality fixed-income securities with maturities similar to the expected benefits payment period. Mortality rates help predict the expected life of plan participants and are based on a historical demographic study of the plan. The expected increase in the compensation levels assumption reflects long-term actual experience and future expectations. The expected long-term return on plan assets is determined based on asset allocations, historical portfolio results, historical asset correlations and management's expected returns for each asset class. In any fiscal year, significant differences may arise between the actual return and the expected long-term return on plan assets. Historically, differences between the actual return and expected long-term return on plan assets have resulted from changes in target or actual asset allocation, short-term performance relative to expected long-term performance, and to a lesser extent, differences between target and actual investment allocations, the timing of benefit payments compared to expectations, and the use of derivatives intended to effect asset allocation changes or hedge certain investment or liability exposures.

The following table provides the impact changes in the weighted-average assumptions of discount rates, the expected increase in compensation levels and the expected long-term return on plan assets would have had on the net periodic benefit cost for fiscal 2024:

	Change in basis points		Change in Net Periodic Benefit Cost In millions
Assumptions:			
Discount rate	(25)	\$	17
Expected increase in compensation levels	25		3
Expected long-term return on plan assets	(25)	\$	25

The Company generally amortizes unrecognized actuarial gains and losses on a straight-line basis over the average remaining estimated service life or, in the case of

closed plans, life expectancy of participants. In limited cases, actuarial gains and losses are amortized using the corridor approach.

[Advertising](#)

Advertising

Costs to produce advertising are expensed as incurred during production. Costs to communicate advertising are expensed when the advertising is first run. Advertising expense totaled approximately \$117 million, \$173 million, and \$179 million in fiscal 2024, 2023, and 2022, respectively.

[Restructuring](#)

Restructuring

The Company's transformation programs include charges to approved restructuring plans. Restructuring charges include severance costs to eliminate a specified number of employees, infrastructure charges to vacate facilities and consolidate operations, and contract cancellation costs. These restructuring actions require management to estimate the timing and amount of severance and other employee separation costs for workforce reduction and enhanced early retirement programs, the fair value of assets made redundant or obsolete, and the value of lease and contract cancellation and other exit costs. The Company records restructuring charges based on estimated employee terminations and site closure and consolidation plans. The Company accrues for severance and other employee separation costs under these actions when it is probable that benefits will be paid and the amount is reasonably estimable. The rates used in determining severance accruals are based on existing plans, historical experiences and negotiated settlements. For a full description of the Company's restructuring actions, refer to the discussions in Note 3, "Transformation Programs."

[Taxes on Earnings](#)

Taxes on Earnings

The Company recognizes deferred tax assets and liabilities for the expected tax consequences of temporary differences between the tax bases of assets and liabilities and their reported amounts using enacted tax rates in effect for the year the differences are expected to reverse.

The Company records a valuation allowance to reduce deferred tax assets to the amount that is more likely than not to be realized. In determining the need for a valuation allowance, the Company considers future market growth, forecasted earnings, future sources of taxable income, the mix of earnings in the jurisdictions in which the Company operates, and prudent and feasible tax planning strategies. In the event the Company were to determine that it is more likely than not that the Company will be unable to realize all or part of its deferred tax assets in the future, the Company would increase the valuation allowance and recognize a corresponding charge to earnings in the period in which such a determination was made. Likewise, if the Company later determines that the deferred tax assets are more likely than not to be realized, the Company would reverse the applicable portion of the previously recognized valuation allowance. In order for the Company to realize deferred tax assets, the Company must be able to generate sufficient taxable income, of the appropriate character, in the jurisdictions in which the deferred tax assets are located, prior to their expiration under applicable tax laws.

The Company records accruals for uncertain tax positions when the Company believes that it is not more likely than not that the tax position will be sustained on examination by the taxing authorities based on the technical merits of the position. The provision for income taxes includes the effects of adjustments for uncertain tax positions as well as any related interest and penalties. The Company recognizes interest income from favorable settlements and interest expense and penalties accrued on unrecognized tax benefits in Provision for taxes in the Consolidated Statements of Earnings.

The Company is subject to the Global Intangible Low Taxed Income ("GILTI") tax in the U.S. The Company elected to treat taxes on future GILTI inclusions in U.S. taxable income as a current period expense when incurred.

The Company believes it has provided adequate reserves for all tax deficiencies or reductions in tax benefits that could result from federal, state and foreign tax audits. The Company regularly assesses the likely outcomes of these audits in order to determine the appropriateness of the Company's tax provision. The Company adjusts its uncertain tax positions to reflect the impact of negotiations, settlements, rulings, advice of legal counsel, and other information and events pertaining to a particular audit. However, income tax audits are inherently unpredictable and there can be no assurance that the Company will accurately predict the outcome of these audits. The amounts ultimately paid on resolution of an audit could be materially different from the amounts previously included in the Provision for taxes and therefore the resolution of one or more of these uncertainties in any particular period could have a material impact on net earnings or cash flows.

The Company has not provided for U.S. federal and state income and foreign withholding taxes on \$9.3 billion of undistributed earnings and basis differences from non-U.S. operations as of October 31, 2024 because the Company intends to reinvest such earnings indefinitely outside of the U.S. Determination of the amount of unrecognized deferred tax liability related to these earnings and basis differences is not practicable. The Company will remit non-indefinitely reinvested earnings of its non-U.S. subsidiaries for which deferred U.S. state income and foreign withholding taxes have been provided where excess cash has accumulated and the Company determines that it is advantageous for business operations, tax or cash management reasons.

Deferred Income Taxes

Deferred income taxes result from temporary differences between the amount of assets and liabilities recognized for financial reporting and tax purposes.

[Accounts Receivable](#)

Accounts Receivable

The allowance for expected credit losses related to accounts receivable is comprised of a general reserve and a specific reserve. The Company may record a specific reserve for individual accounts when the Company becomes aware of specific customer circumstances, such as in the case of a bankruptcy filing or deterioration in the customer's operating results or financial position. If there are additional changes in circumstances related to the specific customer, the Company further adjusts estimates of the recoverability of receivables. The Company maintains an allowance for credit losses for all other customers based on a variety of factors, including the financial condition of customers and the length of time receivables are past due. These qualitative factors are subjective and require a degree of management judgment. The past due or delinquency status of a receivable is based on the contractual payment terms of the receivable. The Company establishes an allowance for expected credit losses related to accounts receivable, including unbilled receivables.

Financing Receivable

The allowance for expected credit losses related to financing receivables is comprised of a general reserve and a specific reserve. The Company establishes a specific reserve for financing receivables with identified exposures, such as customer defaults, bankruptcy or other events, that make it unlikely the Company will recover its investment. For individually evaluated receivables, the Company determines the expected cash flow for the receivable, which includes consideration of estimated proceeds from disposition of the collateral and calculates an estimate of the potential loss and the probability of loss. For those accounts where a loss is considered probable, the Company records a specific reserve. The Company maintains a general reserve using a credit loss model on a regional basis and bases such percentages on several factors, including consideration of historical credit losses and portfolio delinquencies, trends in the overall weighted-average risk rating of the portfolio, current economic conditions, and forward-looking information, including reasonable and supportable forecasts. The Company excludes accounts evaluated as part of the specific reserve from the general reserve analysis. The Company generally writes off a receivable or records a specific reserve when a receivable becomes 180 days past due, or sooner if the Company determines that the receivable is not collectible.

Non-Accrual and Past-Due Financing Receivables

The Company considers a financing receivable to be past due when the minimum payment is not received by the contractually specified due date. The Company generally places financing receivables on non-accrual status, which is the suspension of interest accrual, and considers such receivables to be non-performing at the earlier of the time at which full payment of principal and interest becomes doubtful or the receivable becomes 90 days past due. Subsequently, the Company may recognize revenue on non-accrual financing receivables as payments are received, which is on a cash basis, if the Company deems the recorded financing receivable to be fully collectible; however, if there is doubt regarding the ultimate collectability of the recorded financing receivable, all cash receipts are applied to the carrying amount of the financing receivable, which is the cost recovery method. In certain circumstances, such as when the Company deems a delinquency to be of an administrative nature, financing receivables may accrue interest after becoming 90 days past due. The non-accrual status of a financing receivable may not impact a customer's risk rating. After all of a customer's delinquent principal and interest balances are settled, the Company may return the related financing receivable to accrual status.

[Concentrations of Risk](#)

Concentrations of Risk

Financial instruments that potentially subject the Company to significant concentrations of credit risk consist principally of cash, cash equivalents and restricted cash, investments, receivables from trade customers and contract manufacturers, financing receivables and derivatives.

The Company maintains cash, cash equivalents and restricted cash, investments, derivatives, and certain other financial instruments with various financial institutions. These financial institutions are located in many different geographic regions, and the Company's policy is designed to limit exposure from any particular institution. As part of its risk management processes, the Company performs periodic evaluations of the relative credit standing of these financial institutions. The Company has not sustained material credit losses from instruments held at these financial institutions. The Company utilizes derivative contracts to protect against the effects of foreign currency and interest rate exposures. Such contracts involve the risk of non-performance by the counterparty, which could result in a material loss. For more details on the collateral program, see Note 13, "Financial Instruments."

Credit risk with respect to accounts receivable from trade customers and financing receivables is generally diversified due to the large number of entities comprising the Company's customer base and their dispersion across many different industries and geographic regions. The Company performs ongoing credit evaluations of the financial condition of its customers and may require collateral, such as letters of credit and bank guarantees, in certain circumstances. As of October 31, 2024 and 2023 no single customer accounted for more than 10% of the Company's receivable from trade customers and financing receivables.

[Restricted Cash](#)

Restricted Cash

Restricted cash is included within Other current assets in the accompanying Consolidated Balance Sheets and is primarily related to cash received under the Company's collateral securities agreements for its derivative instruments and cash restricted under the fixed-term securitization program for the issuance of asset-backed debt securities.

[Inventory](#)

Inventory

The Company values inventory at the lower of cost or net realizable value. Cost is computed using standard cost which approximates actual cost on a first-in, first-out basis. At each reporting period, the Company assesses the value of its inventory and writes down the cost of inventory to its net realizable value if required, for estimated excess or obsolescence. Factors influencing these adjustments include changes in future demand forecasts, market conditions, technological changes, product life-cycle and development plans, component cost trends, product pricing, physical deterioration, and quality issues. If in any period the Company anticipates a change in those factors to be less favorable than its previous estimates, additional inventory write-downs may be required and could materially impact gross margin. The write down for excess or obsolescence is charged to the provision of inventory, which is a component of Cost of Products and Cost of Services in the Consolidated Statements of Earnings. At the point of the loss recognition, a new, lower cost basis for that inventory is established, and subsequent changes in facts and circumstances do not result in the restoration or increase in that newly established cost basis.

Property, Plant and Equipment, net

The Company states property, plant and equipment at cost less accumulated depreciation. The Company capitalizes additions and improvements and expenses maintenance and repairs as incurred. Depreciation expense is recognized on a straight-line basis over the estimated useful lives of the assets. Estimated useful lives are five to 40 years for buildings and improvements and three to 15 years for machinery and equipment. The Company depreciates leasehold improvements over the life of the lease or the asset, whichever is shorter. The Company depreciates equipment held for lease over the initial term of the lease to the equipment's estimated residual value. The estimated useful lives of assets used solely to support a customer services contract generally do not exceed the term of the customer contract. On retirement or disposition, the asset cost and related accumulated depreciation are removed from the Consolidated Balance Sheets with any gain or loss recognized in the Consolidated Statements of Earnings.

The Company capitalizes certain internal and external costs incurred to acquire or create internal use software, principally related to software coding, designing system interfaces and installation and testing of the software. The Company amortizes capitalized internal use software costs using the straight-line method over the estimated useful lives of the software, generally from three to five years.

[Lessee Accounting](#)

Lessee Accounting

The Company enters into various leases as a lessee for assets including office buildings, data centers, vehicles, and aviation. The Company determines if an arrangement is a lease at inception. An arrangement contains a lease when the arrangement conveys the right to control the use of an identified asset over the lease term. Upon lease commencement, the Company records a lease liability for the obligation to make lease payments and right-of-use ("ROU") asset for the right to use the underlying asset for the lease term in the Consolidated Balance Sheets. The lease liability is measured at commencement date based on the present value of lease payments not yet paid over the lease term and the Company's incremental borrowing rate. As most of the Company's leases do not provide an implicit rate, the Company uses an incremental borrowing rate which approximates the rate at which the Company would borrow, on a secured basis, in the country where the lease was executed. The ROU asset is based on the lease liability, adjusted for lease prepayments, lease incentives received, and the lessee's initial direct costs. Fixed payments are included in the recognition of ROU assets and liabilities, while non-lease components, such as maintenance or utility charges are expensed as incurred. The Company has agreements with lease and non-lease components that are accounted for separately and not included in its leased assets and corresponding liabilities for the majority of the Company's lease agreements. The Company allocates consideration to the lease and non-lease components using their relative standalone values. The lease term may include options to extend or to terminate the lease that the Company is reasonably certain to exercise. The Company has elected not to record leases with an initial term of twelve months or less on the Consolidated Balance Sheets.

For finance leases, the ROU asset is amortized on a straight-line basis over the shorter of the useful life of the asset or the lease term. Interest expense on the lease liability is recorded separately using the interest method. For operating leases, lease expense is generally recognized on a straight-line basis over the lease term.

[Lessor Accounting](#)

Lessor Accounting

The Company's lease offerings are non-cancelable and the payment schedule primarily consists of fixed payments. Variable payments that are based on an index are included in lease receivables. The Company allocates consideration amongst lease components and non-lease components on a relative standalone selling price basis, when lease arrangements include multiple performance obligations. At the end of the lease term, the Company allows the client to either return the equipment, purchase the equipment or renew the lease based on mutually agreed upon terms.

The Company retains a residual position in equipment through lease and finance agreements which is equivalent to an estimated market value. The residual amount is established prior to lease inception, based upon estimated equipment values at end of lease using product road map trends, historical analysis, future projections and

remarketing experience. The Company's residual amounts are evaluated at least annually to assess the appropriateness of the carrying values. Any anticipated declines in specific future residual values that are considered to be other-than-temporary would be recorded in current earnings. The Company is able to optimize the recovery of residual values by selling equipment in place, extending lease arrangements on a fixed term basis, entering into a monthly usage rental term beyond the initial lease term, and selling lease returned equipment in the secondary market. The contractual lease agreement also identifies return conditions that ensures the leased equipment will be in good operating condition upon return minus any normal wear and tear. During the residual review process, product changes, product updates, as well as market conditions are reviewed and adjustments if other than temporary are made to residual values in accordance with the impact of any such changes. The remarketing sales organization closely manages the sale of equipment lease returns to optimize the recovery of outstanding residual by product.

[Business Combinations](#)

Business Combinations

The Company includes the results of operations of acquired businesses in the Company's consolidated results prospectively from the date of acquisition. The Company allocates the fair value of purchase consideration to the assets acquired including in-process research and development ("IPR&D"), liabilities assumed, and non-controlling interests in the acquired entity based on their fair values at the acquisition date. IPR&D is initially capitalized at fair value as an intangible asset with an indefinite life and assessed for impairment thereafter. The excess of the fair value of purchase consideration over the fair value of the assets acquired, liabilities assumed and non-controlling interests in the acquired entity is recorded as goodwill. The primary items that generate goodwill include the value of the synergies between the acquired company and the Company and the value of the acquired assembled workforce, neither of which qualifies for recognition as an intangible asset. Acquisition-related expenses and post-acquisition restructuring costs are recognized separately from the business combination and are expensed as incurred.

[Goodwill](#)

Goodwill

The Company reviews goodwill for impairment annually and whenever events or changes in circumstances indicate the carrying amount of goodwill may not be recoverable. In evaluating goodwill for impairment, the Company has the option to first perform a qualitative test to determine whether further impairment testing is necessary or to perform a qualitative assessment by comparing the fair value of the reporting unit to its carrying amount. Under the qualitative assessment, the Company is not required to calculate the fair value of a reporting unit unless it determines that it is more likely than not that the fair value of a reporting unit is less than its carrying amount. Qualitative factors include, but are not limited to, the macroeconomic and industry environment as well as Company-specific factors. The Company elects to perform a quantitative test for all of its reporting units as part of its annual goodwill impairment assessment in the fourth quarter of each fiscal year.

In the quantitative assessment, the Company estimates the fair value of its reporting units using a weighting of fair values derived most significantly from the income approach, and to a lesser extent, the market approach. Under the income approach, the Company estimates the fair value of a reporting unit based on the present value of estimated future cash flows covering discrete forecast periods as well as terminal value determinations. The Company prepares cash flow projections based on management's estimates of revenue growth rates and operating margins, taking into consideration industry and market conditions. The Company bases the discount rate on the weighted-average cost of capital adjusted for the relevant risk associated with business-specific characteristics and the uncertainty related to the reporting unit's ability to execute on the projected cash flows. Under the market approach, the Company estimates fair value based on market multiples of revenue and earnings derived from comparable publicly traded companies with similar operating and investment characteristics as the reporting unit. The Company weights the fair value derived from the market approach commensurate with the level of comparability of these publicly traded companies to the reporting unit. When market comparables are not meaningful or not available, the Company estimates the fair value of a reporting unit using only the income approach.

If the fair value of a reporting unit exceeds the carrying amount of the net assets assigned to that reporting unit, goodwill is not impaired and no further testing is required. If the fair value of the reporting unit is less than its carrying amount, goodwill is impaired. The goodwill impairment loss is measured as the excess of the reporting unit's carrying value over its fair value (not to exceed the total goodwill allocated to that reporting unit).

[Intangible Assets and Long-Lived Assets](#)

Intangible Assets and Long-Lived Assets

The Company reviews intangible assets with finite lives, long-lived assets and ROU assets for impairment whenever events or changes in circumstances indicate the carrying amount of an asset may not be recoverable. For lease assets such circumstances would include a decision to abandon the use of all or part of an asset, or subleases that do not fully recover the costs of the associated lease. The Company assesses the recoverability of assets based on the estimated undiscounted future cash flows expected to result from the use and eventual disposition of the asset. If the undiscounted future cash flows are less than the carrying amount, the asset is impaired. The Company measures the amount of impairment loss, if any, as the difference between the carrying amount of the asset and its fair value using an income approach or, when available and appropriate, using a market approach. The Company amortizes intangible assets with finite lives using the straight-line method over the estimated economic lives of the assets, ranging from one to ten years. Intangible assets purchased as part of an acquisition are included in Intangible assets, net in the Consolidated Balance Sheets. All other separately purchased intangible assets are included in Long-term financing receivables and other assets in the Consolidated Balance Sheets.

Software development costs related to the development of new product offerings are capitalized subsequent to the establishment of technological feasibility, which is demonstrated by the completion of a detail program design or working model. Software development costs are included in Intangible assets, net in the Consolidated Balance Sheets. The Company amortizes capitalized costs on a straight-line basis over the estimated useful life of products, which is generally three years.

[Equity Method Investments](#)

Equity Method Investments

Investments and ownership interests are accounted for under equity method accounting if the Company has the ability to exercise significant influence, but does not have a controlling financial interest. The Company records its interest in the net earnings of its equity method investees, along with adjustments for unrealized profits or losses on intra-entity transactions and amortization of basis differences, within Earnings from equity interests in the Consolidated Statements of Earnings. Profits or losses related to intra-entity sales with its equity method investees are eliminated until realized by the investor or investee. Basis differences represent differences between the cost of the investment and the underlying equity in net assets of the investment and are generally amortized over the lives of the related assets that gave rise to them. Equity method goodwill is not amortized or tested for impairment; instead the equity method investment is tested for impairment. The Company records its interest in the net earnings of its equity method investments based on the most recently available financial statements of the investees.

The carrying amount of the investment in equity interests is adjusted to reflect the Company's interest in net earnings, dividends received and other-than-temporary impairments. The Company reviews for impairment whenever factors indicate that the carrying amount of the investment might not be recoverable. In such a case, the decrease in value is recognized in the period the impairment occurs in the Consolidated Statements of Earnings.

[Equity Securities Investments](#)

Equity Securities Investments

Equity securities investments with readily determinable fair values (other than those accounted for under the equity method or those that result in consolidation of the investee) are measured at fair value and any changes in fair value are recognized in Interest and other, net in the Consolidated Statements of Earnings. For equity investments without readily determinable fair values, the Company may elect to apply the measurement alternative or the fair value option. Under the measurement alternative investments are measured at cost, less impairment, and adjusted for qualifying observable price changes on a prospective basis. The Company reviews for impairment at each reporting period, assessing factors such as deterioration of earnings, adverse change in market/industry conditions, the ability to operate as a going concern, and other factors which indicate that the carrying amount of the investment might not be recoverable. In such a case, the decrease in value is recognized in the period the impairment occurs in the Consolidated Statements of Earnings. The Company elects the fair value option when it believes that it best reflects the underlying economics of the investment. These investments may be valued using third-party pricing services at each reporting date with changes in fair value recorded as a component of Interest and other, net in the Consolidated Statements of Earnings.

[Debt Securities Investments](#)

Debt Securities Investments

Debt securities are generally considered available-for-sale and are reported at fair value with unrealized gains and losses, net of applicable taxes, recorded in Accumulated other comprehensive loss in the Consolidated Balance Sheets. Realized gains and losses for available-for-sale securities are calculated based on the specific identification method and included in Interest and other, net in the Consolidated Statements of Earnings. The Company monitors its investment portfolio for potential impairment on a quarterly basis. When the carrying amount of an investment in debt securities exceeds its fair value and the decline in value is determined to be due to credit-related factors, the Company recognizes the impairment using an allowance for credit loss in

Interest and other, net, in the Consolidated Statements of Earnings, while the impairment that is not credit related is recorded in Accumulated other comprehensive loss in the Consolidated Balance Sheets.

[Derivatives](#)

Derivatives

The Company uses derivative financial instruments, primarily forwards, swaps, and, at times, options, to manage a variety of risks, including risks related to foreign currency and interest rate exposures. The Company does not use derivative financial instruments for speculative purposes.

The Company receives fair value to sell an asset or pay to transfer a liability in an orderly transaction between market participants at the measurement date. When prices in active markets are not available for an identical asset or liability, the Company generally uses industry standard valuation models to measure the fair value of derivative positions. Such measurements involve projecting future cash flows and discounting the future amounts to present value using market based observable inputs, including interest rate curves, Company and counterparty credit risk, foreign currency exchange rates, and forward and spot prices. In the absence of such data, the Company will use internal information that is consistent with what market participants would use in a hypothetical transaction that occurs at the measurement date. The determination of fair value often involves significant judgments about assumptions such as determining an appropriate discount rate that factors in both risk and liquidity premiums, identifying the similarities and differences in market transactions, weighting those differences accordingly and then making the appropriate adjustments to those market transactions to reflect the risks specific to the asset or liability being valued.

Derivative Instruments

The Company is a global company exposed to foreign currency exchange rate fluctuations and interest rate changes in the normal course of its business. As part of its risk management strategy, the Company uses derivative instruments, primarily forward contracts, interest rate swaps and total return swaps to hedge certain foreign currency, interest rate and, to a lesser extent, equity exposures. The Company's objective is to offset gains and losses resulting from these exposures with losses and gains on the derivative contracts used to hedge them, thereby reducing volatility of earnings or protecting the fair value of assets and liabilities. The Company does not have any leveraged derivatives and does not use derivative contracts for speculative purposes. The Company may designate its derivative contracts as fair value hedges, cash flow hedges or hedges of the foreign currency exposure of a net investment in a foreign operation ("net investment hedges"). Additionally, for derivatives not designated as hedging instruments, the Company categorizes those economic hedges as other derivatives. Derivative instruments are recognized at fair value in the Consolidated Balance Sheets. The change in fair value of the derivative instruments is recognized in the Consolidated Statements of Earnings or Consolidated Statements of Comprehensive Income depending upon the type of hedge as further discussed below. The Company classifies cash flows from its derivative programs with the activities that correspond to the underlying hedged items in the Consolidated Statements of Cash Flows.

As a result of its use of derivative instruments, the Company is exposed to the risk that its counterparties will fail to meet their contractual obligations. To mitigate counterparty credit risk, the Company has a policy to enter into derivative contracts with carefully selected major financial institutions based on their credit ratings and other factors, and the Company maintains dollar risk limits that correspond to each financial institution's credit rating and other factors. The Company's established policies and procedures for mitigating credit risk include reviewing and establishing limits for credit exposure and periodically reassessing the creditworthiness of its counterparties. Master netting agreements also mitigate credit exposure to counterparties by permitting the Company to net amounts due from the Company to a counterparty against amounts due to the Company from the same counterparty under certain conditions.

To further mitigate credit exposure to counterparties, the Company has collateral security agreements, which allow the Company to hold collateral from, or require the Company to post collateral to counterparties when aggregate derivative fair values exceed contractually established thresholds which are generally based on the credit ratings of the Company and its counterparties. If the Company's credit rating falls below a specified credit rating, the counterparty has the right to request full collateralization of the derivatives' net liability position. Conversely, if the counterparty's credit rating falls below a specified credit rating, the Company has the right to request full collateralization of the derivatives' net liability position. Collateral is generally posted within two business days. The fair value of the Company's derivatives with credit contingent features in a net liability position was \$23 million and \$108 million at October 31, 2024 and 2023, respectively, most of which were fully collateralized within two business days.

Under the Company's derivative contracts, the counterparty can terminate all outstanding trades following a covered change of control event affecting the Company that results in the surviving entity being rated below a specified credit rating. This credit contingent provision did not affect the Company's financial position or cash flows as of October 31, 2024 and 2023.

Fair Value Hedges

The Company issues long-term debt in U.S. dollars based on market conditions at the time of financing. The Company may enter into fair value hedges, such as interest rate swaps, to reduce the exposure of its debt portfolio to changes in fair value resulting from changes in interest rates by achieving a primarily U.S. dollar LIBOR-based floating interest rate which was replaced with SOFR starting in July of fiscal 2023. The swap transactions generally involve principal and interest obligations for U.S. dollar-denominated amounts. Alternatively, the Company may choose not to swap fixed for floating interest payments or may terminate a previously executed swap if it believes a larger proportion of fixed-rate debt would be beneficial. When investing in fixed-rate instruments, the Company may enter into interest rate swaps that convert the fixed interest payments into variable interest payments and may designate these swaps as fair value hedges.

For derivative instruments that are designated and qualify as fair value hedges, the Company recognizes the change in fair value of the derivative instrument, as well as the offsetting change in the fair value of the hedged item, in Interest and other, net in the Consolidated Statements of Earnings in the period of change.

Cash Flow Hedges

The Company uses forward contracts designated as cash flow hedges to protect against the foreign currency exchange rate risks inherent in its forecasted net revenue and, to a lesser extent, cost of sales, operating expenses, and intercompany loans denominated in currencies other than the U.S. dollar. The Company's foreign currency cash flow hedges mature generally

within twelve months; however, forward contracts associated with sales-type and direct-financing leases and intercompany loans extend for the duration of the lease or loan term, which can extend up to five years.

For derivative instruments that are designated and qualify as cash flow hedges, and as long as they remain highly effective, the Company records the changes in fair value of the derivative instrument in Accumulated other comprehensive loss as a separate component of equity in the Consolidated Balance Sheets and subsequently reclassifies these amounts into earnings in the same financial statement line item when the hedged transaction is recognized.

In connection with the Company’s pending acquisition of Juniper Networks and related debt issuances, the Company entered into interest rate locks for an aggregate notional amount of \$2.6 billion. These contracts were settled in fiscal 2024, the Company recognized a loss of \$42 million in accumulated other comprehensive income.

Net Investment Hedges

The Company uses forward contracts designated as net investment hedges to hedge net investments in certain foreign subsidiaries whose functional currency is the local currency. The Company records the changes in the fair value of the hedged items in cumulative translation adjustment as a separate component of equity in the Consolidated Balance Sheets.

Other Derivatives

Other derivatives not designated as hedging instruments consist primarily of forward contracts used to hedge foreign currency-denominated balance sheet exposures. The Company also uses total return swaps, based on equity or fixed income indices, to hedge its executive deferred compensation plan liability.

For derivative instruments not designated as hedging instruments, the Company recognizes changes in fair value of the derivative instrument, as well as the offsetting change in the fair value of the hedged item, in Interest and other, net in the Consolidated Statements of Earnings in the period of change.

Hedge Effectiveness

For interest rate swaps designated as fair value hedges, the Company measures hedge effectiveness by offsetting the change in fair value of the hedged items with the change in fair value of the derivative. For forward contracts designated as cash flow or net investment hedges, the Company measures hedge effectiveness by comparing the cumulative change in fair value of the hedge contract with the cumulative change in fair value of the hedged item, both of which are based on forward rates.

[Contingencies](#)

Contingencies

The Company is involved in various lawsuits, claims, investigations, and proceedings that arise in the ordinary course of business. The Company records a liability for contingencies when it believes it is both probable that a liability has been incurred and the amount of the loss can be reasonably estimated. The Company does not record gain contingencies until realized.

[Warranties](#)

Warranties

The Company accrues the estimated cost of product warranties at the time of recognizing revenue. The Company’s standard product warranty terms generally include post-sales support and repairs or replacement of a product at no additional charge for a specified period of time. The Company engages in extensive product quality programs and processes, including actively monitoring and evaluating the quality of its component suppliers. The estimated warranty obligation is based on contractual warranty terms, repair costs, product call rates, average cost per call, current period product shipments and ongoing product failure rates, as well as specific product class failure outside of the Company’s baseline experience. Warranty terms generally range from one to five years for parts and labor, depending upon the product. For certain networking products, the Company offers a lifetime warranty. Over the last three fiscal years, the annual warranty expense has averaged approximately 1.1% of annual net product revenue.

Recently Enacted Accounting Pronouncements

In November 2024, the FASB issued guidance to provide disaggregated expense disclosures in the Consolidated Financial Statements. The Company is required to adopt the guidance for its annual period ending October 31, 2028 and all interim periods thereafter, though early adoption is permitted. The Company is currently evaluating the impact of this amendment on its Consolidated Financial Statements.

In December 2023, the FASB issued guidance to provide disaggregated income tax disclosures on the rate reconciliation and income taxes paid. The Company is required to adopt the guidance in the first quarter of fiscal 2026, though early adoption is permitted. The Company is currently evaluating the impact of this amendment on its Consolidated Financial Statements.

In November 2023, the FASB issued guidance to improve the disclosures about a public entity’s reportable segments and address requests from investors for additional, more detailed information about a reportable segment’s expenses. The Company will adopt this guidance for its annual period ending October 31, 2025 and all interim periods thereafter. The Company does not expect the adoption of this guidance to have a significant impact on its Consolidated Financial Statements.

[Pension and Other Postretirement Plans](#)

The following is a description of the valuation methodologies used to measure plan assets at fair value.

Investments in publicly traded equity securities are valued using the closing price on the measurement date as reported on the stock exchange on which the individual securities are traded. For corporate, government backed debt securities, and some other investments, fair value is based on observable inputs of comparable market transactions. The valuation of certain real estate funds, insurance group annuity contracts and alternative investments, such as limited partnerships and joint ventures, may require significant management judgment and involves a level of uncertainty. The valuation is generally based on fair value as reported by the asset manager and adjusted for cash flows, if necessary. In making such an assessment, a variety of factors are reviewed by management, including, but are not limited to, the timeliness of fair value as reported by the asset manager and changes in general economic and market conditions subsequent to the last fair value reported by the asset manager. The use of different techniques or assumptions to estimate fair value could result in a different fair value measurement at the reporting date. Cash and cash equivalents includes money market funds, which are valued based on cost, which approximates fair value. Other than those assets that have quoted prices from an active market, investments are generally classified in Level 2 or Level 3 of the fair value hierarchy based on the lowest level input that is significant to the fair value measure in its entirety. Investments measured using net asset value as a practical expedient are not categorized within the fair value hierarchy.

[Investment Policy](#)

Investment Policy

The Company’s investment strategy is to seek a competitive rate of return relative to an appropriate level of risk depending on the funded status of each plan and the timing of expected benefit payments. The majority of the plans’ investment managers employ active investment management strategies with the goal of outperforming the broad markets in which they invest. Risk management practices include diversification across asset classes and investment styles and periodic rebalancing toward asset allocation targets. A number of the plans’ investment managers are authorized to utilize derivatives for investment or liability exposures, and the Company may utilize derivatives to effect asset allocation changes or to hedge certain investment or liability exposures.

Asset allocation decisions are typically made by an independent board of trustees for the specific plan. Investment objectives are designed to generate returns that will enable the plan to meet its future obligations. In some countries, local regulations may restrict asset allocations, typically leading to a higher percentage of investment in fixed income securities than would otherwise be deployed. The Company reviews the investment strategy and provides a recommended list of investment managers for each country plan, with final decisions on asset allocation and investment managers made by the board of trustees or investment committees for the specific plan.

[Basis for Expected Long-Term Rate of Return on Plan Assets](#)

Basis for Expected Long-Term Rate of Return on Plan Assets

The expected long-term rate of return on plan assets reflects the expected returns for each major asset class in which the plan invests and the weight of each asset class in the target mix. Expected asset returns reflect the current yield on government bonds, risk premiums for each asset class and expected real returns, which considers each country’s specific inflation outlook. Because the Company’s investment policy is to employ primarily active investment managers who seek to outperform the broader market, the expected returns are adjusted to reflect the expected additional returns, net of fees.

[Fair Value](#)

Fair value is defined as the price that would be received to sell an asset or paid to transfer a liability (an exit price) in an orderly transaction between market participants at the measurement date.

Fair Value Hierarchy

The Company uses valuation techniques that are based upon observable and unobservable inputs. Observable inputs are developed using market data such as publicly available information and reflect the assumptions market participants would use, while unobservable inputs are developed using the best information available about the assumptions market participants would use. Assets and liabilities are classified in the fair value hierarchy based on the lowest level input that is significant to the fair value measurement:

Level 1—Quoted prices (unadjusted) in active markets for identical assets or liabilities.

Level 2—Quoted prices for similar assets or liabilities in active markets, quoted prices for identical or similar assets or liabilities in markets that are not active, inputs other than quoted prices that are observable for the asset or liability and market-corroborated inputs.

Level 3—Unobservable inputs for assets or liabilities.

The fair value hierarchy gives the highest priority to observable inputs and lowest priority to unobservable inputs. For the fiscal years ended October 31, 2024 and 2023, there were no transfers between levels within the fair value hierarchy.

Valuation Techniques

Cash Equivalents and Investments: The Company holds time deposits, money market funds, debt securities primarily consisting of corporate and foreign government notes and bonds. The Company values cash equivalents using quoted market prices, alternative pricing sources, including net asset value, or models utilizing market observable inputs. The fair value of debt and equity investments was based on quoted market prices or model-driven valuations using inputs primarily derived from or corroborated by observable market data, and, in certain instances, valuation models that utilize assumptions which cannot be corroborated with observable market data. Equity and other securities include investments in marketable and non-marketable securities. In evaluating non-marketable securities for impairment or observable price changes, the Company uses valuation techniques using the best information available, and may include quoted market prices, market comparables and discounted cash flow projections.

Derivative Instruments: The Company uses forward contracts, interest rate and total return swaps to hedge certain foreign currency and interest rate exposures. The Company uses industry standard valuation models to measure fair value. Where applicable, these models project future cash flows and discount the future amounts to present value using market-based observable inputs, including interest rate curves, the Company and counterparties’ credit risk, foreign currency exchange rates, and forward and spot prices for currencies and interest rates. See Note 13, “Financial Instruments,” for a further discussion of the Company’s use of derivative instruments.

Other Fair Value Disclosures

Short-Term and Long-Term Debt: The Company estimates the fair value of its debt primarily using an expected present value technique, which is based on observable market inputs using interest rates currently available to companies of similar credit standing for similar terms and remaining maturities, and considering its own credit risk. The portion of the Company’s debt that is hedged is reflected in the Consolidated Balance Sheets as an amount equal to the debt’s carrying amount and a fair value adjustment representing changes in the fair value of the hedged debt obligations arising from movements in benchmark interest rates. As of October 31, 2024, the estimated fair value of the Company’s short-term and long-term debt was \$18.3 billion and the carrying value was \$18.2 billion. As of October 31, 2023, the estimated fair value of the Company’s short-term

and long-term debt was \$12.2 billion and the carrying value was \$12.4 billion. If measured at fair value in the Consolidated Balance Sheets, short-term and long-term debt would be classified in Level 2 of the fair value hierarchy.

Other Financial Instruments: For the balance of the Company’s financial instruments, primarily accounts receivable, accounts payable and financial liabilities included in other accrued liabilities, the carrying amounts approximate fair value due to their short-term nature. If measured at fair value in the Consolidated Balance Sheets, these other financial instruments would be classified in Level 2 or Level 3 of the fair value hierarchy.

Non-Recurring Fair Value Measurements

Equity Investments without Readily Determinable Fair Value: Equity investments are recorded at cost and measured at fair value, when they are deemed to be impaired or when there is an adjustment from observable price changes. For fiscal 2024, the Company recorded a net unrealized gain of \$34 million. For fiscal 2023 and 2022, the Company recorded net unrealized losses of \$45 million and \$17 million, respectively, which included impairments of \$50 million and \$24 million for the same respective periods. These amounts are reflected in Interest and other, net in the Consolidated Statements of Earnings. If measured at fair value in the Consolidated Balance Sheets, these would generally be classified in Level 3 of the fair value hierarchy. These adjustments are based on observable price changes for certain equity investments without readily determinable fair value. For investments still held as of October 31, 2024, the cumulative upward adjustments for observable price changes was \$82 million and cumulative downward adjustments for observable price changes and impairments was \$88 million. Refer to Note 13 “Financial Instruments,” for further information about equity investments.

Non-Financial Assets: The Company’s non-financial assets, such as intangible assets, goodwill and property, plant and equipment, are recorded at cost. The Company records ROU assets based on the lease liability, adjusted for lease prepayments, lease incentives received and the lessee’s initial direct costs. Fair value adjustments are made to these non-financial assets in the period an impairment charge is recognized.

In fiscal 2023 and 2022, the Company recorded a net ROU asset impairment charge of \$18 million and \$5 million, respectively, in Transformation costs in the Consolidated Statements of Earnings as the carrying value of certain ROU assets exceeded its fair value. If measured at fair value in the Consolidated Balance Sheets, these would generally be classified in Level 3 of the fair value hierarchy.

In the fourth quarter of fiscal 2022, the Company recorded a goodwill impairment charge of \$905 million associated with the HPC & AI reporting unit and the Software reporting unit within the Corporate Investments and Other segment. The fair value of the Company’s reporting units was classified in Level 3 of the fair value hierarchy due to the significance of unobservable inputs developed using company-specific information. For more information on the goodwill impairment, see Note 11, “Goodwill and Intangible Assets.”

[Net Earnings per share](#)

The Company calculates basic net EPS using net earnings and the weighted-average number of shares outstanding during the reporting period.

Credit Quality Indicators

Credit Quality Indicators

Due to the homogeneous nature of its leasing transactions, the Company manages its financing receivables on an aggregate basis when assessing and monitoring credit risk. Credit risk is generally diversified due to the large number of entities comprising the Company's customer base and their dispersion across many different industries and geographic regions. The Company evaluates the credit quality of an obligor at lease inception and monitors that credit quality over the term of a transaction. The Company assigns risk ratings to each lease based on the creditworthiness of the obligor and other variables that augment or mitigate the inherent credit risk of a particular transaction and periodically updates the risk ratings when there is a change in the underlying credit quality. Such variables include the underlying value and liquidity of the collateral, the essential use of the equipment, the term of the lease, and the inclusion of credit enhancements, such as guarantees, letters of credit or security deposits.

XML 51 R34.htm IDEA: XBRL DOCUMENT

Organization, Consolidation and Presentation of Financial Statements (Tables)

Accounting Policies [Abstract]
Schedule of weighted average assumptions used to calculate net benefit (credit) cost

12 Months Ended

Oct. 31, 2024

The following table provides the impact changes in the weighted-average assumptions of discount rates, the expected increase in compensation levels and the expected long-term return on plan assets would have had on the net periodic benefit cost for fiscal 2024:

	Change in basis points	Change in Net Periodic Benefit Cost In millions
Assumptions:		
Discount rate	(25)	\$ 17
Expected increase in compensation levels	25	3
Expected long-term return on plan assets	(25)	\$ 25

The weighted-average assumptions used to calculate the net benefit cost (credit) in the table above for fiscal 2024, 2023 and 2022 were as follows:

	For the fiscal years ended October 31,					
	2024	2023	2022	2024	2023	2022
	Defined Benefit Plans			Post-Retirement Benefit Plans		
Discount rate used to determine benefit obligation	4.4 %	3.9 %	1.3 %	6.5 %	6.0 %	3.0 %
Discount rate used to determine service cost	4.7 %	4.2 %	1.7 %	6.1 %	5.7 %	2.7 %
Discount rate used to determine interest cost	4.4 %	3.9 %	1.1 %	6.4 %	5.9 %	2.6 %
Expected increase in compensation levels	2.9 %	3.0 %	2.6 %	—	—	—
Expected long-term return on plan assets	5.5 %	5.1 %	3.2 %	5.3 %	4.3 %	3.3 %
Interest crediting rate ⁽¹⁾	2.4 %	2.4 %	2.5 %	5.3 %	4.3 %	2.7 %

(1) The average assumed interest credited for HPE's cash balance plans and post-retirement plans, as applicable.

XML 52 R35.htm IDEA: XBRL DOCUMENT

Segment Information (Tables)

Segment Reporting [Abstract]
Segment Operating Results from Continuing Operations

12 Months Ended

Oct. 31, 2024

Segment Operating Results

	Server	Hybrid Cloud	Intelligent Edge	Financial Services	Corporate Investments and Other	Total
	In millions					
Fiscal 2024						
Net revenue	\$ 15,931	\$ 5,172	\$ 4,501	\$ 3,509	\$ 1,014	\$ 30,127
Intersegment net revenue	274	214	31	3	—	522
Total segment net revenue	\$ 16,205	\$ 5,386	\$ 4,532	\$ 3,512	\$ 1,014	\$ 30,649
Segment earnings (loss) from operations	\$ 1,818	\$ 245	\$ 1,115	\$ 316	\$ (25)	\$ 3,469
Fiscal 2023						
Net revenue	\$ 13,926	\$ 5,396	\$ 5,362	\$ 3,466	\$ 985	\$ 29,135
Intersegment net revenue	435	97	17	14	—	563
Total segment net revenue	\$ 14,361	\$ 5,493	\$ 5,379	\$ 3,480	\$ 985	\$ 29,698
Segment earnings (loss) from operations	\$ 1,830	\$ 232	\$ 1,343	\$ 281	\$ (77)	\$ 3,609
Fiscal 2022						
Net revenue	\$ 15,137	\$ 5,173	\$ 3,849	\$ 3,326	\$ 1,011	\$ 28,496
Intersegment net revenue	335	60	8	13	1	417
Total segment net revenue	\$ 15,472	\$ 5,233	\$ 3,857	\$ 3,339	\$ 1,012	\$ 28,913
Segment earnings (loss) from operations	\$ 1,958	\$ 468	\$ 542	\$ 387	\$ (26)	\$ 3,329

Reconciliation of Segment Operating Results

The reconciliation of segment operating results to Consolidated Statement of Earnings results was as follows:

	For the fiscal years ended October 31,		
	2024	2023	2022
	In millions		
Net Revenue:			
Total segments	\$ 30,649	\$ 29,698	\$ 28,913
Elimination of intersegment net revenue	(522)	(563)	(417)
Total consolidated net revenue	\$ 30,127	\$ 29,135	\$ 28,496
Earnings Before Taxes:			
Total segment earnings from operations	\$ 3,469	\$ 3,609	\$ 3,329
Unallocated corporate costs and eliminations	(301)	(464)	(303)
Stock-based compensation expense	(430)	(428)	(391)
Amortization of initial direct costs	—	—	(4)
Amortization of intangible assets	(267)	(288)	(293)
Impairment of goodwill	—	—	(905)
Transformation costs	(93)	(283)	(473)
Disaster recovery (charges)	51	12	(159)
Divestiture related exit costs	(35)	—	—
Acquisition, disposition and other related charges	(204)	(69)	(19)
Interest and other, net	(117)	(104)	(121)
Gain on sale of equity interest	733	—	—
Earnings from equity interests	147	245	215
Total earnings before provision for taxes	\$ 2,953	\$ 2,230	\$ 876

Net Revenue by Geographical Areas

Net revenue by geographic region was as follows:

	For the fiscal years ended October 31,		
	2024	2023	2022
	In millions		
Americas			
U.S.	\$ 10,890	\$ 10,369	\$ 9,425
Americas excluding U.S.	2,345	2,208	1,964
Total Americas	13,235	12,577	11,389
Europe, Middle East and Africa	10,189	10,151	10,292
Asia Pacific and Japan	6,703	6,407	6,815
Total consolidated net revenue	\$ 30,127	\$ 29,135	\$ 28,496

Net Property, Plant and Equipment by Geographical Areas

Property, plant and equipment, net by country in which the Company's operates was as follows:

	As of October 31	
	2024	2023
	In millions	
U.S.	\$ 2,616	\$ 2,803
Other countries	3,048	3,186
Total property, plant and equipment, net	\$ 5,664	\$ 5,989

XML 53 R36.htm IDEA: XBRL DOCUMENT

Transformation Programs (Tables)

Restructuring and Related Activities [Abstract]
Restructuring and Related Costs

12 Months Ended

Oct. 31, 2024

The components of the transformation costs relating to the Cost Optimization and Prioritization Plan were as follows:

	For the fiscal years ended October 31,		
	2024	2023	2022
	In millions		
Program management	\$ 2	\$ 9	\$ 27
IT costs	13	26	26
Restructuring charges	32	226	201
Total	\$ 47	\$ 261	\$ 254

The components of transformation costs relating to HPE Next Plan were as follows:

	For the fiscal years ended October 31,			
	2024	2023		2022
	In millions			
Program management	\$ 1	\$ —	\$ —	7
IT costs	47	91	—	184
Restructuring charges	1	16	—	13
Gains on real estate sales	—	(85)	—	(8)
Impairment on real estate assets	—	—	—	11
Other	—	3	—	13
Total	\$ 49	\$ 25	\$ —	220

Restructuring activities related to the Company's employees and infrastructure under the Cost Optimization and Prioritization Plan and HPE Next Plan are presented in the table below:

	Cost Optimization and Prioritization Plan		HPE Next Plan	
	Employee Severance	Infrastructure and other	Employee Severance	Infrastructure and other
	In millions			
Liability as of October 31, 2023	\$ 152	\$ 127	\$ 6	\$ 27
Charges	30	2	—	1
Cash payments	(113)	(38)	(5)	(7)
Non-cash items	(2)	3	(1)	2
Liability as of October 31, 2024	\$ 67	\$ 94	\$ —	\$ 23
Total costs incurred to date as of October 31, 2024	\$ 823	\$ 563	\$ 1,267	\$ 271
Total expected costs to be incurred as of October 31, 2024	\$ 823	\$ 563	\$ 1,267	\$ 271

[XML 54 R37.htm IDEA: XBRL DOCUMENT](#)

Retirement and Post-Retirement Benefit Plans (Tables)

Retirement Benefits

[Abstract]

Summary of Net Benefit Cost

The Company's net pension and post-retirement benefit costs that were directly attributable to the eligible employees, retirees and other former employees of Hewlett Packard Enterprise and recognized in the Consolidated Statements of Earnings for fiscal 2024, 2023 and 2022 are presented in the table below.

	For the fiscal years ended October 31,					
	2024	2023	2022	2024	2023	2022
	Defined Benefit Plans			Post-Retirement Benefit Plans		
	In millions					
Service cost	\$ 49	\$ 53	\$ 78	\$ 1	\$ 1	\$ 1
Interest cost ⁽¹⁾	408	386	154	9	8	4
Expected return on plan assets ⁽¹⁾	(550)	(539)	(450)	(4)	(2)	(2)
Amortization and Deferrals ⁽¹⁾ :						
Actuarial loss (gain)	148	160	167	(4)	(6)	(2)
Prior service benefit	(8)	(10)	(10)	—	—	—
Net periodic benefit cost (credit)	47	50	(61)	2	1	1
Settlement loss and special termination benefits ⁽¹⁾	4	6	5	—	—	—
Total net benefit cost (credit)	\$ 51	\$ 56	\$ (56)	\$ 2	\$ 1	\$ 1

(1)These non-service components were included in Interest and other, net in the Consolidated Statements of Earnings.

The following table provides the impact changes in the weighted-average assumptions of discount rates, the expected increase in compensation levels and the expected long-term return on plan assets would have had on the net periodic benefit cost for fiscal 2024:

	Change in basis points	Change in Net Periodic Benefit Cost
		In millions
Assumptions:		
Discount rate	(25)	\$ 17
Expected increase in compensation levels	25	3
Expected long-term return on plan assets	(25)	\$ 25

The weighted-average assumptions used to calculate the net benefit cost (credit) in the table above for fiscal 2024, 2023 and 2022 were as follows:

	For the fiscal years ended October 31,					
	2024	2023	2022	2024	2023	2022
	Defined Benefit Plans			Post-Retirement Benefit Plans		
Discount rate used to determine benefit obligation	4.4 %	3.9 %	1.3 %	6.5 %	6.0 %	3.0 %
Discount rate used to determine service cost	4.7 %	4.2 %	1.7 %	6.1 %	5.7 %	2.7 %
Discount rate used to determine interest cost	4.4 %	3.9 %	1.1 %	6.4 %	5.9 %	2.6 %
Expected increase in compensation levels	2.9 %	3.0 %	2.6 %	—	—	—
Expected long-term return on plan assets	5.5 %	5.1 %	3.2 %	5.3 %	4.3 %	3.3 %
Interest crediting rate ⁽¹⁾	2.4 %	2.4 %	2.5 %	5.3 %	4.3 %	2.7 %

(1) The average assumed interest credited for HPE's cash balance plans and post-retirement plans, as applicable.

The funded status of the plans was as follows:

	As of October 31,					
	2024	2023		2024	2023	
	Defined Benefit Plans			Post-Retirement Benefit Plans		
	In millions					
Change in fair value of plan assets:						
Fair value—beginning of year	\$	9,879	\$	9,915	\$	68
Reimbursement of benefit payments ⁽¹⁾		(90)		(82)		—
Actual return on plan assets		1,207		(315)		5
Employer contributions		172		179		4
Participant contributions		26		24		6
Benefits paid		(509)		(449)		(7)
Settlement		(18)		(29)		—
Currency impact		340		636		—
Fair value—end of year	\$	11,007	\$	9,879	\$	76
Change in benefit obligation:						
Projected benefit obligation—beginning of year	\$	9,362	\$	9,517	\$	148
Addition/deletion of plans ⁽²⁾		—		1		—
Service cost		49		53		1
Interest cost		408		386		9
Participant contributions		26		24		6
Actuarial loss (gain)		613		(756)		7
Benefits paid		(509)		(449)		(7)
Plan amendments		4		—		—
Settlement		(18)		(29)		—
Special termination benefits		2		2		—
Currency impact		319		613		(2)
Projected benefit obligation—end of year ⁽³⁾	\$	10,256	\$	9,362	\$	162
Funded status at end of year	\$	751	\$	517	\$	(86)
Accumulated benefit obligation	\$	10,130	\$	9,233	\$	—

(1) For benefit payments reimbursed to HPE from the German Contractual Trust Arrangements.

(2) Includes the addition/deletion of plans resulting from acquisitions.

(3) HPE divested \$13 million in projected benefit obligation and \$7 million in assets due to the Communications Technology Group ("CTG") divestiture that occurred on December 1, 2024.

The weighted-average assumptions used to calculate the projected benefit obligations were as follows:

	As of October 31,			
	2024	2023	2024	2023
	Defined Benefit Plans		Post-Retirement Benefit Plans	
Discount rate	3.8 %	4.4 %	5.6 %	6.5 %
Expected increase in compensation levels	2.6 %	2.9 %	—	—
Interest crediting rate	2.5 %	2.4 %	4.8 %	5.3 %

The net amounts recognized for defined benefit and post-retirement benefit plans in the Company's Consolidated Balance Sheets were as follows:

	As of October 31,			
	2024		2023	
	Defined Benefit Plans		Post-Retirement Benefit Plans	
	In millions			
Non-current assets	\$ 1,555	\$ 1,313	\$ —	\$ —
Current liabilities	(52)	(51)	(6)	(8)
Non-current liabilities	(752)	(745)	(80)	(72)
Funded status at end of year	\$ 751	\$ 517	\$ (86)	\$ (80)

The following table summarizes the pre-tax net actuarial loss and prior service benefit recognized in accumulated other comprehensive loss for the defined benefit plans, activity for the post-retirement benefit plans were immaterial:

Schedule of weighted-average assumptions used to calculate the projected benefit obligations

Schedule of net amount recognized for the direct plans in the entity's Combined Balance Sheets

Summary of pre-tax net actuarial loss and prior service benefit recognized in accumulated other

comprehensive loss for direct defined benefit plans

		As of October 31, 2024	
		Defined Benefit Plans	
		In millions	
Net actuarial loss		\$	2,478
Prior service benefit			14
Total recognized in accumulated other comprehensive loss		\$	2,492

Schedule of direct defined benefit plans with projected benefit obligations exceeding the fair value of plan assets

Defined benefit plans with projected benefit obligations exceeding the fair value of plan assets were as follows:				
		As of October 31,		
		2024		2023
		In millions		
Aggregate fair value of plan assets	\$	506	\$	1,969
Aggregate projected benefit obligation	\$	1,212	\$	2,765

Schedule of direct defined benefit plans with accumulated benefit obligations exceeding the fair value of plan assets

Defined benefit plans with accumulated benefit obligations exceeding the fair value of plan assets were as follows:					
		As of October 31,			
		2024		2023	
		In millions			
Aggregate fair value of plan assets	\$	2,274	\$	1,969	
Aggregate accumulated benefit obligation	\$	3,076	\$	2,675	

Schedule of fair value of direct plan non-U.S. defined benefit plan assets by asset category within the fair value hierarchy

The table below sets forth the fair value of non-U.S. defined benefit plan assets by asset category within the fair value hierarchy as of October 31, 2024 and 2023.																
	As of October 31, 2024				As of October 31, 2023											
	Level 1	Level 2	Level 3	Total	Level 1	Level 2	Level 3	Total								
	In millions															
Asset Category:																
Equity Securities																
U.S.	\$	654	\$	60	\$	—	\$	714	\$	543	\$	12	\$	—	\$	555
Non-U.S.		125		190		—		315		110		212		—		322
Debt securities																
Corporate		—		1,526		—		1,526		—		1,277		—		1,277
Government ⁽¹⁾		—		4,768		—		4,768		—		3,883		—		3,883
Other ⁽²⁾		—		465		—		745		—		661		799		1,460
Alternative investments																
Private Equity ⁽³⁾		—		6		—		276		—		5		41		46
Hybrids ⁽⁴⁾		—		365		—		197		—		358		177		535
Hybrids at NAV ⁽⁵⁾								307								358
Common Contractual Funds at NAV ⁽⁶⁾																
Equities at NAV								1,053								988
Fixed Income at NAV								508								471
Emerging Markets at NAV								275								284
Alternative investments at NAV								1								1
Real Estate Funds ⁽⁷⁾		3		303		20		570		327		237		584		
Insurance Group Annuity Contracts		—		93		—		114		88		20		108		
Cash and Cash Equivalents		157		194		222		351		93		315				
Other ⁽⁸⁾		9		154		17		163		23		40				
Obligation to return cash received from repurchase agreements ⁽¹⁾		—		(1,712)		—		(1,712)		(1,348)		—		(1,348)		
Total	\$	948	\$	6,412	\$	912	\$	11,007	\$	5,591	\$	1,274	\$	9,879		

- (1) Repurchase agreements, primarily in the UK, represent the plans' short-term borrowing to hedge against interest rate and inflation risks. Investments in approximately \$2.0 billion and \$2.3 billion of government bonds collateralize this short-term borrowing at October 31, 2024 and 2023, respectively. The plans have an obligation to return the cash after the term of the agreements. Due to the short-term nature of the agreements, the outstanding balance of the obligation approximates fair value.
- (2) Includes funds that invest primarily in asset-backed securities, mortgage-backed securities, collateralized loan obligations, and/or private debt investments. Primary valuation techniques for level 3 investments include discounted cash flows and broker quotes and/or third-party pricing services. Significant unobservable inputs include yields which are determined by considering the market yield of comparable public debt instruments adjusted for estimated losses to reflect where the expected recovery rate would be less than 100%, discount rates, and internal rate of return (IRR). The yields ranged from 6% to 21%, with the weighted average around 10%. In the prior year, the yields ranged from 6% to 22%, with the weighted average around 10%. The discount rates ranged from 3% to 5%, with the weighted average around 4%. In the prior year, the discount rates ranged from 4% to 5%, with the weighted average around 4%. The IRR ranged from 1% to 38%, with the main weighted average around 9%. In the prior year, the IRR ranged from 5% to 21%, with the main weighted average around 10%. Generally, an increase in yield and discounted rates may result in a decrease in the fair value of certain investments.
- (3) Includes funds, primarily in the UK, held in non-marketable, limited partnership interests which invest in a broad range of infrastructure and infrastructure-related assets. Primary valuation techniques for level 3 investments include the market, income or cost approach. Significant unobservable inputs include discount rate and EV/EBITDA multiples. Discount rates ranged from 8% to 13%, with the weighted average around 10%. The EV/EBITDA multiples ranged from 6.5x to 37.9x, with the weighted average ranging from 9.2x to 36.3x. Generally, an increase in discount rates may result in a decrease in the fair value of certain investments. The EV/EBITDA ratio generally indicates the number of times investors are willing to pay for a company's EBITDA valuation.
- (4) Includes funds, primarily in the UK, that invest in both private and public equities, as well as emerging markets across all sectors. The funds also hold fixed income and derivative instruments to hedge interest rate and inflation risk. In addition, the funds include units in transferable securities, collective investment schemes, money market funds, asset-backed income, cash, and deposits. Primary valuation techniques for level 3 investments include discounted cash flows and book value or net asset value. Significant unobservable inputs include discount rates. The discount rates ranged from 3% to 38%, with the weighted average around 17%. In the prior year, the discount rates ranged from 3% to 28%, with the weighted average around 14%. Generally, an increase in discount rates may result in a decrease in the fair value of certain investments.
- (5) Includes a pooled fund in the UK, that seeks a rate of return with direct or indirect linkage to UK inflation by investing in vehicles including bonds, long lease property, income strips, asset-backed securities, and index linked assets. Units are available for subscription on the first business day of each calendar month at net asset value. There are no redemption restrictions or future commitments on these investments.
- (6) Common Contractual Funds are investment arrangements in which institutional investors pool their assets. Units may be acquired in four different sub-funds focused on equities, fixed income, alternative investments, and emerging markets. Each sub-fund is invested in accordance with the fund's investment objective and units are issued in relation to each sub-fund. While the sub-funds are not publicly traded, the custodian strikes a net asset value either once or twice a month, depending on the sub-fund. There are no redemption restrictions or future commitments on these investments.
- (7) Includes funds, primarily in Germany, that invest in a diversified portfolio of European real estate assets exposed to logistics real estate properties, food retailing properties, residential and commercial properties, and properties under development. Primary valuation techniques for level 3 investments include the income capitalization approach and cost approach. Significant unobservable inputs include rental yield and IRR. The rental yield rates ranged from 4% to 7%, with the weighted average around 5%. In the prior year, the rental yield rates ranged from 4% to 6%, with the weighted average around 4%. The IRR ranged from 0% to 4%, with the main weighted average around 1%. In the prior year, the IRR ranged from 5% to 8%, with the main weighted average around 7%. Generally, an increase in rental yield rates may result in a decrease in the fair value of certain investments. A higher IRR generally signifies a greater fair value as it implies a greater potential rate of return over the life of an investment.
- (8) Includes life insurance investment policies, unsettled transactions, and derivative instruments. As of October 31, 2024, the derivative instruments include synthetic equity swaps held by the UK plans with equity exposure of \$396 million.

Schedule of changes in fair value measurements of Level 3 investments for Direct non-U.S. defined benefit plans

		For the fiscal year ended October 31, 2024							
		Alternative Investments				Real Estate Funds		Insurance Group Annuities	
		Debt-Other	Private Equity	Hybrids					Total
		In millions							
Balance at beginning of year		\$	799	\$	41	\$	177	\$	237
Actual return on plan assets:									20
Relating to assets held at the reporting date			27		(3)		6		(14)
Relating to assets sold during the period			—		4		—		(1)
Purchases, sales, and settlements			(81)		234		14		42
Balance at end of year		\$	745	\$	276	\$	197	\$	264
									21
									1,503

		For the fiscal year ended October 31, 2023							
		Alternative Investments				Real Estate Funds		Insurance Group Annuities	
		Debt-Other	Private Equity	Hybrids				Other	Total
		In millions							
Balance at beginning of year		\$	932	\$	46	\$	182	\$	21
Actual return on plan assets:									164
Relating to assets held at the reporting date			72		(8)		2		(6)
Relating to assets sold during the period			—		3		—		(1)
Purchases, sales, and settlements			(205)		—		(7)		79
Balance at end of year		\$	799	\$	41	\$	177	\$	237
									20
									—
									1,274

Schedule of weighted-average target and actual asset allocations across the benefit plans

		Defined Benefit Plans			
		2024 Target Allocation		Plan Assets	
		2024		2023	
Public equity securities			21.4 %		21.8 %
Private/hybrid equity securities			10.5 %		9.5 %
Real estate and other ⁽¹⁾			6.7 %		6.3 %
Equity-related investments ⁽¹⁾		41.7 %	38.6 %		37.6 %
Debt securities		57.3 %	58.2 %		59.2 %
Cash and cash equivalents		1.0 %	3.2 %		3.2 %
Total		100.0 %	100.0 %		100.0 %

- (1) Included in Real estate and other investments are synthetic equity swaps with equity exposure of \$396 million, which is held in the UK plans as of October 31, 2024.

Schedule of estimated future benefits payable for the Company's direct retirement plans

As of October 31, 2024, estimated future benefits payments for the Company's retirement plans were as follows:					
Fiscal year	Defined Benefit Plans		Post-Retirement Benefit Plans		
		In millions			
2025	\$	609	\$		10
2026		554			11
2027		568			11
2028		592			12
2029		609			13
Next five fiscal years to October 31, 2034	\$	3,114	\$		72

Stock-Based Compensation (Tables)

Share-Based Payment Arrangement [Abstract]

Schedule of stock based compensation expense and the resulting tax benefits

Stock-based compensation expense

Schedule of restricted stock award activity

XML 56 R39.htm IDEA: XBRL DOCUMENT

Taxes on Earnings (Tables)

Income Tax Disclosure [Abstract]

Schedule of domestic and foreign components of earnings before taxes

Schedule of provision for (benefit from) taxes on earnings

Schedule of differences between the U.S. federal statutory income tax rate and effective tax rate

Schedule of reconciliation of gross unrecognized tax benefits

Schedule of significant components of deferred tax assets and deferred tax liabilities

Schedule of current and long-term deferred tax assets and liabilities

Schedule of tax credit carryforwards

12 Months Ended

Oct. 31, 2024

Stock-based compensation expense and the resulting tax benefits were as follows:

	For the fiscal years ended October 31,					
	2024		2023	2022		
	In millions					
Stock-based compensation expense	\$	430	\$	428	\$	391
Income tax benefit		(96)		(92)		(75)
Stock-based compensation expense, net of tax	\$	334	\$	336	\$	316

Stock-based compensation expense as presented in the table above is recorded within the following cost and expense lines in the Consolidated Statements of Earnings.

	For the fiscal years ended October 31,			
	2024	2023	2022	
	In millions			
Cost of sales	\$ 49	\$ 47	\$ 46	
Research and development	158	161	143	
Selling, general and administrative	223	220	202	
Stock-based compensation expense	\$ 430	\$ 428	\$ 391	

The following table summarizes restricted stock unit activity for the year ended October 31, 2024:

	Shares	Weighted-Average Grant	
	In thousands	Date	Fair Value Per Share
Outstanding at beginning of year	54,389	\$	15
Granted and replacement awards for acquisitions	29,930		16
Vested	(25,245)		15
Forfeited/canceled	(3,461)		16
Outstanding at end of year	<u>55,613</u>	\$	<u>16</u>

12 Months Ended

Oct. 31, 2024

The domestic and foreign components of Net earnings (loss) from operations before taxes were as follows:

	For the fiscal years ended October 31,			
	2024	2023		2022
	In millions			
U.S.	\$ 765	\$ (1,105)	\$ (1,138)	
Non-U.S.	2,188	3,335	2,014	
	<u>\$ 2,953</u>	<u>\$ 2,230</u>	<u>\$ 876</u>	

The Provision for taxes on Net earnings from operations were as follows:

	For the fiscal years ended October 31,			
	2024	2023	2022	
	In millions			
U.S. federal taxes:				
Current	\$ 8	\$ —	\$ 12	
Deferred	(120)	(88)	(98)	
Non-U.S. taxes:				
Current	415	256	288	
Deferred	44	23	(143)	
State taxes:				
Current	15	16	(43)	
Deferred	12	(2)	(8)	
	\$ 374	\$ 205	\$ 8	

The differences between the U.S. federal statutory income tax rate and the Company's effective tax rate were as follows:

	For the fiscal years ended October 31,			
	2024	2023	2022	
U.S. federal statutory income tax rate	21.0 %	21.0 %	21.0 %	
State income taxes, net of federal tax benefit	0.4 %	0.9 %	2.8 %	
Lower rates in other jurisdictions, net	(1.3)%	(4.4)%	(0.9)%	
Valuation allowance	(1.3)%	(2.8)%	(31.5)%	
U.S. permanent differences	(4.0)%	(1.5)%	6.0 %	
U.S. R&D credit	(1.8)%	(2.1)%	(5.1)%	
Uncertain tax positions	(0.3)%	(2.0)%	(15.6)%	
Goodwill impairment	— %	— %	21.5 %	
Other, net	— %	0.1 %	2.7 %	
	12.7 %	9.2 %	0.9 %	

A reconciliation of unrecognized tax benefits is as follows:

	As of October 31,			
	2024	2023	2022	
	In millions			
Balance at beginning of year	\$ 672	\$ 674	\$ 2,131	
Increases:				
For current year's tax positions	60	67	81	
For prior years' tax positions	116	20	41	
Decreases:				
For prior years' tax positions	(113)	(2)	(48)	
Statute of limitations expiration	(4)	(4)	(12)	
Settlements with taxing authorities	(7)	(83)	(1,491)	
Settlements related to joint and several positions indemnified by HP Inc.	—	—	(28)	
Balance at end of year	\$ 724	\$ 672	\$ 674	

The significant components of deferred tax assets and deferred tax liabilities were as follows:

	As of October 31,	
	2024	2023
	In millions	
Deferred tax assets:		
Loss and credit carryforwards ⁽¹⁾	\$ 5,692	\$ 5,936
Inventory valuation	78	90
Intercompany prepayments	192	325
Warranty	45	49
Employee and retiree benefits	162	184
Restructuring	27	52
Deferred revenue	799	658
Intangible assets	251	107
Capitalized R&D	81	44
Lease liabilities	253	209
Other	262	196
Total deferred tax assets	7,842	7,850
Valuation allowance ⁽¹⁾	(5,204)	(5,428)
Total deferred tax assets net of valuation allowance	2,638	2,422
Deferred tax liabilities:		
Unremitted earnings of foreign subsidiaries	(229)	(190)
ROU assets	(236)	(192)
Fixed assets	(150)	(102)
Total deferred tax liabilities	(615)	(484)
Net deferred tax assets and liabilities	\$ 2,023	\$ 1,938

(1)Fiscal 2023 amounts have been reclassified to conform to the current period presentation.

Deferred tax assets and liabilities included in the Consolidated Balance Sheets are as follows:

	As of October 31,	
	2024	2023
	In millions	
Deferred tax assets	\$ 2,396	\$ 2,264
Deferred tax liabilities	(373)	(326)
Deferred tax assets net of deferred tax liabilities	\$ 2,023	\$ 1,938

, the Company had recorded deferred tax assets for various tax credit carryforwards as follows:

	Carryforward	Valuation Allowance	Initial Year of Expiration
	In millions		
U.S. foreign tax credits	\$ 648	\$ (648)	2027
U.S. research and development and other credits	230	—	2029
Tax credits in state and foreign jurisdictions	197	(177)	2028
Balance at end of year	\$ 1,075	\$ (825)	

Total valuation allowances decreased by \$224 million in fiscal 2024, primarily as a result of the utilization of certain non-U.S. loss carryforwards which had full valuation allowances, the impact on fully valued U.S. foreign tax credits as a result of the change in uncertain tax benefits, the recording of valuation allowances on certain non-U.S. tax credits, and the release of certain foreign valuation allowances.

XML 57 R40.htm IDEA: XBRL DOCUMENT

Balance Sheet Details
(Table)

Organization,
Consolidation and
Presentation of
Financial Statements
[Abstract]
Schedule of Cash and
Cash Equivalents

Cash, Cash Equivalents and Restricted Cash

	As of October 31,	
	2024	2023
	In millions	
Cash and cash equivalents	\$ 14,846	\$ 4,270
Restricted cash	259	311
Total	\$ 15,105	\$ 4,581

Accounts Receivable,
Net

Accounts Receivable, Net

	As of October 31,	
	2024	2023
	In millions	
Accounts receivable	\$ 3,236	\$ 3,254
Unbilled receivable	324	264
Allowances	(10)	(37)
Total	\$ 3,550	\$ 3,481

Schedule of revolving
short-term financing
arrangements

The allowance for doubtful accounts related to accounts receivable and changes therein were as follows:

	As of October 31,		
	2024	2023	2022
	In millions		
Balance at beginning of year	\$ 37	\$ 25	\$ 23
Provision for credit losses	41	29	25
Adjustments to existing allowances, including write offs	(68)	(17)	(23)
Balance at end of year	\$ 10	\$ 37	\$ 25

Schedule of transferred
trade receivables not
collected from the third
parties

The activity related to Hewlett Packard Enterprise's revolving short-term financing arrangements was as follows:

	As of October 31,		
	2024	2023	2022
	In millions		
Balance at beginning of period ⁽¹⁾	\$ 83	\$ 163	\$ 336
Trade receivables sold	3,098	4,097	4,130
Cash receipts	(3,190)	(4,185)	(4,292)
Foreign currency and other	9	8	(11)
Balance at end of period ⁽¹⁾	\$ —	\$ 83	\$ 163

(1)Beginning and ending balances represent amounts for trade receivables sold but not yet collected.

Inventory

Inventory

	As of October 31,	
	2024	2023
	In millions	
Purchased parts and fabricated assemblies	\$ 5,441	\$ 2,940
Finished goods	2,369	1,667
Total	\$ 7,810	\$ 4,607

Property, Plant and
Equipment

Property, Plant and Equipment, net

	As of October 31,	
	2024	2023
	In millions	
Land	\$ 66	\$ 66
Buildings and leasehold improvements	1,696	1,521
Machinery and equipment, including equipment held for lease	10,392	10,382
Gross property, plant and equipment	12,154	11,969
Accumulated depreciation	(6,490)	(5,980)
Property, plant and equipment, net ⁽¹⁾	\$ 5,664	\$ 5,989

(1)This balance includes \$593 million and \$606 million of internal use software, net as of October 31, 2024 and 2023, respectively.

Long-Term Financing Receivables and Other Assets

	As of October 31,	
	2024	2023
	In millions	
Financing receivables, net	\$ 5,583	\$ 5,028
Deferred tax assets	2,396	2,264
Prepaid pension	1,555	1,313
ROU assets	1,408	980
Other	1,674	1,792
Total	\$ 12,616	\$ 11,377

Supplier Financing Arrangements

The Company enters into supplier financing arrangements with external financial institutions. Under these arrangements, suppliers can choose to settle outstanding payment obligations at a discount. The Company holds no economic interest in suppliers' participation, nor does it provide guarantees or pledge assets under these arrangements. Invoices are settled with the financial institutions based on the original supplier payment terms. These arrangements do not alter the Company's rights and obligations towards suppliers, including scheduled payment terms. Liabilities associated with the funded participation in these arrangements, are presented within Accounts Payable on the Consolidated Balance Sheets, amounted to \$466 million, and \$295 million as of October 31, 2024 and October 31, 2023, respectively.

Other Accrued
Liabilities

Other Accrued Liabilities

	As of October 31,	
	2024	2023
	In millions	
Sales and marketing programs	\$ 1,032	\$ 1,070
Value-added and property taxes	922	786
Contract manufacturer liabilities	505	71
Customer deposits	289	392
Operating lease liabilities	261	194
Warranty	150	167
Collateral payable	90	207
Other	1,281	1,274
Total	\$ 4,530	\$ 4,161

Other Non-Current
Liabilities

Other Non-Current Liabilities

	As of October 31,	
	2024	2023
	In millions	
Deferred revenue	\$ 3,578	\$ 3,281
Operating lease liabilities	1,309	966
Pension, post-retirement, and post-employment	859	841
Deferred tax liabilities	373	326
Taxes on earnings	163	233
Other	623	899
Total	\$ 6,905	\$ 6,546

Warranties

The Company's aggregate product warranty liabilities and changes therein were as follows:

	As of October 31,			
	2024		2023	
	In millions		2022	
Balance at beginning of year	\$	318	\$	327
Charges		173		238
Adjustments related to pre-existing warranties		(5)		(2)
Settlements made		(185)		(203)
Balance at end of year ⁽¹⁾	\$	301	\$	360

(1) The Company included the current portion in Other accrued liabilities, and amounts due after one year in Other non-current liabilities in the accompanying Consolidated Balance Sheets.

Contract Liabilities and Remaining Performance Obligations

Contract Liabilities and Remaining Performance Obligations

Contract liabilities consist of deferred revenue and customer deposits. A summary of contract liabilities were as follows:

	Location	As of October 31,			
		2024		2023	
		In millions			
Customer deposits	Other accrued liabilities	\$	289	\$	392
Customer deposits - non-current	Other non-current liabilities		7		144
Total customer deposits		\$	296	\$	536
Deferred revenue	Deferred revenue	\$	3,904	\$	3,658
Deferred revenue - non-current	Other non-current liabilities		3,578		3,281
Total deferred revenue		\$	7,482	\$	6,939

[XML 58 R41.htm IDEA: XBRL DOCUMENT](#)

Accounting for Leases as a Lessee (Tables)

12 Months Ended Oct. 31, 2024

Leases [Abstract]

Operating Lease Cost

Components of lease cost included in the Consolidated Statement of Earnings were as follows:

	For the fiscal years ended October 31,			
	2024		2023	
	In millions			
Operating lease cost	\$	259	\$	197
Finance lease cost		3		5
Sublease rental income		(26)		(27)
Total lease cost	\$	236	\$	175

The weighted-average remaining lease term and the weighted-average discount rate for the operating and finance leases were as follows:

	As of October 31,			
	2024		2023	
	Operating Leases	Finance Leases	Operating Leases	Finance Leases
Weighted-average remaining lease term (in years)	6.7	5.5	7.2	6.5
Weighted-average discount rate	4.4 %	3.5 %	3.8 %	3.5 %

Supplemental cash flow information related to leases was as follows:

	Cash Flow Statement Activity	For the fiscal years ended October 31,			
		2024		2023	
		In millions			
Cash outflows from operating leases	Net cash used in operating activities	\$	274	\$	214
ROU assets obtained in exchange for new operating lease liabilities	Non-cash activities	\$	627	\$	195

Supplemental Balance Sheet Information

The ROU assets and lease liabilities for operating and finance leases included in the Consolidated Balance Sheets were as follows:

	Balance Sheet Classification	As of October 31,			
		2024		2023	
		In millions			
Operating Leases					
ROU Assets	Long-term financing receivables and other assets	\$	1,408	\$	980
Lease Liabilities:					
Operating lease liabilities - current	Other accrued liabilities		261		194
Operating lease liabilities - non-current	Other non-current liabilities		1,309		966
Total operating lease liabilities		\$	1,570	\$	1,160
Finance Leases					
Finance lease ROU Assets:	Property, plant and equipment, net				
Gross finance lease ROU assets		\$	26	\$	26
Less: Accumulated depreciation			(16)		(14)
Net finance lease ROU assets		\$	10	\$	12
Lease Liabilities:					
Finance lease liabilities - current	Notes payable and short-term borrowings	\$	6	\$	5
Finance lease liabilities - non-current	Long-term debt		32		38
Total finance lease liabilities		\$	38	\$	43
Total ROU assets		\$	1,418	\$	992
Total lease liabilities		\$	1,608	\$	1,203

Operating Lease Liability Maturity

The following tables shows the future payments on the Company's operating and finance leases:

Fiscal year	As of October 31, 2024			
	Operating Leases		Finance Leases	
	In millions			
2025	\$	321	\$	7
2026		296		7
2027		281		7
2028		249		8
2029		201		8
Thereafter		468		4
Total future lease payments	\$	1,816	\$	41
Less: imputed interest		(246)		(3)
Total lease liabilities	\$	1,570	\$	38

Finance Lease Liability Maturity

The following tables shows the future payments on the Company's operating and finance leases:

Fiscal year	As of October 31, 2024			
	Operating Leases		Finance Leases	
	In millions			
2025	\$	321	\$	7
2026		296		7
2027		281		7
2028		249		8
2029		201		8
Thereafter		468		4
Total future lease payments	\$	1,816	\$	41
Less: imputed interest		(246)		(3)
Total lease liabilities	\$	1,570	\$	38

[XML 59 R42.htm IDEA: XBRL DOCUMENT](#)

Accounting for Leases as a Lessor (Tables)

12 Months Ended Oct. 31, 2024

Leases [Abstract]

Components of Financing Receivables

The components of financing receivables were as follows:

	As of October 31,	
	2024	2023
	In millions	
Minimum lease payments receivable	\$ 10,266	\$ 9,363
Unguaranteed residual value	599	438
Unearned income	(1,218)	(987)
Financing receivables, gross	9,647	8,814
Allowance for credit losses	(194)	(243)
Financing receivables, net	9,453	8,571
Less: current portion	(3,870)	(3,543)
Amounts due after one year, net	\$ 5,583	\$ 5,028

Scheduled Maturities of Minimum Lease Payments Receivable

As of October 31, 2024, scheduled maturities of the Company's minimum lease payments receivable were as follows:

Fiscal year	As of October 31, 2024	
	In millions	
2025	\$	4,282
2026		2,977
2027		1,747
2028		892
2029		277
Thereafter		91
Total undiscounted cash flows	\$	10,266
Present value of lease payments (recognized as finance receivables)	\$	9,048
Difference between undiscounted cash flows and discounted cash flows	\$	1,218

Credit Risk Profile of Gross Financing Receivables

The credit risk profile of gross financing receivables, based on internal risk ratings as of October 31, 2024, presented on amortized cost basis by year of origination was as follows:

Fiscal Year	As of October 31, 2024		
	Low	Risk Rating Moderate In millions	High
2024	\$ 2,630	\$ 1,120	\$ 19
2023	1,804	948	54
2022	1,128	665	46
2021	440	317	52
2020 and prior	158	193	73
Total	\$ 6,160	\$ 3,243	\$ 244

The credit risk profile of gross financing receivables, based on internal risk ratings as of October 31, 2023, presented on amortized cost basis by year of origination was as follows:

Fiscal Year	As of October 31, 2023		
	Low	Risk Rating Moderate In millions	High
2023	\$ 2,100	\$ 1,196	\$ 31
2022	1,681	1,052	51
2021	868	645	57
2020	336	285	35
2019 and prior	155	223	99
Total	\$ 5,140	\$ 3,401	\$ 273

Schedule of Allowance for Doubtful Accounts for Financing Receivables

The allowance for credit losses for financing receivables as of October 31, 2024, 2023, and 2022, and the respective changes for the twelve months then ended were as follows:

	As of October 31,		
	2024	2023	2022
	In millions		
Balance at beginning of period	\$ 243	\$ 325	\$ 228
Provision for credit losses ⁽¹⁾	50	58	177
Adjustment to the existing allowance	(4)	—	(10)
Write-offs	(95)	(140)	(70)
Balance at end of period	\$ 194	\$ 243	\$ 325

(1) Fiscal 2022 included a provision of \$99 million related to expected credit losses due to the Company's exit from its Russia and Belarus businesses.

The following table summarizes the aging and non-accrual status of gross financing receivables:

	As of October 31,	
	2024	2023
	In millions	
Billed: ⁽¹⁾		
Current 1-30 days	\$ 334	\$ 320
Past due 31-60 days	29	30
Past due 61-90 days	12	13
Past due > 90 days	79	100
Unbilled sales-type and direct-financing lease receivables	9,193	8,351
Total gross financing receivables	\$ 9,647	\$ 8,814
Gross financing receivables on non-accrual status ⁽²⁾	\$ 214	\$ 227
Gross financing receivables 90 days past due and still accruing interest ⁽²⁾	\$ 82	\$ 81

(1) Includes billed operating lease receivables and billed sales-type and direct-financing lease receivables.

(2) Includes billed operating lease receivables and billed and unbilled sales-type and direct-financing lease receivables.

Operating Lease Assets Included in Machinery and Equipment

Operating lease assets included in Property, plant and equipment, net in the Consolidated Balance Sheets were as follows:

	As of October 31,	
	2024	2023
	In millions	
Equipment leased to customers	\$ 6,669	\$ 7,019
Accumulated depreciation	(3,037)	(2,919)
Total	\$ 3,632	\$ 4,100

Lessor Operating Lease Payments Maturity

As of October 31, 2024, minimum future rentals on non-cancelable operating leases related to leased equipment were as follows:

Fiscal year	As of October 31, 2024	
	In millions	
2025	\$	1,696
2026		962
2027		339
2028		36
2029		3
Thereafter		1
Total	\$	3,037

Lessor Lease Activity

The following table presents amounts included in the Consolidated Statements of Earnings related to lessor activity:

	Location	For the fiscal years ended October 31,		
		2024	2023	2022
		In millions		
Interest income from sales-type leases and direct financing leases	Financing income	\$ 668	\$ 547	\$ 483
Lease income from operating leases	Services	2,344	2,407	2,296
Total lease income		\$ 3,012	\$ 2,954	\$ 2,779

Schedule of Variable Interest Entities

The assets in the table below include those that can be used to settle the obligations of the VIE. Additionally, general creditors do not have recourse to the assets of the VIE.

	As of October 31,	
	2024	2023
	In millions	
Assets held by VIE:		
Other current assets	\$ 189	\$ 145
Financing receivables		
Short-term	\$ 872	\$ 764
Long-term	\$ 1,079	\$ 983
Property, plant and equipment, net	\$ 1,033	\$ 1,214
Liabilities held by VIE:		
Notes payable and short-term borrowings, net of unamortized debt issuance costs	\$ 1,433	\$ 1,392
Long-term debt, net of unamortized debt issuance costs	\$ 965	\$ 1,082

XML 60 R43.htm IDEA: XBRL DOCUMENT

Acquisitions and Dispositions (Tables)

Business Combinations [Abstract]

Aggregate purchase price allocation, including

12 Months Ended
Oct. 31, 2024

[preliminary allocations](#)

The following table presents the aggregate estimated fair value of the assets acquired and liabilities assumed, including those items that are still pending allocations, for the acquisition completed during fiscal 2024:

	In millions
Goodwill	\$ 98
Amortizable intangible assets	68
Net liabilities assumed	(19)
Total fair value consideration	\$ 147

The following table presents the aggregate estimated fair value of the assets acquired and liabilities assumed, including those items that are still pending allocations, for the acquisitions completed during fiscal 2023:

	In millions
Goodwill	\$ 585
Amortizable intangible assets	209
Net tangible assets assumed	46
Total fair value consideration	\$ 840

[XML 61 R44.htm IDEA: XBRL DOCUMENT](#)

Goodwill and Intangible Assets (Tables)
Goodwill and Intangible Assets Disclosure [Abstract]
[Schedule of allocation and changes in the carrying amount of goodwill](#)

**12 Months Ended
Oct. 31, 2024**

Goodwill and related changes in the carrying amount by reportable segment were as follows:

	Server	Hybrid Cloud	Intelligent Edge	Financial Services	Corporate Investments & Other	Total
Balance at October 31, 2023 ⁽¹⁾	\$ 10,220	\$ 4,716	\$ 2,908	\$ 144	\$ —	\$ 17,988
Goodwill from acquisitions	—	98	—	—	—	98
Goodwill adjustments	—	(1)	1	—	—	—
Balance at October 31, 2024 ⁽¹⁾	\$ 10,220	\$ 4,813	\$ 2,909	\$ 144	\$ —	\$ 18,086

(1) Goodwill is net of accumulated impairment losses of \$1.9 billion. Of this amount, \$1.7 billion relates to the HPC & AI reporting unit of which \$815 million was recorded during the fourth quarter of fiscal 2022. The Hybrid Cloud reporting unit has an accumulated impairment loss of \$90 million related to the former Software reporting unit which was also recorded during the fourth quarter of fiscal 2022.

[Intangible Assets](#)

	As of October 31, 2024			As of October 31, 2023		
	Gross	Accumulated Amortization	Net	Gross	Accumulated Amortization	Net
	In millions					
Customer contracts, customer lists and distribution agreements	\$ 219	\$ (70)	\$ 149	\$ 357	\$ (177)	\$ 180
Developed and core technology and patents	747	(443)	304	1,162	(711)	451
Trade name and trademarks	6	(5)	1	146	(123)	23
Capitalized software development costs	56	—	56	—	—	—
Total intangible assets	\$ 1,028	\$ (518)	\$ 510	\$ 1,665	\$ (1,011)	\$ 654

As of October 31, 2024, the weighted-average remaining useful lives of the Company's finite-lived intangible assets were as follows:

	Weighted-Average Remaining Useful Lives
	In years
Customer contracts, customer lists and distribution agreements	5
Developed and core technology and patents	3
Trade name and trademarks	1
Capitalized software development costs	3

[Schedule of estimated future amortization expense related to finite-lived purchased intangible assets](#)

As of October 31, 2024, estimated future amortization expense related to finite-lived intangible assets was as follows:

Fiscal year	In millions
2025	\$ 152
2026	128
2027	95
2028	50
2029	30
Thereafter	5
Total ⁽¹⁾	\$ 460

(1) This table does not include \$50 million of software development costs that are in-progress and not amortizable.

[XML 62 R45.htm IDEA: XBRL DOCUMENT](#)

Fair Value (Tables)

**12 Months Ended
Oct. 31, 2024**

Fair Value Disclosures [Abstract]
[Assets and Liabilities Measured at Fair Value on a Recurring Basis](#)

The following table presents the Company's assets and liabilities that are measured at fair value on a recurring basis:

As of October 31, 2024					As of October 31, 2023				
Fair Value Measured Using					Fair Value Measured Using				
Level 1	Level 2	Level 3	Total		Level 1	Level 2	Level 3	Total	
In millions									
Assets									
Cash Equivalents and Investments:									
Time deposits	\$ —	\$ 601	\$ —	\$ 601	\$ —	\$ 905	\$ —	\$ 905	
Money market funds	12,639	—	—	12,639	1,672	—	—	1,672	
Equity investments	—	—	88	88	—	—	135	135	
Foreign bonds	—	102	1	103	1	95	1	97	
Other debt securities ⁽¹⁾	—	—	14	14	—	—	22	22	
Derivative instruments:									
Foreign exchange contracts	—	299	—	299	—	464	—	464	
Total assets	\$ 12,639	\$ 1,002	\$ 103	\$ 13,744	\$ 1,673	\$ 1,464	\$ 158	\$ 3,295	
Liabilities									
Derivative instruments:									
Interest rate contracts	\$ —	\$ 58	\$ —	\$ 58	\$ —	\$ 151	\$ —	\$ 151	
Foreign exchange contracts	—	103	—	103	—	152	—	152	
Other derivatives	—	2	—	2	—	2	—	2	
Total liabilities	\$ —	\$ 163	\$ —	\$ 163	\$ —	\$ 305	\$ —	\$ 305	

(1) Available-for-sale debt securities with carrying values that approximate fair value.

[XML 63 R46.htm IDEA: XBRL DOCUMENT](#)

Financial Instruments (Tables)

**12 Months Ended
Oct. 31, 2024**

[Investments, All Other Investments \[Abstract\]](#)
[Cash Equivalents and Available-for-Sale Investments](#)

Cash equivalents and available-for-sale debt investments were as follows:

	As of October 31, 2024			As of October 31, 2023		
	Cost	Gross Unrealized Gains/(Losses)	Fair Value	Cost	Gross Unrealized Gains/(Losses)	Fair Value
	In millions					
Cash Equivalents:						
Time deposits	\$ 601	\$ —	\$ 601	\$ 905	\$ —	\$ 905
Money market funds	12,639	—	12,639	1,672	—	1,672
Total cash equivalents	13,240	—	13,240	2,577	—	2,577
Available-for-sale Debt Investments:						
Foreign bonds	101	2	103	100	(3)	97
Other debt securities	8	6	14	19	3	22
Total available-for-sale debt investments	109	8	117	119	—	119
Total cash equivalents and available-for-sale debt investments	\$ 13,349	\$ 8	\$ 13,357	\$ 2,696	\$ —	\$ 2,696

[Contractual Maturities of Investments in Available-for-Sale Debt Securities](#)

Contractual maturities of investments in available-for-sale debt securities were as follows:

	As of October 31, 2024	
	Amortized Cost	Fair Value
	In millions	
Due in more than five years	109	117
	\$ 109	\$ 117

[Gross Notional and Fair Value of Derivative Instruments in the Combined and Consolidated Balance Sheets](#)

The gross notional and fair value of derivative instruments in the Consolidated Balance Sheets were as follows:

	As of October 31, 2024							As of October 31, 2023												
	Fair Value							Fair Value												
	Outstanding Gross Notional	Other Current Assets	Long-Term Financing Receivables and Other Assets	Other Accrued Liabilities	Long-Term Other Liabilities	Outstanding Gross Notional	Other Current Assets	Long-Term Financing Receivables and Other Assets	Other Accrued Liabilities	Long-Term Other Liabilities										
In millions																				
<i>Derivatives Designated as Hedging Instruments</i>																				
Fair Value Hedges:																				
Interest rate contracts	\$	2,500	\$	—	\$	—	\$	58	\$	—	\$	2,500	\$	—	\$	—	\$	151		
Cash Flow Hedges:																				
Foreign currency contracts		7,809		107		59		31		25		8,247		252		104		33		23
Net Investment Hedges:																				
Foreign currency contracts		1,986		38		44		12		13		1,972		39		46		34		23
Total derivatives designated as hedging instruments		12,295		145		103		101		38		12,719		291		150		67		197
<i>Derivatives Not Designated as Hedging Instruments</i>																				
Foreign currency contracts		5,528		46		5		18		4		6,786		20		3		23		16
Other derivatives		147		—		—		2		—		100		—		—		2		—
Total derivatives not designated as hedging instruments		5,675		46		5		20		4		6,886		20		3		25		16
Total derivatives	\$	17,970	\$	191	\$	108	\$	121	\$	42	\$	19,605	\$	311	\$	153	\$	92	\$	213

[Offsetting Assets](#)

The information related to the potential effect of the Company's use of the master netting agreements and collateral security agreements were as follows:

	As of October 31, 2024						As of October 31, 2023					
	In the Consolidated Balance Sheets						In the Consolidated Balance Sheets					
	(i)	(ii)	(iii) = (i)-(ii)	(iv)	(v)	(vi) = (iii)-(iv)-(v)	(i)	(ii)	(iii) = (i)-(ii)	(iv)	(v)	(vi) = (iii)-(iv)-(v)
	Gross Amount Recognized	Gross Amount Offset	Net Amount Presented	Derivatives	Financial Collateral	Net Amount	Gross Amount Recognized	Gross Amount Offset	Net Amount Presented	Derivatives	Financial Collateral	Net Amount
In millions												
Derivative assets	\$ 299	\$ —	\$ 299	\$ 138	\$ 90 ⁽¹⁾	\$ 71	\$ 299	\$ —	\$ 299	\$ 138	\$ 90 ⁽¹⁾	\$ 71
Derivative liabilities	\$ 163	\$ —	\$ 163	\$ 138	\$ 27 ⁽²⁾	N/A	\$ 163	\$ —	\$ 163	\$ 138	\$ 27 ⁽²⁾	N/A
As of October 31, 2023												
In the Consolidated Balance Sheets												
	(i)	(ii)	(iii) = (i)-(ii)	(iv)	(v)	(vi) = (iii)-(iv)-(v)	(i)	(ii)	(iii) = (i)-(ii)	(iv)	(v)	(vi) = (iii)-(iv)-(v)
	Gross Amount Recognized	Gross Amount Offset	Net Amount Presented	Derivatives	Financial Collateral	Net Amount	Gross Amount Recognized	Gross Amount Offset	Net Amount Presented	Derivatives	Financial Collateral	Net Amount
In millions												
Derivative assets	\$ 464	\$ —	\$ 464	\$ 196	\$ 207 ⁽¹⁾	\$ 61	\$ 464	\$ —	\$ 464	\$ 196	\$ 207 ⁽¹⁾	\$ 61
Derivative liabilities	\$ 305	\$ —	\$ 305	\$ 196	\$ 103 ⁽²⁾	6	\$ 305	\$ —	\$ 305	\$ 196	\$ 103 ⁽²⁾	6

- (1) Represents the cash collateral posted by counterparties as of the respective reporting date for the Company's asset position, net of derivative amounts that could be offset, as of, generally, two business days prior to the respective reporting date.
- (2) Represents the collateral posted by the Company in cash or through the re-use of counterparty cash collateral as of the respective reporting date for the Company's liability position, net of derivative amounts that could be offset, as of, generally, two business days prior to the respective reporting date. As of October 31, 2024, \$27 million of collateral posted was entirely through the re-use of counterparty collateral. As of October 31, 2023, of the \$103 million of collateral posted, \$56 million was in cash and \$47 million was through the re-use of counterparty collateral.

[Offsetting Liabilities](#)

The information related to the potential effect of the Company's use of the master netting agreements and collateral security agreements were as follows:

	As of October 31, 2024						As of October 31, 2023					
	In the Consolidated Balance Sheets						In the Consolidated Balance Sheets					
	(i)	(ii)	(iii) = (i)-(ii)	(iv)	(v)	(vi) = (iii)-(iv)-(v)	(i)	(ii)	(iii) = (i)-(ii)	(iv)	(v)	(vi) = (iii)-(iv)-(v)
	Gross Amount Recognized	Gross Amount Offset	Net Amount Presented	Derivatives	Financial Collateral	Net Amount	Gross Amount Recognized	Gross Amount Offset	Net Amount Presented	Derivatives	Financial Collateral	Net Amount
In millions												
Derivative assets	\$ 299	\$ —	\$ 299	\$ 138	\$ 90 ⁽¹⁾	\$ 71	\$ 299	\$ —	\$ 299	\$ 138	\$ 90 ⁽¹⁾	\$ 71
Derivative liabilities	\$ 163	\$ —	\$ 163	\$ 138	\$ 27 ⁽²⁾	N/A	\$ 163	\$ —	\$ 163	\$ 138	\$ 27 ⁽²⁾	N/A
As of October 31, 2023												
In the Consolidated Balance Sheets												
	(i)	(ii)	(iii) = (i)-(ii)	(iv)	(v)	(vi) = (iii)-(iv)-(v)	(i)	(ii)	(iii) = (i)-(ii)	(iv)	(v)	(vi) = (iii)-(iv)-(v)
	Gross Amount Recognized	Gross Amount Offset	Net Amount Presented	Derivatives	Financial Collateral	Net Amount	Gross Amount Recognized	Gross Amount Offset	Net Amount Presented	Derivatives	Financial Collateral	Net Amount
In millions												
Derivative assets	\$ 464	\$ —	\$ 464	\$ 196	\$ 207 ⁽¹⁾	\$ 61	\$ 464	\$ —	\$ 464	\$ 196	\$ 207 ⁽¹⁾	\$ 61
Derivative liabilities	\$ 305	\$ —	\$ 305	\$ 196	\$ 103 ⁽²⁾	6	\$ 305	\$ —	\$ 305	\$ 196	\$ 103 ⁽²⁾	6

- (1) Represents the cash collateral posted by counterparties as of the respective reporting date for the Company's asset position, net of derivative amounts that could be offset, as of, generally, two business days prior to the respective reporting date.
- (2) Represents the collateral posted by the Company in cash or through the re-use of counterparty cash collateral as of the respective reporting date for the Company's liability position, net of derivative amounts that could be offset, as of, generally, two business days prior to the respective reporting date. As of October 31, 2024, \$27 million of collateral posted was entirely through the re-use of counterparty collateral. As of October 31, 2023, of the \$103 million of collateral posted, \$56 million was in cash and \$47 million was through the re-use of counterparty collateral.

[Pre-Tax Effect of Derivative Instruments and Related Hedged Items in a Fair Value Hedging Relationship](#)

The amounts recorded in the Consolidated Balance Sheets related to cumulative basis adjustments for fair value hedges were as follows:

	Carrying Amount of the Hedged Assets/ (Liabilities)				Cumulative Amount of Fair Value Hedging Adjustment Included in the Carrying Amount of the Hedged Assets/ (Liabilities)			
	As of October 31,				As of October 31,			
	2024	2023	2024	2023	2024	2023	2024	2023
In millions								
Notes payable and short-term borrowings	\$ (2,440)	\$ —	\$ —	\$ 58	\$ —	\$ —	\$ —	\$ —
Long-term debt	\$ —	\$ (2,345)	\$ (2,345)	\$ —	\$ —	\$ 151	\$ —	\$ 151

[Pre-Tax Effect of Derivative Instruments in Cash Flow Hedging Relationships](#)

The pre-tax effect of derivative instruments in cash flow and net investment hedging relationships recognized in Other Comprehensive Income ("OCI") were as follows:

	Gains (Losses) Recognized in OCI on Derivatives For the fiscal years ended October 31,			
	2024	2023	2022	2021
	In millions			
Derivatives in Cash Flow Hedging Relationship				
Foreign exchange contracts	\$ (73)	\$ (177)	\$ 1,025	\$ —
Interest rate locks	(42)	—	—	—
Derivatives in Net Investment Hedging Relationship				
Foreign exchange contracts	25	(76)	99	—
Total	\$ (90)	\$ (253)	\$ 1,124	\$ —

[Pre-Tax Effect of Derivative Instruments in Net Investment Hedging Relationships](#)

The pre-tax effect of derivative instruments in cash flow and net investment hedging relationships recognized in Other Comprehensive Income ("OCI") were as follows:

	Gains (Losses) Recognized in OCI on Derivatives For the fiscal years ended October 31,			
	2024	2023	2022	2021
	In millions			
Derivatives in Cash Flow Hedging Relationship				
Foreign exchange contracts	\$ (73)	\$ (177)	\$ 1,025	\$ —
Interest rate locks	(42)	—	—	—
Derivatives in Net Investment Hedging Relationship				
Foreign exchange contracts	25	(76)	99	—
Total	\$ (90)	\$ (253)	\$ 1,124	\$ —

[Effect of Derivative Instruments on the Statement of Earnings](#)

The following table represents the pre-tax effect of derivative instruments on total amounts of income and expense line items presented in the Consolidated Statements of Earnings in which the effects of fair value hedges, cash flow hedges and derivatives not designated as hedging instruments are recorded:

	Gains (Losses) Recognized in Income For the fiscal years ended October 31,					
	2024		2023		2022	
	Net Revenue	Interest and Other, net	Net Revenue	Interest and Other, net	Net Revenue	Interest and Other, net
	In millions					
Total net revenue and interest and other, net	\$ 30,127	\$ (117)	\$ 29,135	\$ (104)	\$ 28,496	\$ (121)
Gains (Losses) on Derivatives in Fair Value Hedging Relationships:						
Interest Rate Contracts						
Hedged items	—	(93)	—	(27)	—	273
Derivatives designated as hedging instruments	—	93	—	27	—	(273)
Gains (Losses) on Derivatives in Cash Flow Hedging Relationships:						
Foreign Exchange Contracts						
Amount of gains (losses) reclassified from accumulated other comprehensive income into income	59	(75)	28	(144)	388	590
Gains (Losses) on Derivatives not Designated as Hedging Instruments:						
Foreign exchange contracts	—	38	—	(97)	—	287
Other derivatives	—	—	—	(8)	—	(3)
Total gains (losses)	\$ 59	\$ (37)	\$ 28	\$ (249)	\$ 388	\$ 874

[XML 64 R47.htm IDEA: XBRL DOCUMENT](#)

Borrowings (Tables)

[Debt Disclosure \[Abstract\]](#)

[Schedule of notes payable and short-term borrowings, including the current portion of long-term debt](#)

Notes payable and short-term borrowings, including the current portion of long-term debt, were as follows:

	As of October 31,			
	2024		2023	
	Amount Outstanding	Weighted-Average Interest Rate	Amount Outstanding	Weighted-Average Interest Rate
Current portion of long-term debt ⁽¹⁾	\$ 3,969	7.6 %	\$ 4,022	4.8 %
Commercial paper	649	3.7 %	679	4.1 %
Notes payable to banks, lines of credit and other	124	5.0 %	167	4.6 %
Total notes payable and short-term borrowings	\$ 4,742		\$ 4,868	

(1) As of October 31, 2024, the Current portion of long-term debt, net of discount and issuance costs, included \$1.4 billion associated with the current portion of the Company issued asset-backed debt securities.

[Schedule of long-term debt](#)

Long-Term Debt

	As of October 31,			
	2024		2023	
	In millions			
Hewlett Packard Enterprise Unsecured Senior Notes				
\$1,250 issued at discount to par at a price of 99.996% in September 2024 at 4.45%, due September 25, 2026, interest payable semi-annually on March 25 and September 25 of each year	\$	1,250	\$	—
\$1,250 issued at discount to par at a price of 99.953% in September 2024 at 4.40%, due September 25, 2027, interest payable semi-annually on March 25 and September 25 of each year		1,249		—
\$1,750 issued at discount to par at a price of 99.894% in September 2024 at 4.55%, due October 15, 2029, interest payable semi-annually on April 15 and October 15 of each year		1,748		—
\$1,250 issued at discount to par at a price of 99.908% in September 2024 at 4.85%, due October 15, 2031, interest payable semi-annually on April 15 and October 15 of each year		1,249		—
\$2,000 issued at discount to par at a price of 99.078% in September 2024 at 5.00%, due October 15, 2034, interest payable semi-annually on April 15 and October 15 of each year		1,982		—
\$1,500 issued at discount to par at a price of 98.086% in September 2024 at 5.60%, due October 15, 2054, interest payable semi-annually on April 15 and October 15 of each year		1,471		—
\$250 issued at premium to par at a price of 100.452% in June 2023 at 5.90%, due October 1, 2024, interest payable semi-annually on April 1 and October 1 of each year		—		251
\$550 issued at discount to par at a price of 99.887% in June 2023 at 5.25%, due July 1, 2028, interest payable semi-annually on January 1 and July 1 of each year		550		549
\$400 issued at discount to par at a price of 99.997% in March 2023 at 6.102%, due April 1, 2026, interest payable semi-annually on April 1 and October 1 of each year		—		400
\$1,300 issued at discount to par at a price of 99.934% in March 2023 at 5.90%, due October 1, 2024, interest payable semi-annually on April 1 and October 1 of each year		—		1,299
\$1,000 issued at discount to par at a price of 99.883% in July 2020 at 1.45%, due April 1, 2024, interest payable semi-annually on April 1 and October 1 of each year		—		1,000
\$750 issued at discount to par at a price of 99.820% in July 2020 at 1.75%, due April 1, 2026, interest payable semi-annually on April 1 and October 1 of each year		750		749
\$2,500 issued at discount to par at a price of 99.725% in October 2015 at 4.90%, due October 15, 2025, interest payable semi-annually on April 15 and October 15 of each year		2,499		2,499
\$750 issued at discount to par at a price of 99.942% in October 2015 at 6.20%, due October 15, 2035, interest payable semi-annually on April 15 and October 15 of each year		750		750
\$1,500 issued at discount to par at a price of 99.932% in October 2015 at 6.35%, due October 15, 2045, interest payable semi-annually on April 15 and October 15 of each year		1,499		1,499
Hewlett Packard Enterprise Asset-Backed Debt Securities				
\$818 issued in June 2024, in six tranches at a weighted average price of 99.99% and a weighted average interest rate of 5.59%, payable monthly from July 2024		700		—
\$796 issued in January 2024, in six tranches at a weighted average price of 99.99% and a weighted average interest rate of 5.48%, payable monthly from February 2024		583		—
\$612 issued in September 2023, in six tranches at a weighted average price of 99.99% and a weighted average interest rate of 6.40%, payable monthly from October 2023 with a stated final maturity of July 2031		373		596
\$643 issued in March 2023 and April 2023, in five tranches at a weighted average price of 99.99% and a weighted average interest rate of 5.59%, payable monthly from April 2023 with a stated final maturity of April 2028		257		483
\$651 issued in October 2022, in five tranches at a weighted average price of 99.99% and a weighted average interest rate of 5.55%, payable monthly from November 2022 with a stated final maturity date of August 2029		191		393
\$747 issued in May 2022, in six tranches at a weighted average price of 99.99% and a weighted average interest rate of 3.68%, payable monthly from July 2022 with a stated final maturity date of March 2030		148		367
\$1,000 issued in January 2022, in six tranches at a weighted average price of 99.99% and a weighted average interest rate of 1.51%, payable monthly from March 2022 with a stated final maturity date of November 2029		124		391
\$753 issued in June 2021, in six tranches at a weighted average price of 99.99% and a weighted average interest rate of 0.58%, payable monthly from August 2021 with a stated final maturity date of March 2029		26		147
\$1,000 issued in March 2021, in six tranches at a weighted average price of 99.99% and a weighted average interest rate of 0.49%, payable monthly from April 2021 with a stated final maturity date of March 2031		—		102
Other, including finance lease obligations, at 1.6%-6.3%, due in calendar years 2024-2030 ⁽¹⁾		208		215
Fair value adjustment related to hedged debt		(58)		(151)
Unamortized debt issuance costs		(76)		(30)
Less: current portion		(3,969)		(4,022)
Total long-term debt	\$	13,504	\$	7,487

(1) Other, including finance lease obligations included \$14 million and \$36 million as of October 31, 2024 and 2023, respectively, of borrowing- and funding-related activity associated with FS and its subsidiaries that are collateralized by receivables and underlying assets associated with the related finance and operating leases. For both the periods presented, the carrying amount of the assets approximated the carrying amount of the borrowings.

Interest expense on borrowings recognized in the Consolidated Statements of Earnings was as follows:

	Location	For the fiscal years ended October 31,		
		2024	2023	2022
		In millions		
Financing interest	Financing cost	\$ 495	\$ 383	\$ 211
Interest expense	Interest and other, net	282	326	260
Total interest expense		\$ 777	\$ 709	\$ 471

[Schedule of aggregate future maturities of long-term debt at face value](#)

As of October 31, 2024, aggregate future maturities of the Company's borrowings at face value (excluding a fair value adjustment related to hedged debt of \$58 million, a net discount of \$53 million and unamortized debt issuance costs of \$76 million), including finance lease obligations were as follows:

Fiscal year	In millions
2025	\$ 4,032
2026	2,710
2027	1,545
2028	612
2029	1,758
Thereafter	7,003
Total	\$ 17,660

[XML 65 R48.htm IDEA: XBRL DOCUMENT](#)

**Stockholders' Equity
(Tables)**

[Stockholders' Equity Note \[Abstract\]](#)

[Schedule of Accumulated Other Comprehensive loss, net of taxes](#)

12 Months Ended

Oct. 31, 2024

The components of accumulated other comprehensive loss, net of taxes as of October 31, 2024 and changes during fiscal 2024 were as follows:

	Net unrealized gains on available-for-sale securities	Net unrealized gains (losses) on cash flow hedges	Unrealized components of defined benefit plans	Cumulative translation adjustment	Accumulated other comprehensive loss
	In millions				
Balance at beginning of period	\$ —	\$ 61	\$ (2,507)	\$ (638)	\$ (3,084)
Other comprehensive income (loss) before reclassifications	8	(115)	34	(23)	(96)
Reclassifications of losses into earnings	—	16	138	32	186
Tax benefit (provision)	—	22	(7)	2	17
Balance at end of period	\$ 8	\$ (16)	\$ (2,342)	\$ (627)	\$ (2,977)

The components of accumulated other comprehensive loss, net of taxes as of October 31, 2023 and changes during fiscal 2023 were as follows:

	Net unrealized (losses) gains on available-for-sale securities	Net unrealized gains (losses) on cash flow hedges	Unrealized components of defined benefit plans	Cumulative translation adjustment	Accumulated other comprehensive loss
In millions					
Balance at beginning of period	\$ (1)	\$ 109	\$ (2,596)	\$ (610)	\$ (3,098)
Other comprehensive income (loss) before reclassifications	1	(177)	(99)	(32)	(307)
Reclassifications of losses into earnings	—	116	147	—	263
Tax benefit	—	13	41	4	58
Balance at end of period	\$ —	\$ 61	\$ (2,507)	\$ (638)	\$ (3,084)

The components of accumulated other comprehensive loss, net of taxes as of October 31, 2022 and changes during fiscal 2022 were as follows:

	Net unrealized gains (losses) on available-for-sale securities	Net unrealized gains (losses) on cash flow hedges	Unrealized components of defined benefit plans	Cumulative translation adjustment	Accumulated other comprehensive loss
In millions					
Balance at beginning of period	\$ 15	\$ 81	\$ (2,545)	\$ (466)	\$ (2,915)
Other comprehensive (loss) income before reclassifications	(16)	1,025	(315)	(146)	548
Reclassifications of (gains) losses into earnings	—	(978)	160	—	(818)
Tax (provision) benefit	—	(19)	104	2	87
Balance at end of period	\$ (1)	\$ 109	\$ (2,596)	\$ (610)	\$ (3,098)

[XML 66 R49.htm IDEA: XBRL DOCUMENT](#)

**Net Earnings (Loss)
Per Share (Tables)**

[Earnings Per Share \[Abstract\]](#)
[Basic and diluted net Earnings Per
Share calculations](#)

**12 Months Ended
Oct. 31, 2024**

The reconciliations of the numerators and denominators of each of the basic and diluted net EPS calculations were as follows:

	For the fiscal years ended October 31,		
	2024	2023	2022
	In millions, except per share amounts		
Numerator:			
Net earnings attributable to common stockholders - Basic	\$ 2,554	\$ 2,025	\$ 868
Plus: 7.625% Series C mandatory convertible preferred stock dividends	25	—	—
Net earnings - Diluted	\$ 2,579	\$ 2,025	\$ 868
Denominator:			
Weighted-average shares used to compute basic net EPS	1,309	1,299	1,303
Dilutive effect of employee stock plans ⁽¹⁾	18	17	19
Dilutive effect of 7.625% Series C mandatory convertible preferred stock ⁽¹⁾	10	—	—
Weighted-average shares used to compute diluted net EPS	1,337	1,316	1,322
Net earnings per share attributable to common stockholders:			
Basic	\$ 1.95	\$ 1.56	\$ 0.67
Diluted	\$ 1.93	\$ 1.54	\$ 0.66
Anti-dilutive weighted-average stock awards ⁽²⁾	—	—	2

- (1) The impact of dilutive effect of employee stock plans is calculated under the treasury stock method, and the impact of dilutive effect of the 7.625% Series C Mandatory Convertible Preferred Stock is calculated under the if converted method.
- (2) The Company excludes shares potentially issuable under employee stock plans that could dilute basic net EPS in the future from the calculation of diluted net earnings per share, as their effect, if included, would have been anti-dilutive for the periods presented.

[XML 67 R50.htm IDEA: XBRL DOCUMENT](#)

**Guarantees and
Indemnifications
(Tables)**

[Guarantees \[Abstract\]](#)
[Schedule of indemnified litigation matters and
other contingencies](#)

**12 Months Ended
Oct. 31, 2024**

As of October 31, 2024 and 2023, the Company's receivable and payable balances related to indemnified litigation matters and other contingencies, and income tax-related indemnification covered by these agreements were as follows:

	As of October 31,	
	2024	2023
	In millions	
Litigation Matters and Other Contingencies		
Receivable	\$ 37	\$ 42
Payable	47	48
Income Tax-Related Indemnification ⁽¹⁾		
Net indemnification receivable - long-term	35	31
Net indemnification receivable - short-term	\$ —	\$ 11

- (1) The actual amount that the Company may receive or pay could vary depending upon the outcome of certain unresolved tax matters, which may not be resolved for several years.

[XML 68 R51.htm IDEA: XBRL DOCUMENT](#)

**Equity Interests
(Tables)**

[Equity Method Investments and Joint
Ventures \[Abstract\]](#)
[Equity Method Investments](#)

**12 Months Ended
Oct. 31, 2024**

The Company recorded earnings from equity interests of \$147 million, \$245 million and \$215 million in fiscal 2024, 2023 and 2022, respectively, in the Consolidated Statements of Earnings, the components of which are as follows:

	For the fiscal years ended October 31,		
	2024	2023	2022
	In millions		
Earnings from equity interests, net of taxes	\$ 154	\$ 242	\$ 270
Basis difference amortization	(3)	(9)	(45)
Adjustment of profit on intra-entity sales	(4)	12	(10)
Earnings from equity interests	\$ 147	\$ 245	\$ 215

[XML 69 R52.htm IDEA: XBRL DOCUMENT](#)

**Overview and
Summary of
Significant
Accounting Policies -
Narrative (Details)
\$ in Millions**

Segment Reporting Information

[Number of new reportable segments | segment](#)

[Costs and expenses](#)

[Financing cost](#)

[\(Gain\) loss on recoveries and catastrophes](#)

[Advertising expense](#)

[Average warranty expense as a percent of annual product revenue](#)

[Conflict Between Russian and Ukraine and Related Trade Sanctions](#)

Segment Reporting Information

[Costs and expenses](#)

[Financing cost](#)

[Cost of products and services](#)

[\(Gain\) loss on recoveries and catastrophes](#)

[Minimum](#)

Segment Reporting Information

[Amortization period](#)

[Estimated useful life for finite-lived intangible assets](#)

[Standard warranty term](#)

[Minimum | Buildings and improvements](#)

Segment Reporting Information

[Estimated useful life for property, plant and equipment](#)

[Minimum | Machinery and equipment, including equipment held for lease](#)

Segment Reporting Information

[Estimated useful life for property, plant and equipment](#)

[Minimum | Capitalized internal use software](#)

Segment Reporting Information

12 Months Ended

Oct. 31, 2024	Oct. 31, 2023	Oct. 31, 2022
USD (\$)	USD (\$)	USD (\$)
segment		

2		
\$ 27,937	\$ 27,046	\$ 27,714
495	383	211
(7)	(1)	(48)
\$ 117	\$ 173	\$ 179
1.10%	1.10%	1.10%

\$ 161
99
12
\$ 50

2 years
1 year
1 year

5 years

3 years

Estimated useful life for property, plant and equipment	3 years
Maximum	
Segment Reporting Information	
Amortization period	5 years
Estimated useful life for finite-lived intangible assets	10 years
Standard warranty term	5 years
Maximum Buildings and improvements	
Segment Reporting Information	
Estimated useful life for property, plant and equipment	40 years
Maximum Machinery and equipment, including equipment held for lease	
Segment Reporting Information	
Estimated useful life for property, plant and equipment	15 years
Maximum Capitalized internal use software	
Segment Reporting Information	
Estimated useful life for property, plant and equipment	5 years
XML 70 R53.htm IDEA: XBRL DOCUMENT	

Overview and Summary of Significant Accounting Policies - Impact of Weighted Average Assumptions on Net Periodic Benefit (Costs) (Details)	12 Months Ended
\$ in Millions	

Change in basis points	
Discount rate	(0.0025)
Expected increase in compensation levels	0.0025
Expected long-term return on plan assets	(0.0025)
Change in Net Periodic Benefit Cost	
Discount rate	\$ 17
Expected increase in compensation levels	3
Expected long-term return on plan assets	\$ 25
XML 71 R54.htm IDEA: XBRL DOCUMENT	

Segment Information - Narrative (Detail) - segment	12 Months Ended
	Oct. 31, 2024 Oct. 31, 2023

Segment Reporting Information		
Number of reportable segments	5	
Major Customers Net Revenue Customer One		
Segment Reporting Information		
Concentration of credit risk (as a percent)	14.00%	11.00%
Major Customers Net Revenue Customer Two		
Segment Reporting Information		
Concentration of credit risk (as a percent)	11.00%	
XML 72 R55.htm IDEA: XBRL DOCUMENT		

Segment Information - Segment Operating Results from Continuing Operations (Details) - USD (\$)	12 Months Ended
\$ in Millions	
	Oct. 31, 2024 Oct. 31, 2023 Oct. 31, 2022

Segment Reporting Information			
Net revenue	\$ (30,127)	\$ (29,135)	\$ (28,496)
Segment earnings (loss) from operations	2,190	2,089	782
Intersegment net revenue			
Segment Reporting Information			
Net revenue	522	563	417
Operating segments			
Segment Reporting Information			
Net revenue	(30,649)	(29,698)	(28,913)
Segment earnings (loss) from operations	3,469	3,609	3,329
Server			
Segment Reporting Information			
Net revenue	(15,931)	(13,926)	(15,137)
Server Intersegment net revenue			
Segment Reporting Information			
Net revenue	274	435	335
Server Operating segments			
Segment Reporting Information			
Net revenue	(16,205)	(14,361)	(15,472)
Segment earnings (loss) from operations	1,818	1,830	1,958
Hybrid Cloud			
Segment Reporting Information			
Net revenue	(5,172)	(5,396)	(5,173)
Hybrid Cloud Intersegment net revenue			
Segment Reporting Information			
Net revenue	214	97	60
Hybrid Cloud Operating segments			
Segment Reporting Information			
Net revenue	(5,386)	(5,493)	(5,233)
Segment earnings (loss) from operations	245	232	468
Intelligent Edge			
Segment Reporting Information			
Net revenue	(4,501)	(5,362)	(3,849)
Intelligent Edge Intersegment net revenue			
Segment Reporting Information			
Net revenue	31	17	8
Intelligent Edge Operating segments			
Segment Reporting Information			
Net revenue	(4,532)	(5,379)	(3,857)
Segment earnings (loss) from operations	1,115	1,343	542
Financial Services			
Segment Reporting Information			
Net revenue	(3,509)	(3,466)	(3,326)
Financial Services Intersegment net revenue			
Segment Reporting Information			
Net revenue	3	14	13

Segment Reporting Information

Net revenue	(3,512)	(3,480)	(3,339)
Segment earnings (loss) from operations	316	281	387
Corporate Investments and Other			
Segment Reporting Information			
Net revenue	(1,014)	(985)	(1,011)
Corporate Investments and Other Intersegment net revenue			
Segment Reporting Information			
Net revenue	0	0	1
Corporate Investments and Other Operating segments			
Segment Reporting Information			
Net revenue	(1,014)	(985)	(1,012)
Segment earnings (loss) from operations	\$ (25)	\$ (77)	\$ (26)

XML 73 R56.htm IDEA: XBRL DOCUMENT

Segment Information	12 Months Ended		
- Reconciliation of			
Segment Operating			
Results (Details) -	Oct. 31, 2024	Oct. 31, 2023	Oct. 31, 2022
USD (\$)			
\$ in Millions			

Net Revenue:

Net revenue	\$ 30,127	\$ 29,135	\$ 28,496

Earnings Before Taxes:

Total segment earnings from operations	2,190	2,089	782
Stock-based compensation expense	(430)	(428)	(391)
Amortization of intangible assets	(267)	(288)	(293)
Goodwill, Impairment Loss	0	0	(905)
Transformation costs	(93)	(283)	(473)
Acquisition, disposition and other related charges	(204)	(69)	(19)
Gain on sale of equity interest	733	0	0
Earnings from equity interests	147	245	215
Earnings before provision for taxes	2,953	2,230	876

Operating segments

Net Revenue:

Net revenue	30,649	29,698	28,913

Earnings Before Taxes:

Total segment earnings from operations	3,469	3,609	3,329
Elimination of intersegment net revenue			

Net Revenue:

Net revenue	(522)	(563)	(417)

Segment Reconciling Items

Earnings Before Taxes:

Unallocated corporate costs and eliminations	(301)	(464)	(303)
Stock-based compensation expense	(430)	(428)	(391)
Amortization of initial direct costs	0	0	(4)
Amortization of intangible assets	(267)	(288)	(293)
Goodwill, Impairment Loss	0	0	(905)
Transformation costs	(93)	(283)	(473)
Disaster recovery (charges)	51	12	(159)
Divestiture related exit costs	(35)	0	0
Acquisition, disposition and other related charges	(204)	(69)	(19)
Interest and other, net	(117)	(104)	(121)
Gain on sale of equity interest	733	0	0
Earnings from equity interests	\$ 147	\$ 245	\$ 215

XML 74 R57.htm IDEA: XBRL DOCUMENT

Segment Information	12 Months Ended		
- Revenue by			
Geographic Region			
(Details) - USD (\$)	Oct. 31, 2024	Oct. 31, 2023	Oct. 31, 2022
\$ in Millions			

Segment Reporting Information

Net revenue		\$ 30,127	\$ 29,135	\$ 28,496

Net property, plant and equipment:

Property, plant and equipment, net	[1]	5,664	5,989	
U.S.				

Segment Reporting Information

Net revenue		10,890	10,369	9,425

Net property, plant and equipment:

Property, plant and equipment, net		2,616	2,803	
Americas excluding U.S.				

Segment Reporting Information

Net revenue		2,345	2,208	1,964

Total Americas

Segment Reporting Information

Net revenue		13,235	12,577	11,389

Europe, Middle East and Africa

Segment Reporting Information

Net revenue		10,189	10,151	10,292

Asia Pacific and Japan

Segment Reporting Information

Net revenue		6,703	6,407	\$ 6,815

Other countries

Net property, plant and equipment:

Property, plant and equipment, net		\$ 3,048	\$ 3,186	

[1] This balance includes \$593 million and \$606 million of internal use software, net as of October 31, 2024 and 2023, respectively.

XML 75 R58.htm IDEA: XBRL DOCUMENT

Transformation	12 Months Ended		
Programs -			
Transformation Costs			
(Details) - USD (\$)	Oct. 31, 2024	Oct. 31, 2023	Oct. 31, 2022
\$ in Millions			

Restructuring Cost and Reserve [Line Items]

Total	\$ 93	\$ 283	\$ 473

Cost Optimization and Prioritization Plan

Restructuring Cost and Reserve [Line Items]

Program management	2	9	27
IT costs	13	26	26
Restructuring charges	32	226	201

Total	47	261	254
HPE Next Plan			
Restructuring Cost and Reserve [Line Items]			
Program management	1	0	7
IT costs	47	91	184
Restructuring charges	1	16	13
Gains on real estate sales	0	(85)	(8)
Impairment on real estate assets	0	0	11
Other	0	3	13
Total	\$ 49	\$ 25	\$ 220

XML 76 R59.htm IDEA: XBRL DOCUMENT

Transformation	12 Months Ended		
Programs - Schedule of Restructuring Activities (Details) - USD (\$)	Oct. 31, 2024	Oct. 31, 2023	Oct. 31, 2022
\$ in Millions			

Cost Optimization and Prioritization Plan

Restructuring Reserve

Charges	\$ 32	\$ 226	\$ 201

Cost Optimization and Prioritization Plan | Employee Severance

Restructuring Reserve

Balance at the beginning of the period	152		
Charges	30		
Cash payments	(113)		
Non-cash items	(2)		
Balance at the end of the period	67	152	
Restructuring and Related Cost, Cost Incurred to Date	823		
Restructuring and Related Cost, Expected Cost Remaining	823		

Cost Optimization and Prioritization Plan | Infrastructure and other

Restructuring Reserve

Balance at the beginning of the period	127		
Charges	2		
Cash payments	(38)		
Non-cash items	3		
Balance at the end of the period	94	127	
Restructuring and Related Cost, Cost Incurred to Date	563		
Restructuring and Related Cost, Expected Cost Remaining	563		

HPE Next Plan

Restructuring Reserve

Charges	1	16	\$ 13

HPE Next Plan | Employee Severance

Restructuring Reserve

Balance at the beginning of the period	6		
Charges	0		
Cash payments	(5)		
Non-cash items	(1)		
Balance at the end of the period	0	6	
Restructuring and Related Cost, Cost Incurred to Date	1,267		
Restructuring and Related Cost, Expected Cost Remaining	1,267		

HPE Next Plan | Infrastructure and other

Restructuring Reserve

Balance at the beginning of the period	27		
Charges	1		
Cash payments	(7)		
Non-cash items	2		
Balance at the end of the period	23	\$ 27	
Restructuring and Related Cost, Cost Incurred to Date	271		
Restructuring and Related Cost, Expected Cost Remaining	\$ 271		

XML 77 R60.htm IDEA: XBRL DOCUMENT

Transformation	12 Months Ended		
Programs - Narrative (Details) - USD (\$)	Oct. 31, 2024	Oct. 31, 2023	
\$ in Millions			

Restructuring Cost and Reserve [Line Items]

Accrued restructuring	\$ 61	\$ 180	

HPE Next and Cost Optimization and Prioritization Plan

Restructuring Cost and Reserve [Line Items]

Accrued restructuring	61	180	
Long-term portion of restructuring reserve, recorded in Other liabilities	106	110	

HPE Next and Cost Optimization and Prioritization Plan | Other accrued liabilities

Restructuring Cost and Reserve [Line Items]

Accrued restructuring	\$ 17	\$ 22	

XML 78 R61.htm IDEA: XBRL DOCUMENT

Retirement and Post-Retirement Benefit Plans - Narrative (Details) - USD (\$)	12 Months Ended		
\$ in Millions	Dec. 01, 2024	Oct. 31, 2024	Oct. 31, 2023
			Oct. 31, 2022

Defined Contribution Plan Disclosure [Line Items]

Total defined contribution expense	\$ 206		\$ 196

Defined Contribution Plan, Tax Status [Extensible Enumeration]

Subsequent Event

Defined Contribution Plan Disclosure [Line Items]

Defined benefit plan, benefit obligation, divestiture	\$ 13		
Defined benefit plan, plan assets, divestiture	\$ 7		

U.S.

Defined Contribution Plan Disclosure [Line Items]

Expected contribution to defined benefit plans in fiscal 2023	\$ 1		

Defined Benefit Plans

Defined Contribution Plan Disclosure [Line Items]

Defined benefit plan, benefit obligation	10,256	\$ 9,362	9,517
Fair value of plan assets	11,007	9,879	9,915
Employer contributions	172	179	

Defined Benefit Plans | Non-U.S. Plans

Defined Contribution Plan Disclosure [Line Items]

Fair value of plan assets	\$ 11,007	9,879	
Target Allocation	100.00%		
Employer contributions	\$ 172		
Expected contribution to defined benefit plans in fiscal 2023	189		

[Defined Benefit Plans | Non-U.S. Plans | Level 1](#)

[Defined Contribution Plan Disclosure \[Line Items\]](#)

Fair value of plan assets 948 912

[Defined Benefit Plans | Non-U.S. Plans | Level 2](#)

[Defined Contribution Plan Disclosure \[Line Items\]](#)

Fair value of plan assets 6,412 5,591

[Post-Retirement Benefit Plans](#)

[Defined Contribution Plan Disclosure \[Line Items\]](#)

Defined benefit plan, benefit obligation 162 148 138

Fair value of plan assets 76 68 \$ 60

[Employer contributions](#)

Expected contribution to defined benefit plans in fiscal 2023 4 6

[Registered Investment Companies | Post-Retirement Benefit Plans](#)

[Defined Contribution Plan Disclosure \[Line Items\]](#)

Fair value of plan assets 76 68

[Registered Investment Companies | Post-Retirement Benefit Plans | Level 1](#)

[Defined Contribution Plan Disclosure \[Line Items\]](#)

Fair value of plan assets 61 55

[Registered Investment Companies | Post-Retirement Benefit Plans | Level 2](#)

[Defined Contribution Plan Disclosure \[Line Items\]](#)

Fair value of plan assets 15 13

[Cash and Cash Equivalents | Defined Benefit Plans | Non-U.S. Plans](#)

[Defined Contribution Plan Disclosure \[Line Items\]](#)

Fair value of plan assets \$ 351 315

[Target Allocation](#)

Cash and Cash Equivalents | Defined Benefit Plans | Non-U.S. Plans | Level 1 1.00%

[Defined Contribution Plan Disclosure \[Line Items\]](#)

Fair value of plan assets \$ 157 222

[Cash and Cash Equivalents | Defined Benefit Plans | Non-U.S. Plans | Level 2](#)

[Defined Contribution Plan Disclosure \[Line Items\]](#)

Fair value of plan assets \$ 194 \$ 93

[Cash and Cash Equivalents | Post-Retirement Benefit Plans](#)

[Defined Contribution Plan Disclosure \[Line Items\]](#)

Target Allocation 80.00%

[Multi-Asset Credit Investments | Post-Retirement Benefit Plans](#)

[Defined Contribution Plan Disclosure \[Line Items\]](#)

Target Allocation 20.00%

[Derivative | Defined Benefit Plans](#)

[Defined Contribution Plan Disclosure \[Line Items\]](#)

Defined benefit plan, plan assets, equity exposure \$ 396

[HPE 401\(k\) Plan](#)

[Defined Contribution Plan Disclosure \[Line Items\]](#)

Percent of equal 401(k) match to employees effective during the period 100.00%

Percentage of maximum matching contribution 4.00%

[XML 79 R62.htm IDEA: XBRL DOCUMENT](#)

12 Months Ended			
Retirement and Post-Retirement Benefit Plans - Summary of Net Benefit Cost (Details) - USD (\$)	Oct. 31, 2024	Oct. 31, 2023	Oct. 31, 2022
\$ in Millions			

[Defined Benefit Plans](#)

[Net benefit \(credit\) cost](#)

Service cost \$ 49 \$ 53 \$ 78

Interest cost (1) 408 386 154

Expected return on plan assets (1) (550) (539) (450)

[Amortization and deferrals:](#)

Actuarial loss (gain) (1) 148 160 167

Prior service benefit (1) (8) (10) (10)

Net periodic benefit cost (credit) (1) 47 50 (61)

Settlement loss and special termination benefits (1) 4 6 5

Total net benefit cost (credit) 51 56 (56)

[Post-Retirement Benefit Plans](#)

[Net benefit \(credit\) cost](#)

Service cost 1 1 1

Interest cost (1) 9 8 4

Expected return on plan assets (1) (4) (2) (2)

[Amortization and deferrals:](#)

Actuarial loss (gain) (1) (4) (6) (2)

Prior service benefit (1) 0 0 0

Net periodic benefit cost (credit) (1) 2 1 1

Settlement loss and special termination benefits (1) 0 0 0

Total net benefit cost (credit) \$ 2 \$ 1 \$ 1

[1] These non-service components were included in Interest and other, net in the Consolidated Statements of Earnings.

[XML 80 R63.htm IDEA: XBRL DOCUMENT](#)

12 Months Ended			
Retirement and Post-Retirement Benefit Plans - Weighted Average Assumptions Used to Calculate the Projected Benefit Obligations (Details)	Oct. 31, 2024	Oct. 31, 2023	Oct. 31, 2022

[Defined Benefit Plans](#)

[Defined benefit plans](#)

Discount rate used to determine benefit obligation 4.40% 3.90% 1.30%

Discount rate used to determine service cost 4.70% 4.20% 1.70%

Discount rate used to determine interest cost 4.40% 3.90% 1.10%

Expected increase in compensation levels 2.90% 3.00% 2.60%

Expected long-term return on plan assets 5.50% 5.10% 3.20%

Interest Crediting Rate (1) 2.40% 2.40% 2.50%

[Post-Retirement Benefit Plans](#)

[Defined benefit plans](#)

Discount rate used to determine benefit obligation 6.50% 6.00% 3.00%

Discount rate used to determine service cost 6.10% 5.70% 2.70%

Discount rate used to determine interest cost 6.40% 5.90% 2.60%

Expected increase in compensation levels 0.00% 0.00% 0.00%

Expected long-term return on plan assets 5.30% 4.30% 3.30%

Interest Crediting Rate (1) 5.30% 4.30% 2.70%

[1] The average assumed interest credited for HPE's cash balance plans and post-retirement plans, as applicable.

Retirement and Post-Retirement Benefit Plans - Funded Status of Plans (Details) - USD (\$)	Oct. 31, 2024	Oct. 31, 2023	Oct. 31, 2022
\$ in Millions			

Defined Benefit Plans

Change in fair value of plan assets:

Fair value - beginning of year	\$ 9,879	\$ 9,915	
Reimbursement of benefit payments	(90)	(82)	
Actual return on plan assets	1,207	(315)	
Employer contributions	172	179	
Participant contributions	26	24	
Benefits paid	(509)	(449)	
Settlement	(18)	(29)	
Currency impact	340	636	
Fair value—end of year	11,007	9,879	\$ 9,915

Change in benefit obligation:

Projected benefit obligation—beginning of year	9,362	9,517	
Addition/deletion of plans	[2] 0	1	
Service cost	49	53	78
Interest cost	[3] 408	386	154
Participant contributions	26	24	
Actuarial loss (gain)	613	(756)	
Benefits paid	(509)	(449)	
Plan amendments	4	0	
Settlement	(18)	(29)	
Special termination benefits	2	2	
Currency impact	319	613	
Projected benefit obligation—end of year	10,256	9,362	9,517
Funded (Unfunded) Status of Plan	751	517	
Accumulated benefit obligation	10,130	9,233	

Post-Retirement Benefit Plans

Change in fair value of plan assets:

Fair value - beginning of year	68	60	
Reimbursement of benefit payments	0	0	
Actual return on plan assets	5	4	
Employer contributions	4	6	
Participant contributions	6	7	
Benefits paid	(7)	(9)	
Settlement	0	0	
Currency impact	0	0	
Fair value—end of year	76	68	60

Change in benefit obligation:

Projected benefit obligation—beginning of year	148	138	
Addition/deletion of plans	[2] 0	0	
Service cost	1	1	1
Interest cost	[3] 9	8	4
Participant contributions	6	7	
Actuarial loss (gain)	7	3	
Benefits paid	(7)	(9)	
Plan amendments	0	0	
Settlement	0	0	
Special termination benefits	0	0	
Currency impact	(2)	0	
Projected benefit obligation—end of year	162	148	\$ 138
Funded (Unfunded) Status of Plan	(86)	(80)	
Accumulated benefit obligation	\$ 0	\$ 0	

[1] the German Contractual Trust Arrangements.

[2] Includes the addition/deletion of plans resulting from acquisitions.

[3] These non-service components were included in Interest and other, net in the Consolidated Statements of Earnings.

Retirement and Post-Retirement Benefit Plans - Weighted Average Assumptions Used to Calculate the Projected Benefit Obligations for Direct Plans (Details)	Oct. 31, 2024	Oct. 31, 2023
Defined Benefit Plans		

Defined Benefit Plans and Other Postretirement Benefit Plans Table Text Block [Line Items]

Discount rate	3.80%	4.40%
Expected increase in compensation levels	2.60%	2.90%
Interest crediting rate	2.50%	2.40%

Post-Retirement Benefit Plans

Defined Benefit Plans and Other Postretirement Benefit Plans Table Text Block [Line Items]

Discount rate	5.60%	6.50%
Expected increase in compensation levels	0.00%	0.00%
Interest crediting rate	4.80%	5.30%

Retirement and Post-Retirement Benefit Plans - Net Amounts Recognized for the Direct Plans in Combined and Consolidated Balance Sheets (Details) - USD (\$)	Oct. 31, 2024	Oct. 31, 2023
\$ in Millions		
Defined Benefit Plans		

Defined Benefit Plans and Other Postretirement Benefit Plans Table Text Block [Line Items]

Non-current assets	\$ 1,555	\$ 1,313
Current liabilities	(52)	(51)
Non-current liabilities	(752)	(745)
Funded status at end of year	751	517

Post-Retirement Benefit Plans

Defined Benefit Plans and Other Postretirement Benefit Plans Table Text Block [Line Items]

Non-current assets	0	0
Current liabilities	(6)	(8)
Non-current liabilities	(80)	(72)
Funded status at end of year	\$ (86)	\$ (80)

[XML 84 R67.htm IDEA: XBRL DOCUMENT](#)

Retirement and Post-Retirement Benefit Plans - Pre-Tax Net Actuarial Loss and Prior Service Benefit Recognized in Accumulated Other Comprehensive Loss for the Defined Benefit Plans (Details) - Defined Benefit Plans	Oct. 31, 2024
\$ in Millions	USD (\$)

[Defined Benefit Plan, Plan Assets, Allocation \[Line Items\]](#)

Defined Benefit Plan, Accumulated Other Comprehensive Income (Loss), Gain (Loss), before Tax	\$ 2,478
Prior service benefit	14
Total recognized in accumulated other comprehensive loss	\$ 2,492

[XML 85 R68.htm IDEA: XBRL DOCUMENT](#)

Retirement and Post-Retirement Benefit Plans - Direct Defined Benefit Plans with Projected Benefit Obligations Exceeding the Fair Value of Plan Assets (Details) - Defined Benefit Plans - USD (\$)	Oct. 31, 2024	Oct. 31, 2023
\$ in Millions		

[Defined Benefit Plan, Plan Assets, Allocation \[Line Items\]](#)

Aggregate fair value of plan assets	\$ 506	\$ 1,969
Aggregate projected benefit obligation	\$ 1,212	\$ 2,765

[XML 86 R69.htm IDEA: XBRL DOCUMENT](#)

Retirement and Post-Retirement Benefit Plans - Direct Defined Benefit Plans with Accumulated Benefit Obligations Exceeding the Fair Value of Plan Assets (Details) - Defined Benefit Plans - USD (\$)	Oct. 31, 2024	Oct. 31, 2023
\$ in Millions		

[Defined Benefit Plan, Plan Assets, Allocation \[Line Items\]](#)

Aggregate fair value of plan assets	\$ 2,274	\$ 1,969
Aggregate accumulated benefit obligation	\$ 3,076	\$ 2,675

[XML 87 R70.htm IDEA: XBRL DOCUMENT](#)

Retirement and Post-Retirement Benefit Plans - Fair Value of Non-U.S. Defined Benefit Plan Assets by Asset Category Within the Fair Value Hierarchy (Details) - USD (\$)	12 Months Ended		
\$ in Millions	Oct. 31, 2024	Oct. 31, 2023	Oct. 31, 2022
Recovery Rate Maximum Valuation Technique, Discounted Cash Flow			
Defined benefit plans			
Measurement inputs	100.00%		
Yield Minimum Valuation Technique, Discounted Cash Flow			
Defined benefit plans			
Measurement inputs	6.00%	6.00%	
Yield Maximum Valuation Technique, Discounted Cash Flow			
Defined benefit plans			
Measurement inputs	21.00%	22.00%	
Yield Weighted Average Valuation Technique, Discounted Cash Flow			
Defined benefit plans			
Measurement inputs	10.00%	10.00%	
Discount Rate Minimum Valuation Technique, Discounted Cash Flow			
Defined benefit plans			
Measurement inputs	3.00%	4.00%	
Discount Rate Maximum Valuation Technique, Discounted Cash Flow			
Defined benefit plans			
Measurement inputs	5.00%	5.00%	
Discount Rate Weighted Average Valuation Technique, Discounted Cash Flow			
Defined benefit plans			
Measurement inputs	4.00%	4.00%	
Internal rate of return Minimum Valuation Technique, Discounted Cash Flow			
Defined benefit plans			
Measurement inputs	1.00%	5.00%	
Internal rate of return Maximum Valuation Technique, Discounted Cash Flow			
Defined benefit plans			
Measurement inputs	38.00%	21.00%	
Internal rate of return Weighted Average Valuation Technique, Discounted Cash Flow			
Defined benefit plans			
Measurement inputs	9.00%	10.00%	
United Kingdom Discount Rate Minimum Valuation Technique, Discounted Cash Flow			
Defined benefit plans			
Measurement inputs	3.00%	3.00%	
United Kingdom Discount Rate Maximum Valuation Technique, Discounted Cash Flow			
Defined benefit plans			
Measurement inputs	38.00%	28.00%	
United Kingdom Discount Rate Weighted Average Valuation Technique, Discounted Cash Flow			
Defined benefit plans			
Measurement inputs	17.00%	14.00%	

United Kingdom EV/EBITDA Multiples Minimum			
Defined benefit plans			
Measurement inputs	650.00%		
United Kingdom EV/EBITDA Multiples Maximum			
Defined benefit plans			
Measurement inputs	3790.00%		
United Kingdom EV/EBITDA Multiples Minimum Weighted Average			
Defined benefit plans			
Measurement inputs	920.00%		
United Kingdom EV/EBITDA Multiples Maximum Weighted Average			
Defined benefit plans			
Measurement inputs	3630.00%		
United Kingdom Private Equity Discount Rate Minimum Valuation Technique, Discounted Cash Flow			
Defined benefit plans			
Measurement inputs	8.00%		
United Kingdom Private Equity Discount Rate Maximum Valuation Technique, Discounted Cash Flow			
Defined benefit plans			
Measurement inputs	13.00%		
United Kingdom Private Equity Discount Rate Weighted Average Valuation Technique, Discounted Cash Flow			
Defined benefit plans			
Measurement inputs	10.00%		
GERMANY Minimum Valuation Approach, Income Capitalization and Cost Approach			
Defined benefit plans			
Measurement inputs	4.00%	4.00%	
GERMANY Maximum Valuation Approach, Income Capitalization and Cost Approach			
Defined benefit plans			
Measurement inputs	7.00%	6.00%	
GERMANY Weighted Average Valuation Approach, Income Capitalization and Cost Approach			
Defined benefit plans			
Measurement inputs	5.00%	4.00%	
GERMANY Internal rate of return Minimum Valuation Approach, Income Capitalization and Cost Approach			
Defined benefit plans			
Measurement inputs	0.00%	5.00%	
GERMANY Internal rate of return Maximum Valuation Approach, Income Capitalization and Cost Approach			
Defined benefit plans			
Measurement inputs	4.00%	8.00%	
GERMANY Internal rate of return Weighted Average Valuation Approach, Income Capitalization and Cost Approach			
Defined benefit plans			
Measurement inputs	1.00%	7.00%	
Defined Benefit Plans			
Defined benefit plans			
Fair value of plan assets	\$ 11,007	\$ 9,879	\$ 9,915
Defined Benefit Plans Derivative			
Defined benefit plans			
Defined benefit plan, plan assets, equity exposure	396		
Defined Benefit Plans Non-U.S. Plans			
Defined benefit plans			
Fair value of plan assets	11,007	9,879	
Defined Benefit Plans Non-U.S. Plans U.S.			
Defined benefit plans			
Fair value of plan assets	714	555	
Defined Benefit Plans Non-U.S. Plans Non-U.S.			
Defined benefit plans			
Fair value of plan assets	315	322	
Defined Benefit Plans Non-U.S. Plans Corporate			
Defined benefit plans			
Fair value of plan assets	1,526	1,277	
Defined Benefit Plans Non-U.S. Plans Government debt securities			
Defined benefit plans			
Fair value of plan assets	[1] 4,768	3,883	
Defined Benefit Plans Non-U.S. Plans Other debt securities(1)			
Defined benefit plans			
Fair value of plan assets	[2] 1,210	1,460	
Defined Benefit Plans Non-U.S. Plans Private Equity			
Defined benefit plans			
Fair value of plan assets	282	46	
Defined Benefit Plans Non-U.S. Plans Hybrids			
Defined benefit plans			
Fair value of plan assets	[3] 562	535	
Defined Benefit Plans Non-U.S. Plans Hybrids At NAV			
Defined benefit plans			
Fair value of plan assets	[4] 307	358	
Defined Benefit Plans Non-U.S. Plans Equities at NAV			
Defined benefit plans			
Fair value of plan assets	[5] 1,053	988	
Defined Benefit Plans Non-U.S. Plans Fixed Income at NAV			
Defined benefit plans			
Fair value of plan assets	[5] 508	471	
Defined Benefit Plans Non-U.S. Plans Emerging Markets at NAV			
Defined benefit plans			
Fair value of plan assets	[5] 275	284	
Defined Benefit Plans Non-U.S. Plans Alternative investments at NAV			
Defined benefit plans			
Fair value of plan assets	[5] 1	1	
Defined Benefit Plans Non-U.S. Plans Real Estate Funds			
Defined benefit plans			
Fair value of plan assets	[6] 570	584	
Defined Benefit Plans Non-U.S. Plans Insurance Group Annuity Contracts			
Defined benefit plans			
Fair value of plan assets	114	108	
Defined Benefit Plans Non-U.S. Plans Cash and Cash Equivalents			
Defined benefit plans			
Fair value of plan assets	351	315	
Defined Benefit Plans Non-U.S. Plans Other			
Defined benefit plans			
Fair value of plan assets	[7] 163	40	
Defined Benefit Plans Non-U.S. Plans Obligation to return cash received from repurchase agreements			

Defined benefit plans				
Fair value of plan assets	(1)	(1,712)	(1,348)	
Defined Benefit Plans United Kingdom				
Defined benefit plans				
Repurchase investments		2,000	2,300	
Defined Benefit Plans Level 1 Non-U.S. Plans				
Defined benefit plans				
Fair value of plan assets		948	912	
Defined Benefit Plans Level 1 Non-U.S. Plans U.S.				
Defined benefit plans				
Fair value of plan assets		654	543	
Defined Benefit Plans Level 1 Non-U.S. Plans Non-U.S.				
Defined benefit plans				
Fair value of plan assets		125	110	
Defined Benefit Plans Level 1 Non-U.S. Plans Corporate				
Defined benefit plans				
Fair value of plan assets		0	0	
Defined Benefit Plans Level 1 Non-U.S. Plans Government debt securities				
Defined benefit plans				
Fair value of plan assets		0	0	
Defined Benefit Plans Level 1 Non-U.S. Plans Other debt securities(1)				
Defined benefit plans				
Fair value of plan assets		0	0	
Defined Benefit Plans Level 1 Non-U.S. Plans Private Equity				
Defined benefit plans				
Fair value of plan assets		0	0	
Defined Benefit Plans Level 1 Non-U.S. Plans Hybrids				
Defined benefit plans				
Fair value of plan assets		0	0	
Defined Benefit Plans Level 1 Non-U.S. Plans Real Estate Funds				
Defined benefit plans				
Fair value of plan assets		3	20	
Defined Benefit Plans Level 1 Non-U.S. Plans Insurance Group Annuity Contracts				
Defined benefit plans				
Fair value of plan assets		0	0	
Defined Benefit Plans Level 1 Non-U.S. Plans Cash and Cash Equivalents				
Defined benefit plans				
Fair value of plan assets		157	222	
Defined Benefit Plans Level 1 Non-U.S. Plans Other				
Defined benefit plans				
Fair value of plan assets		9	17	
Defined Benefit Plans Level 1 Non-U.S. Plans Obligation to return cash received from repurchase agreements				
Defined benefit plans				
Fair value of plan assets		0	0	
Defined Benefit Plans Level 2 Non-U.S. Plans				
Defined benefit plans				
Fair value of plan assets		6,412	5,591	
Defined Benefit Plans Level 2 Non-U.S. Plans U.S.				
Defined benefit plans				
Fair value of plan assets		60	12	
Defined Benefit Plans Level 2 Non-U.S. Plans Non-U.S.				
Defined benefit plans				
Fair value of plan assets		190	212	
Defined Benefit Plans Level 2 Non-U.S. Plans Corporate				
Defined benefit plans				
Fair value of plan assets		1,526	1,277	
Defined Benefit Plans Level 2 Non-U.S. Plans Government debt securities				
Defined benefit plans				
Fair value of plan assets		4,768	3,883	
Defined Benefit Plans Level 2 Non-U.S. Plans Other debt securities(1)				
Defined benefit plans				
Fair value of plan assets		465	661	
Defined Benefit Plans Level 2 Non-U.S. Plans Private Equity				
Defined benefit plans				
Fair value of plan assets		6	5	
Defined Benefit Plans Level 2 Non-U.S. Plans Hybrids				
Defined benefit plans				
Fair value of plan assets		365	358	
Defined Benefit Plans Level 2 Non-U.S. Plans Real Estate Funds				
Defined benefit plans				
Fair value of plan assets		303	327	
Defined Benefit Plans Level 2 Non-U.S. Plans Insurance Group Annuity Contracts				
Defined benefit plans				
Fair value of plan assets		93	88	
Defined Benefit Plans Level 2 Non-U.S. Plans Cash and Cash Equivalents				
Defined benefit plans				
Fair value of plan assets		194	93	
Defined Benefit Plans Level 2 Non-U.S. Plans Other				
Defined benefit plans				
Fair value of plan assets		154	23	
Defined Benefit Plans Level 2 Non-U.S. Plans Obligation to return cash received from repurchase agreements				
Defined benefit plans				
Fair value of plan assets		(1,712)	(1,348)	
Defined Benefit Plans Level 3 Non-U.S. Plans				
Defined benefit plans				
Fair value of plan assets		1,503	1,274	1,346
Defined Benefit Plans Level 3 Non-U.S. Plans U.S.				
Defined benefit plans				
Fair value of plan assets		0	0	
Defined Benefit Plans Level 3 Non-U.S. Plans Non-U.S.				
Defined benefit plans				
Fair value of plan assets		0	0	
Defined Benefit Plans Level 3 Non-U.S. Plans Corporate				
Defined benefit plans				
Fair value of plan assets		0	0	
Defined Benefit Plans Level 3 Non-U.S. Plans Government debt securities				
Defined benefit plans				

Fair value of plan assets	0	0	
Defined Benefit Plans Level 3 Non-U.S. Plans Other debt securities(1)			
Defined benefit plans			
Fair value of plan assets	745	799	932
Defined Benefit Plans Level 3 Non-U.S. Plans Private Equity			
Defined benefit plans			
Fair value of plan assets	276	41	46
Defined Benefit Plans Level 3 Non-U.S. Plans Hybrids			
Defined benefit plans			
Fair value of plan assets	197	177	182
Defined Benefit Plans Level 3 Non-U.S. Plans Real Estate Funds			
Defined benefit plans			
Fair value of plan assets	264	237	164
Defined Benefit Plans Level 3 Non-U.S. Plans Insurance Group Annuity Contracts			
Defined benefit plans			
Fair value of plan assets	21	20	21
Defined Benefit Plans Level 3 Non-U.S. Plans Cash and Cash Equivalents			
Defined benefit plans			
Fair value of plan assets	0	0	
Defined Benefit Plans Level 3 Non-U.S. Plans Other			
Defined benefit plans			
Fair value of plan assets	0	0	\$ 1
Defined Benefit Plans Level 3 Non-U.S. Plans Obligation to return cash received from repurchase agreements			
Defined benefit plans			
Fair value of plan assets	\$ 0	\$ 0	

- [1] Repurchase agreements, primarily in the UK, represent the plans’ short-term borrowing to hedge against interest rate and inflation risks. Investments in approximately \$2.0 billion and \$2.3 billion of government bonds collateralize this short-term borrowing at October 31, 2024 and 2023, respectively. The plans have an obligation to return the cash after the term of the agreements. Due to the short-term nature of the agreements, the outstanding balance of the obligation approximates fair value.
- [2] Includes funds that invest primarily in asset-backed securities, mortgage-backed securities, collateralized loan obligations, and/or private debt investments. Primary valuation techniques for level 3 investments include discounted cash flows and net quoted and/or party pricing services. Significant unobservable inputs include yields which are determined by considering the market yield of comparable public debt instruments adjusted for estimated losses to reflect where the expected recovery rate would be less than 100%, discount rates, and internal rate of return (IRR). The yields ranged from 6% to 21%, with the weighted average around 10%. In the prior year, the yields ranged from 6% to 22%, with the weighted average around 10%. The discount rates ranged from 3% to 5%, with the weighted average around 4%. In the prior year, the discount rates ranged from 4% to 5%, with the weighted average around 4%. The IRR ranged from 1% to 38%, with the main weighted average around 9%. In the prior year, the IRR ranged from 5% to 21%, with the main weighted average around 10%. Generally, an increase in yield and discounted rates may result in a decrease in the fair value of certain investments.
- [3] Includes funds, primarily in the UK, held in non-marketable, limited partnership interests which invest in a broad range of infrastructure and infrastructure-related assets. Primary valuation techniques for level 3 investments include the market, income or cost approach. Significant unobservable inputs include discount rate and EV/EBITDA multiples. Discount rates ranged from 8% to 13%, with the weighted average around 10%. The EV/EBITDA multiples ranged from 6.5x to 37.9x, with the weighted average ranging from 9.2x to 36.3x. Generally, an increase in discount rates may result in a decrease in the fair value of certain investments. The EV/EBITDA ratio generally indicates the number of times investors are willing to pay for a company’s EBITDA valuation.
- [3] Includes funds, primarily in the UK, that invest in both private and public equities, as well as emerging markets across all sectors. The funds also hold fixed income and derivative instruments to hedge interest rate and inflation risk. In addition, the funds include units in transferable securities, collective investment schemes, money market funds, asset-backed income, cash, and deposits. Primary valuation techniques for level 3 investments include discounted cash flows and book value or net asset value. Significant unobservable inputs include discount rates. The discount rates ranged from 3% to 38%, with the weighted average around 17%. In the prior year, the discount rates ranged from 3% to 28%, with the weighted average around 14%. Generally, an increase in discount rates may result in a decrease in the fair value of certain investments.
- [4] Includes a pooled fund in the UK, that seeks a rate of return with direct or indirect linkage to UK inflation by investing in vehicles including bonds, long lease property, income strips, asset-backed securities, and index linked assets. Units are available for subscription on the first business day of each calendar month at net asset value. There are no redemption restrictions or future commitments on these investments.
- [5] Common Contractual Funds are investment arrangements in which institutional investors pool their assets. Units may be acquired in four different sub-funds focused on equities, fixed income, alternative investments, and emerging markets. Each sub-fund is invested in accordance with the fund’s investment objective and units are issued in relation to each sub-fund. While the sub-funds are not publicly traded, the custodian strikes a net asset value either once or twice a month, depending on the sub-fund. There are no redemption restrictions or future commitments on these investments.
- [6] Includes funds, primarily in Germany, that invest in a diversified portfolio of European real estate assets exposed to logistics real estate properties, food retailing properties, residential and commercial properties, and properties under development. Primary valuation techniques for level 3 investments include the income capitalization approach and cost approach. Significant unobservable inputs include rental yield and IRR. The rental yield rates ranged from 4% to 7%, with the weighted average around 5%. In the prior year, the rental yield rates ranged from 4% to 6%, with the weighted average around 4%. The IRR ranged from 0% to 4%, with the main weighted average around 1%. In the prior year, the IRR ranged from 5% to 8%, with the main weighted average around 7%. Generally, an increase in rental yield rates may result in a decrease in the fair value of certain investments. A higher IRR generally signifies a greater fair value as it implies a greater potential rate of return over the life of an investment.
- [7] Includes life insurance investment policies, unsettled transactions, and derivative instruments. As of October 31, 2024, the derivative instruments include synthetic equity swaps held by the UK plans with equity exposure of \$396 million.

XML 88 R71.htm
IDEA: XBRL DOCUMENT

Retirement and Post-Retirement Benefit Plans - Changes in Fair Value Measurements of Level 3 Investments for the Non-U.S. Defined Benefit Plans (Details) - Defined Benefit Plans - USD (\$) \$ in Millions	12 Months Ended		
	Oct. 31, 2024		Oct. 31, 2023
Changes in fair value measurements of Level 3 investments			
Fair value - beginning of year	\$ 9,879		\$ 9,915
Actual return on plan assets:			
Fair value—end of year	11,007		9,879
Non-U.S. Plans			
Changes in fair value measurements of Level 3 investments			
Fair value - beginning of year	9,879		
Actual return on plan assets:			
Fair value—end of year	11,007		9,879
Non-U.S. Plans Debt-Other			
Changes in fair value measurements of Level 3 investments			
Fair value - beginning of year	[1] 1,460		
Actual return on plan assets:			
Fair value—end of year	[1] 1,210		1,460
Non-U.S. Plans Private Equity			
Changes in fair value measurements of Level 3 investments			
Fair value - beginning of year	46		
Actual return on plan assets:			
Fair value—end of year	282		46
Non-U.S. Plans Hybrids			
Changes in fair value measurements of Level 3 investments			
Fair value - beginning of year	[2] 535		
Actual return on plan assets:			
Fair value—end of year	[2] 562		535
Non-U.S. Plans Real Estate Funds			
Changes in fair value measurements of Level 3 investments			
Fair value - beginning of year	[3] 584		
Actual return on plan assets:			
Fair value—end of year	[3] 570		584
Non-U.S. Plans Insurance Group Annuities			
Changes in fair value measurements of Level 3 investments			
Fair value - beginning of year	108		
Actual return on plan assets:			
Fair value—end of year	114		108
Non-U.S. Plans Other			
Changes in fair value measurements of Level 3 investments			
Fair value - beginning of year	[4] 40		
Actual return on plan assets:			
Fair value—end of year	[4] 163		40
Non-U.S. Plans Level 3			
Changes in fair value measurements of Level 3 investments			

Fair value - beginning of year	1,274	1,346
Actual return on plan assets:		
Relating to assets held at the reporting date	17	59
Relating to assets sold during the period	3	3
Purchases, sales, and settlements	209	(134)
Fair value—end of year	1,503	1,274
Non-U.S. Plans Level 3 Debt-Other		
Changes in fair value measurements of Level 3 investments		
Fair value - beginning of year	799	932
Actual return on plan assets:		
Relating to assets held at the reporting date	27	72
Relating to assets sold during the period	0	0
Purchases, sales, and settlements	(81)	(205)
Fair value—end of year	745	799
Non-U.S. Plans Level 3 Private Equity		
Changes in fair value measurements of Level 3 investments		
Fair value - beginning of year	41	46
Actual return on plan assets:		
Relating to assets held at the reporting date	(3)	(8)
Relating to assets sold during the period	4	3
Purchases, sales, and settlements	234	0
Fair value—end of year	276	41
Non-U.S. Plans Level 3 Hybrids		
Changes in fair value measurements of Level 3 investments		
Fair value - beginning of year	177	182
Actual return on plan assets:		
Relating to assets held at the reporting date	6	2
Relating to assets sold during the period	0	0
Purchases, sales, and settlements	14	(7)
Fair value—end of year	197	177
Non-U.S. Plans Level 3 Real Estate Funds		
Changes in fair value measurements of Level 3 investments		
Fair value - beginning of year	237	164
Actual return on plan assets:		
Relating to assets held at the reporting date	(14)	(6)
Relating to assets sold during the period	(1)	0
Purchases, sales, and settlements	42	79
Fair value—end of year	264	237
Non-U.S. Plans Level 3 Insurance Group Annuities		
Changes in fair value measurements of Level 3 investments		
Fair value - beginning of year	20	21
Actual return on plan assets:		
Relating to assets held at the reporting date	1	(1)
Relating to assets sold during the period	0	0
Purchases, sales, and settlements	0	0
Fair value—end of year	21	20
Non-U.S. Plans Level 3 Other		
Changes in fair value measurements of Level 3 investments		
Fair value - beginning of year	0	1
Actual return on plan assets:		
Relating to assets held at the reporting date		0
Relating to assets sold during the period		0
Purchases, sales, and settlements		(1)
Fair value—end of year	\$ 0	\$ 0

- [1]

Includes funds that invest primarily in asset-backed securities, mortgage-backed securities, collateralized loan obligations, and/or private debt investments. Primary valuation techniques for level 3 investments include discounted cash flows and broker quotes and/or third-party pricing services. Significant unobservable inputs include yields which are determined by considering the market yield of comparable public debt instruments adjusted for estimated losses to reflect where the expected recovery rate would be less than 100%, discount rates, and internal rate of return (IRR). The yields ranged from 6% to 21%, with the weighted average around 10%. In the prior year, the yields ranged from 6% to 22%, with the weighted average around 10%. The discount rates ranged from 3% to 5%, with the weighted average around 4%. In the prior year, the discount rates ranged from 4% to 5%, with the weighted average around 4%. The IRR ranged from 1% to 38%, with the main weighted average around 9%. In the prior year, the IRR ranged from 5% to 21%, with the main weighted average around 10%. Generally, an increase in yield and discounted rates may result in a decrease in the fair value of certain investments.
- [3]

Includes funds, primarily in the UK, held in non-marketable, limited partnership interests which invest in a broad range of infrastructure and infrastructure-related assets. Primary valuation techniques for level 3 investments include the market, income or cost approach. Significant unobservable inputs include discount rate and EV/EBITDA multiples. Discount rates ranged from 8% to 13%, with the weighted average around 10%. The EV/EBITDA multiples ranged from 6.5x to 37.9x, with the weighted average ranging from 9.2x to 36.3x. Generally, an increase in discount rates may result in a decrease in the fair value of certain investments. The EV/EBITDA ratio generally indicates the number of times investors are willing to pay for a company's EBITDA valuation.
- [2]

Includes funds, primarily in the UK, that invest in both private and public equities, as well as emerging markets across all sectors. The funds also hold fixed income and derivative instruments to hedge interest rate and inflation risk. In addition, the funds include units in transferable securities, collective investment schemes, money market funds, asset-backed income, cash, and deposits. Primary valuation techniques for level 3 investments include discounted cash flows and book value or net asset value. Significant unobservable inputs include discount rates. The discount rates ranged from 3% to 38%, with the weighted average around 17%. In the prior year, the discount rates ranged from 3% to 28%, with the weighted average around 14%. Generally, an increase in discount rates may result in a decrease in the fair value of certain investments.
- [3]

Includes funds, primarily in Germany, that invest in a diversified portfolio of European real estate assets exposed to logistics real estate properties, food retailing properties, residential and commercial properties, and properties under development. Primary valuation techniques for level 3 investments include the income capitalization approach and cost approach. Significant unobservable inputs include rental yield and IRR. The rental yield rates ranged from 4% to 7%, with the weighted average around 5%. In the prior year, the rental yield rates ranged from 4% to 6%, with the weighted average around 4%. The IRR ranged from 0% to 4%, with the main weighted average around 1%. In the prior year, the IRR ranged from 5% to 8%, with the main weighted average around 7%. Generally, an increase in rental yield rates may result in a decrease in the fair value of certain investments. A higher IRR generally signifies a greater fair value as it implies a greater potential rate of return over the life of an investment.
- [4]

Includes life insurance investment policies, unsettled transactions, and derivative instruments. As of October 31, 2024, the derivative instruments include synthetic equity swaps held by the UK plans with equity exposure of \$396 million.

XML 89 R72.htm
IDEA: XBRL DOCUMENT

Retirement and Post-Retirement Benefit Plans - Weighted Average Target and Actual Asset Allocations Across Non-U.S. Defined Benefit Plans (Details) - Non-U.S. Plans - Defined Benefit Plans

Defined Benefit Plan, Plan Assets, Allocation [Line Items]

Target Allocation

Plan Assets

Public equity securities

Defined Benefit Plan, Plan Assets, Allocation [Line Items]

Plan Assets

Private/hybrid equity securities

Defined Benefit Plan, Plan Assets, Allocation [Line Items]

Plan Assets

Real Estate and other

Defined Benefit Plan, Plan Assets, Allocation [Line Items]

Plan Assets

Equity-related investments

Defined Benefit Plan, Plan Assets, Allocation [Line Items]

Target Allocation

Plan Assets

Debt securities

Defined Benefit Plan, Plan Assets, Allocation [Line Items]

Target Allocation

Plan Assets

Oct. 31, 2024

Oct. 31, 2023

100.00%

100.00%

100.00%

21.40%

21.80%

10.50%

9.50%

6.70%

[1]

6.30%

41.70%

38.60%

[1]

37.60%

57.30%

58.20%

59.20%

Cash and Cash Equivalents

Defined Benefit Plan, Plan Assets, Allocation [Line Items]

Target Allocation

1.00%

Plan Assets

3.20%

3.20%

[1] Included in Real estate and other investments are synthetic equity swaps with equity exposure of \$396 million, which is held in the UK plans as of October 31, 2024.

XML 90 R73.htm IDEA: XBRL DOCUMENT

Retirement and Post-
Retirement Benefit
Plans - Estimated
Future Benefits
Payments (Details)
\$ in Millions

Oct. 31, 2024
USD (\$)

Defined Benefit Plans

Defined Benefit Plan, Plan Assets, Allocation [Line Items]

2025	\$ 609
2026	554
2027	568
2028	592
2029	609
Next five fiscal years to October 31, 2034	3,114

Post-Retirement Benefit Plans

Defined Benefit Plan, Plan Assets, Allocation [Line Items]

2025	10
2026	11
2027	11
2028	12
2029	13
Next five fiscal years to October 31, 2034	\$ 72

XML 91 R74.htm IDEA: XBRL DOCUMENT

Stock-Based
Compensation -
Narrative (Details) -
shares

Apr. 14, 2021 Oct. 31, 2024 Apr. 10, 2024 Apr. 05, 2023 Apr. 05, 2022 Apr. 13, 2021

2021 Stock Incentive Plan

Share-based compensation

Vesting period	3 years	
Number of shares authorized and available for issuance (shares)	7,000,000	38,500,000

2015 Stock Incentive Plan

Share-based compensation

Number of shares authorized and available for issuance (shares)		35,800,000

2021 Stock Incentive Plan Amendment

Share-based compensation

Number of shares authorized and available for issuance (shares)	22,000,000	18,000,000	15,000,000

XML 92 R75.htm IDEA: XBRL DOCUMENT

Stock-Based
Compensation -
Schedule of Stock-
Based Compensation
Expense and
Resulting Tax
Benefits (Details) -
USD (\$)
\$ in Millions

12 Months Ended

Oct. 31, 2024 Oct. 31, 2023 Oct. 31, 2022

Share-Based Payment Arrangement [Abstract]

Stock-based compensation expense	\$ 430	\$ 428	\$ 391
Income tax benefit	(96)	(92)	(75)
Stock-based compensation expense, net of tax	\$ 334	\$ 336	\$ 316

XML 93 R76.htm IDEA: XBRL DOCUMENT

Stock-Based
Compensation -
Consolidated
Statement of
Earnings Location of
Stock-Based
Compensation
Expense (Details) -
USD (\$)
\$ in Millions

12 Months Ended

Oct. 31, 2024 Oct. 31, 2023 Oct. 31, 2022

Share-based Payment Arrangement, Expensed and Capitalized, Amount [Line Items]

Stock-based compensation expense	\$ 430	\$ 428	\$ 391

Continuing Operations

Share-based Payment Arrangement, Expensed and Capitalized, Amount [Line Items]

Stock-based compensation expense	430	428	391

Cost of sales | Continuing Operations

Share-based Payment Arrangement, Expensed and Capitalized, Amount [Line Items]

Stock-based compensation expense	49	47	46

Research and development | Continuing Operations

Share-based Payment Arrangement, Expensed and Capitalized, Amount [Line Items]

Stock-based compensation expense	158	161	143

Selling, general and administrative | Continuing Operations

Share-based Payment Arrangement, Expensed and Capitalized, Amount [Line Items]

Stock-based compensation expense	\$ 223	\$ 220	\$ 202

XML 94 R77.htm IDEA: XBRL DOCUMENT

Stock-Based
Compensation-
Employee Stock
Purchase Plan
(Details) - USD (\$)
\$ in Millions

Oct. 31, 2024 Oct. 31, 2023 Oct. 31, 2022 Nov. 01, 2015

Share-based compensation

Common stock, authorized (in shares)	9,600,000,000	9,600,000,000

Maximum contribution limit as percentage of base compensation (as a percent)

15.00%

Current offering period

24 months

Offering period

6 months

Share-Based Payment Arrangement, Expense, after Tax

\$ 334	\$ 336	\$ 316

Employee Stock Purchase Plan

Share-based compensation

Common stock, authorized (in shares)		80,000,000

Maximum contribution limit as percentage of base compensation (as a percent)

10.00%

Stock purchase price as a percentage of the fair market value on the purchase date

95.00%

Share-Based Payment Arrangement, Expense, after Tax

\$ 0

XML 95 R78.htm IDEA: XBRL DOCUMENT

Stock-Based Compensation - Summary of Restricted Stock Activity (Details) - Restricted Stock Awards - USD (\$) \$ / shares in Units, shares in Thousands, \$ in Millions	12 Months Ended		
	Oct. 31, 2024	Oct. 31, 2023	Oct. 31, 2022
<u>Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Nonvested, Number of Shares [Roll Forward]</u>			
<u>Outstanding at beginning of period (in shares)</u>	54,389		
<u>Granted and assumed through acquisition (in shares)</u>	29,930		
<u>Vested (in shares)</u>	(25,245)		
<u>Forfeited/canceled (in shares)</u>	(3,461)		
<u>Outstanding at end of period (in shares)</u>	55,613	54,389	
<u>Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Nonvested, Weighted Average Grant Date Fair Value [Abstract]</u>			
<u>Outstanding at beginning of period (in dollars per share)</u>	\$ 15		
<u>Granted and assumed through acquisition (in dollars per share)</u>	16		
<u>Vested (in dollars per share)</u>	15		
<u>Forfeited/canceled (in dollars per share)</u>	16		
<u>Outstanding at end of period (in dollars per share)</u>	\$ 16	\$ 15	
<u>Total grant date fair value of restricted stock vested</u>	\$ 348	\$ 319	\$ 262
<u>Unrecognized pre-tax stock-based compensation expense</u>	\$ 342		
<u>Remaining weighted-average vesting period over which pre-tax stock-based compensation expense is expected to be recognized</u>	1 year 3 months 18 days		

XML 96 R79.htm IDEA: XBRL DOCUMENT

Taxes on Earnings - Provision (Benefit) for Taxes (Details) - USD (\$) \$ in Millions	12 Months Ended		
	Oct. 31, 2024	Oct. 31, 2023	Oct. 31, 2022
<u>Domestic and foreign components of earnings (loss) before taxes</u>			
<u>U.S.</u>	\$ 765	\$ (1,105)	\$ (1,138)
<u>Non-U.S.</u>	2,188	3,335	2,014
<u>Earnings before provision for taxes</u>	2,953	2,230	876
<u>U.S. federal taxes:</u>			
<u>Current</u>	8	0	12
<u>Deferred</u>	(120)	(88)	(98)
<u>Non-U.S. taxes:</u>			
<u>Current</u>	415	256	288
<u>Deferred</u>	44	23	(143)
<u>State taxes:</u>			
<u>Current</u>	15	16	(43)
<u>Deferred State and Local Income Tax Expense (Benefit)</u>	12	(2)	(8)
<u>Provision for (benefit from) taxes on earnings</u>	\$ 374	\$ 205	\$ 8

XML 97 R80.htm IDEA: XBRL DOCUMENT

Taxes on Earnings - Summary of Differences Between the U.S. Federal Statutory Income Tax Rate and Effective Tax Rate (Details) Differences between the U.S. federal statutory income tax rate and HP's effective tax rate	12 Months Ended		
	Oct. 31, 2024	Oct. 31, 2023	Oct. 31, 2022
<u>U.S. federal statutory income tax rate</u>	21.00%	21.00%	21.00%
<u>State income taxes, net of federal tax benefit</u>	0.40%	0.90%	2.80%
<u>Lower rates in other jurisdictions, net</u>	(1.30%)	(4.40%)	(0.90%)
<u>Valuation allowance</u>	(1.30%)	(2.80%)	(31.50%)
<u>U.S. permanent differences</u>	(4.00%)	(1.50%)	6.00%
<u>U.S. R&D credit</u>	(1.80%)	(2.10%)	(5.10%)
<u>Uncertain tax positions</u>	(0.30%)	(2.00%)	(15.60%)
<u>Goodwill impairment</u>	0.00%	0.00%	21.50%
<u>Other, net</u>	0.00%	0.10%	2.70%
<u>Effective tax rate (as a percent)</u>	12.70%	9.20%	0.90%

XML 98 R81.htm IDEA: XBRL DOCUMENT

Taxes on Earnings - Narrative (Details) - USD (\$) \$ / shares in Units, \$ in Millions	12 Months Ended		
	Oct. 31, 2024	Oct. 31, 2023	Oct. 31, 2022
<u>Income Tax Examination [Line Items]</u>			
<u>Net income tax charges (benefits)</u>	\$ 43	\$ (131)	\$ (454)
<u>Disposition of asset</u>	104		
<u>Tax charges, foreign and domestic</u>	215		
<u>Effective income tax rate reconciliation, tax settlement, domestic, amount</u>	111		43
<u>Income tax benefits on restructuring charges, separation costs, transformation costs and acquisition and other related charges</u>	54	104	99
<u>Excess tax benefits related to stock-based compensation</u>	11	19	
<u>Income tax benefits, foreign tax audit matters</u>			42
<u>Pre-Separation tax matters</u>			30
<u>Effective income tax rate reconciliation, utilization of capital losses, amount</u>			27
<u>Effective income tax rate reconciliation, GILTI, amount</u>			12
<u>Effective income tax rate reconciliation, tax settlement, foreign, amount</u>			11
<u>Income tax benefits, reduced rates for subsidiaries in certain countries</u>	\$ 356	\$ 857	\$ 832
<u>Income tax benefits, reduced rates for subsidiaries in certain countries (in dollars per share)</u>	\$ 0.27	\$ 0.65	\$ 0.63
<u>Significant Change in Unrecognized Tax Benefits is Reasonably Possible, Amount of Unrecorded Benefit</u>	\$ 6		
<u>Undistributed earnings from non-U.S. operations</u>	\$ 9,300		
<u>Likelihood of conclusion period for certain federal, foreign and state tax issues</u>	12 months		
<u>Foreign</u>			
<u>Income Tax Examination [Line Items]</u>			
<u>Change in enacted tax rate, expense (benefit)</u>			\$ (150)
<u>Federal</u>			
<u>Income Tax Examination [Line Items]</u>			
<u>Income Tax Examination, Increase (Decrease) in Liability from Prior Year</u>	\$ 122		
<u>Likelihood of conclusion period for certain federal, foreign and state tax issues</u>	12 months		
<u>Decrease in Unrecognized Tax Benefits is Reasonably Possible</u>	\$ 358		

XML 99 R82.htm IDEA: XBRL DOCUMENT

Taxes on Earnings - Uncertain Tax Positions (Details)	3 Months Ended	12 Months Ended	
	Jan. 31, 2022 USD (\$)	Oct. 31, 2024 USD (\$)	Oct. 31, 2023 Oct. 31, 2022

\$ in Millions		country	USD (\$)	USD (\$)
Reconciliation of unrecognized tax benefits				
Unrecognized Tax Benefits, Beginning Balance	\$ 2,131	\$ 672	\$ 674	\$ 2,131
Increases:				
For current year's tax positions		60	67	81
For prior years' tax positions		116	20	41
Decreases:				
For prior years' tax positions		(113)	(2)	(48)
Statute of limitations expiration		(4)	(4)	(12)
Settlements with taxing authorities	\$ (1,500)	(7)	(83)	(1,491)
Settlements related to joint and several positions indemnified by HP Inc.		0	0	(28)
Unrecognized Tax Benefits, Ending Balance		724	672	674
Unrecognized tax benefits that would affect effective tax rate if realized		344	354	386
Income tax expense (interest) and penalties from uncertain tax positions		2	25	\$ 55
Accrued income tax for interest and penalties		\$ 58	\$ 56	
Number of other countries in which HPE is subject to income taxes country		80		
Likelihood of conclusion period for certain federal, foreign and state tax issues		12 months		
Undistributed earnings from non-U.S. operations		\$ 9,300		

XML 100 R83.htm
IDEA: XBRL DOCUMENT

Taxes on Earnings - Components of		
Deferred Tax Assets and Deferred Tax Liabilities (Details) -	Oct. 31, 2024	Oct. 31, 2023
USD (\$)		
\$ in Millions		

Deferred tax assets:		
Loss and credit carryforwards(1)	\$ 5,692	\$ 5,936
Inventory valuation	78	90
Intercompany prepayments	192	325
Warranty	45	49
Employee and retiree benefits	162	184
Restructuring	27	52
Deferred revenue	799	658
Intangible assets	251	107
Capitalized R&D	81	44
Lease liabilities	253	209
Other	262	196
Total deferred tax assets	7,842	7,850
Valuation allowance(1)	(5,204)	(5,428)
Total deferred tax assets net of valuation allowance	2,638	2,422
Deferred tax liabilities:		
Unremitted earnings of foreign subsidiaries	(229)	(190)
ROU assets	(236)	(192)
Fixed assets	(150)	(102)
Total deferred tax liabilities	(615)	(484)
Deferred tax assets net of deferred tax liabilities	\$ 2,023	\$ 1,938

XML 101 R84.htm
IDEA: XBRL DOCUMENT

Taxes on Earnings - Deferred Tax Assets and Liabilities included in Condensed Consolidated Balance Sheets (Details) -		
USD (\$)	Oct. 31, 2024	Oct. 31, 2023
\$ in Millions		

Significant components of deferred tax assets and deferred tax liabilities		
Deferred tax assets	\$ 2,396	\$ 2,264
Deferred tax liabilities	(373)	(326)
Deferred tax assets net of deferred tax liabilities	2,023	1,938
Operating loss carryforwards		
Adjustment to reduce deferred tax asset	27	52
Valuation allowance on deferred tax assets	5,204	\$ 5,428
State		
Operating loss carryforwards		
Operating loss carryforwards	2,900	
Capital loss carryforwards	81	
State Operating loss carryforwards		
Operating loss carryforwards		
Valuation allowance on deferred tax assets	145	
State Capital loss carryforwards		
Operating loss carryforwards		
Valuation allowance on deferred tax assets	5	
Foreign		
Operating loss carryforwards		
Operating loss carryforwards	20,100	
Capital loss carryforwards	91	
Foreign Operating loss carryforwards		
Operating loss carryforwards		
Valuation allowance on deferred tax assets	3,800	
Foreign Capital loss carryforwards		
Operating loss carryforwards		
Valuation allowance on deferred tax assets	27	
Federal		
Operating loss carryforwards		
Operating loss carryforwards	269	
Capital loss carryforwards	\$ 20	

XML 102 R85.htm
IDEA: XBRL DOCUMENT

Taxes on Earnings - Schedule of Tax Credit Carryforwards and Allowances (Details)		12 Months Ended
USD (\$)	Oct. 31, 2024	
\$ in Millions		

Carryforward	
U.S. foreign tax credits	\$ 648
U.S. research and development and other credits	230
Tax credits in state and foreign jurisdictions	197
Balance at end of year	1,075

Valuation Allowance	
U.S. foreign tax credits	(648)
U.S. research and development and other credits	0
Tax credits in state and foreign jurisdictions	(177)
Balance at end of year	(825)
Decrease in valuation allowances	\$ (224)

XML 103 R86.htm IDEA: XBRL DOCUMENT

Balance Sheet Details				
- Schedule of Cash and Cash Equivalents (Details) - USD (\$)	Oct. 31, 2024	Oct. 31, 2023	Oct. 31, 2022	Oct. 31, 2021
\$ in Millions				

Organization, Consolidation and Presentation of Financial Statements [Abstract]

Cash and cash equivalents	\$ 14,846	\$ 4,270		
Restricted cash	259	311		
Total	\$ 15,105	\$ 4,581	\$ 4,763	\$ 4,332

XML 104 R87.htm IDEA: XBRL DOCUMENT

Balance Sheet Details				
- Accounts Receivable, Net (Details) - USD (\$)	Oct. 31, 2024	Oct. 31, 2023	Oct. 31, 2022	Oct. 31, 2021
\$ in Millions				

Organization, Consolidation and Presentation of Financial Statements [Abstract]

Accounts receivable	\$ 3,236	\$ 3,254		
Unbilled receivable	324	264		
Allowances	(10)	(37)	\$ (25)	\$ (23)
Total	\$ 3,550	\$ 3,481		

XML 105 R88.htm IDEA: XBRL DOCUMENT

Balance Sheet Details				
- Allowance for Doubtful Accounts (Details) - USD (\$)	Oct. 31, 2024	Oct. 31, 2023	Oct. 31, 2022	
\$ in Millions				

Accounts Receivable, Allowance for Credit Loss

Balance at beginning of year	\$ 37	\$ 25	\$ 23	
Provision for credit losses	41	29	25	
Adjustments to existing allowances, including write offs	(68)	(17)	(23)	
Balance at end of year	\$ 10	\$ 37	\$ 25	

XML 106 R89.htm IDEA: XBRL DOCUMENT

Balance Sheet Details				
- Revolving Short-Term Financing Receivable (Details) - USD (\$)	Oct. 31, 2024	Oct. 31, 2023	Oct. 31, 2022	
\$ in Millions				

Receivables Sold but Not Collected from Third Party Roll Forward

Balance at beginning of period	[1] \$ 83	\$ 163	\$ 336	
Trade receivables sold	3,098	4,097	4,130	
Cash receipts	(3,190)	(4,185)	(4,292)	
Foreign currency and other	9	8	(11)	
Balance at end of period	[1] \$ 0	\$ 83	\$ 163	

[1] Beginning and ending balances represent amounts for trade receivables sold but not yet collected.

XML 107 R90.htm IDEA: XBRL DOCUMENT

Balance Sheet Details				
- Inventory (Details) - USD (\$)	Oct. 31, 2024	Oct. 31, 2023		
\$ in Millions				

Organization, Consolidation and Presentation of Financial Statements [Abstract]

Purchased parts and fabricated assemblies	\$ 5,441	\$ 2,940		
Finished goods	2,369	1,667		
Total	\$ 7,810	\$ 4,607		

XML 108 R91.htm IDEA: XBRL DOCUMENT

Balance Sheet Details				
- Property, Plant and Equipment (Details) - USD (\$)	Oct. 31, 2024	Oct. 31, 2022	Oct. 31, 2023	
\$ in Millions				

Property, Plant and Equipment, Net

Gross property, plant and equipment	\$ 12,154		\$ 11,969	
Accumulated depreciation	(6,490)		(5,980)	
Property, plant and equipment, net	[1] 5,664		5,989	
Internal use software	593		606	
Depreciation expense	2,300	\$ 2,200		
Land				

Property, Plant and Equipment, Net

Gross property, plant and equipment	66		66	
Buildings and leasehold improvements				
Property, Plant and Equipment, Net				
Gross property, plant and equipment	1,696		1,521	
Machinery and equipment, including equipment held for lease				
Property, Plant and Equipment, Net				
Gross property, plant and equipment	\$ 10,392		\$ 10,382	

[1] This balance includes \$593 million and \$606 million of internal use software, net as of October 31, 2024 and 2023, respectively.

XML 109 R92.htm IDEA: XBRL DOCUMENT

Balance Sheet Details				
- Long-Term Financing Receivables and Other Assets (Details) - USD (\$)	Oct. 31, 2024	Oct. 31, 2023		
\$ in Millions				

Organization, Consolidation and Presentation of Financial Statements [Abstract]

Financing receivables, net	\$ 5,583	\$ 5,028		
Deferred tax assets	2,396	2,264		
Prepaid pension	1,555	1,313		
ROU Assets	1,408	980		
Other	1,674	1,792		
Total	\$ 12,616	\$ 11,377		

XML 110 R93.htm IDEA: XBRL DOCUMENT

Balance Sheet Details				
- Other Accrued Liabilities (Details) -	Oct. 31, 2024	Oct. 31, 2023		

USD (\$)		
\$ in Millions		
Organization, Consolidation and Presentation of Financial Statements [Abstract]		
Sales and marketing programs	\$ 1,032	\$ 1,070
Value-added and property taxes	922	786
Contract manufacturer liabilities	505	71
Customer deposits	289	392
Operating lease liabilities	261	194
Warranty	150	167
Collateral payable	90	207
Other	1,281	1,274
Total	\$ 4,530	\$ 4,161

XML 111 R94.htm IDEA: XBRL DOCUMENT

Balance Sheet Details		
- Other Non-Current		
Liabilities (Details) -	Oct. 31, 2024	Oct. 31, 2023
USD (\$)		
\$ in Millions		

Organization, Consolidation and Presentation of Financial Statements [Abstract]		
Deferred revenue	\$ 3,578	\$ 3,281
Operating lease liabilities	1,309	966
Pension, post-retirement, and post-employment	859	841
Deferred tax liabilities	373	326
Taxes on earnings	163	233
Other	623	899
Total	6,905	6,546
Deferred revenue	\$ 3,904	\$ 3,658

XML 112 R95.htm IDEA: XBRL DOCUMENT

Balance Sheet Details	12 Months Ended		
- Changes in			
Aggregate Product			
Warranty Liabilities	Oct. 31, 2024	Oct. 31, 2023	Oct. 31, 2022
(Details) - USD (\$)			
\$ in Millions			

Changes in aggregated product warranty liabilities			
Balance at beginning of balance	\$ 318	\$ 360	\$ 327
Charges	173	184	238
Adjustments related to pre-existing warranties	(5)	(18)	(2)
Settlements made	(185)	(208)	(203)
Balance at end of year	\$ 301	\$ 318	\$ 360

XML 113 R96.htm IDEA: XBRL DOCUMENT

Balance Sheet Details		
- Contracts Liabilities		
(Details) - USD (\$)	Oct. 31, 2024	Oct. 31, 2023
\$ in Millions		

Organization, Consolidation and Presentation of Financial Statements [Abstract]		
Customer deposits	\$ 289	\$ 392
Customer deposits - non-current	7	144
Total customer deposits	296	536
Deferred revenue	3,904	3,658
Deferred revenue - non-current	3,578	3,281
Total deferred revenue	\$ 7,482	\$ 6,939

XML 114 R97.htm IDEA: XBRL DOCUMENT

Balance Sheet Details	12 Months Ended		
- Narrative (Details) -			
USD (\$)	Oct. 31, 2024	Oct. 31, 2023	Oct. 31, 2022
\$ in Millions			

Accounts, Notes, Loans and Financing Receivable [Line Items]			
Deferred revenue	\$ 3,904	\$ 3,658	
Internal use software	593	606	
Depreciation expense	\$ 2,300		\$ 2,200
Supplier Finance Program, Obligation, Statement of Financial Position [Extensible Enumeration]	Accounts payable		
Supplier finance program, obligation	\$ 466	295	
Unearned revenue recognized	3,500		
Unsatisfied performance obligations	7,500		
Customer deposits	289	392	
Current portion of capitalized costs	88	86	
Noncurrent portion of capitalized costs	136	138	
Amortization of capitalized costs to obtain a contract	\$ 106	94	83

Revenue, Remaining Performance Obligation, Expected Timing of Satisfaction, Start Date [Axis]: 2024-11-01

Accounts, Notes, Loans and Financing Receivable [Line Items]			
Unsatisfied performance obligation expected to be recognized over the year	50.00%		
Notes payable and short-term borrowings			
Accounts, Notes, Loans and Financing Receivable [Line Items]			
Deferred revenue	\$ 62	\$ 80	\$ 88

XML 115 R98.htm IDEA: XBRL DOCUMENT

Balance Sheet Details		
- Remaining		
Performance		
Obligation (Details) -		
Revenue, Remaining		
Performance	Oct. 31, 2024	
Obligation, Expected		
Timing of		
Satisfaction, Start		
Date [Axis]: 2024-11-01		

Revenue, Remaining Performance Obligation, Expected Timing of Satisfaction [Line Items]

Unsatisfied performance obligation expected to be recognized over the year	50.00%
Expected timing of satisfaction	12 months

XML 116 R99.htm IDEA: XBRL DOCUMENT

Accounting for Leases	12 Months Ended		
as a Lessee -			
Operating Lease Cost			
(Details) - USD (\$)	Oct. 31, 2024	Oct. 31, 2023	Oct. 31, 2022
\$ in Millions			

Leases [Abstract]			
Operating lease cost	\$ 259	\$ 200	\$ 197
Finance lease cost	3	4	5
Sublease rental income	(26)	(23)	(27)
Total lease cost	\$ 236	\$ 181	\$ 175

XML 117 R100.htm IDEA: XBRL DOCUMENT

Accounting for Leases

as a Lessee - Leases Included in the Consolidated Balance Sheets (Details) - USD (\$) \$ in Millions		Oct. 31, 2024	Oct. 31, 2023
Operating Leases			
ROU Assets		\$ 1,408	\$ 980
Operating lease liabilities - current		261	194
Operating lease liabilities - non-current		1,309	966
Total operating lease liabilities		1,570	1,160
Finance Leases			
Gross finance lease ROU assets		26	26
Less: Accumulated depreciation		(16)	(14)
Net finance lease ROU assets		10	12
Finance lease liabilities - current		6	5
Finance lease liabilities - non-current		32	38
Total finance lease liabilities		38	43
Total ROU assets		1,418	992
Total lease liabilities		\$ 1,608	\$ 1,203
Operating Lease, Right-of-Use Asset, Statement of Financial Position [Extensible List]	Accounts payable		Accounts payable
Operating Lease, Liability, Current, Statement of Financial Position [Extensible List]	Other accrued liabilities		Other accrued liabilities
Operating Lease, Liability, Noncurrent, Statement of Financial Position [Extensible List]	Other non-current liabilities		Other non-current liabilities
Finance Lease, Right-of-Use Asset, Statement of Financial Position [Extensible List]	Property, plant and equipment, net		Property, plant and equipment, net
Finance Lease, Liability, Current, Statement of Financial Position [Extensible List]	Notes payable and short-term borrowings		Notes payable and short-term borrowings
Finance Lease, Liability, Noncurrent, Statement of Financial Position [Extensible List]	Long-term debt		Long-term debt

XML 118 R101.htm IDEA: XBRL DOCUMENT

Accounting for Leases as a Lessee - Additional Lease Information (Details) - USD (\$) \$ in Millions		12 Months Ended		
		Oct. 31, 2024	Oct. 31, 2023	Oct. 31, 2022

Operating Leases				
Weighted-average remaining lease term (in years)		6 years 8 months 12 days	7 years 2 months 12 days	
Weighted-average discount rate		4.40%	3.80%	
Finance Leases				
Weighted-average remaining lease term (in years)		5 years 6 months	6 years 6 months	
Weighted-average discount rate		3.50%	3.50%	
Cash Flow Statement Activity				
Cash outflows from operating leases		\$ 274	\$ 219	\$ 214
ROU assets obtained in exchange for new operating lease liabilities		\$ 627	\$ 251	\$ 195

XML 119 R102.htm IDEA: XBRL DOCUMENT

Accounting for Leases as a Lessee - Future Minimum Lease Commitments (Details) - USD (\$) \$ in Millions		Oct. 31, 2024 Oct. 31, 2023	

Operating Leases		
2025	\$ 321	
2026	296	
2027	281	
2028	249	
2029	201	
Thereafter	468	
Total future lease payments	1,816	
Less: imputed interest	(246)	
Total operating lease liabilities	1,570	\$ 1,160

Finance Leases		
2025	7	
2026	7	
2027	7	
2028	8	
2029	8	
Thereafter	4	
Total future lease payments	41	
Less: imputed interest	(3)	
Total finance lease liabilities	\$ 38	\$ 43

XML 120 R103.htm IDEA: XBRL DOCUMENT

Accounting for Leases as a Lessor - Narrative (Details) - USD (\$) \$ in Millions		12 Months Ended	
		Oct. 31, 2024	Oct. 31, 2023

Lessor, Lease, Description [Line Items]			
Financing receivable term, low end of range	2 years		
Financing receivable term, high end of range	5 years		
Sold	\$ 93	\$ 237	

Long-term financing receivables and other assets

Lessor, Lease, Description [Line Items]			
Amount transferred via securitization	1,200	800	
Leased Equipment			
Lessor, Lease, Description [Line Items]			
Amount transferred via securitization	\$ 600	\$ 700	

XML 121 R104.htm IDEA: XBRL DOCUMENT

Accounting for Leases as a Lessor - Components of Financing Receivables (Details) - USD (\$) \$ in Millions		Oct. 31, 2024 Oct. 31, 2023 Oct. 31, 2022 Oct. 31, 2021			

Leases [Abstract]					
Minimum lease payments receivable	\$ 10,266	\$ 9,363			
Unguaranteed residual value	599	438			
Unearned income	(1,218)	(987)			
Financing receivables, gross	9,647	8,814			
Allowance for credit losses	(194)	(243)	\$ (325)	\$ (228)	
Financing receivables, net	9,453	8,571			
Less: current portion	(3,870)	(3,543)			
Amounts due after one year, net	\$ 5,583	\$ 5,028			

Accounting for Leases		
as a Lessor - Finance		
Lease Receivable		
Maturity (Details) -	Oct. 31, 2024	Oct. 31, 2023
USD (\$)		
\$ in Millions		
Leases [Abstract]		
2025	\$ 4,282	
2026	2,977	
2027	1,747	
2028	892	
2029	277	
Thereafter	91	
Total undiscounted cash flows	10,266	\$ 9,363
Present value of lease payments (recognized as finance receivables)	9,048	
Lease receivable, undiscounted excess amount	\$ 1,218	

Accounting for Leases		
as a Lessor - Credit		
Risk Profile of		
Financing		
Receivables (Details)	Oct. 31, 2024	Oct. 31, 2023
- USD (\$)		
\$ in Millions		
Financing Receivable, Allowance for Credit Loss [Line Items]		
Financing receivables, gross	\$ 9,647	\$ 8,814
Low		
Financing Receivable, Allowance for Credit Loss [Line Items]		
Current fiscal year	2,630	2,100
Year one	1,804	1,681
Year two	1,128	868
Year three	440	336
Year four and prior	158	155
Financing receivables, gross	6,160	5,140
Moderate		
Financing Receivable, Allowance for Credit Loss [Line Items]		
Current fiscal year	1,120	1,196
Year one	948	1,052
Year two	665	645
Year three	317	285
Year four and prior	193	223
Financing receivables, gross	3,243	3,401
High		
Financing Receivable, Allowance for Credit Loss [Line Items]		
Current fiscal year	19	31
Year one	54	51
Year two	46	57
Year three	52	35
Year four and prior	73	99
Financing receivables, gross	\$ 244	\$ 273

		12 Months Ended		
Accounting for Leases as a Lessor - Allowance for Doubtful Accounts for Financing Receivables (Details) - USD (\$) \$ in Millions		Oct. 31, 2024	Oct. 31, 2023	Oct. 31, 2022
Allowance for doubtful accounts				
Financing receivable, allowance for credit loss, beginning balance	\$ 243	\$ 325		\$ 228
Provision for credit losses	50	58	[1]	177
Adjustment to the existing allowance	(4)	0		(10)
Write-offs	(95)	(140)		(70)
Financing receivable, allowance for credit loss, ending balance	\$ 194	243		\$ 325
Russia and Belarus				
Allowance for doubtful accounts				
Provision for credit losses		\$ 99		

[1] Fiscal 2022 included a provision of \$99 million related to expected credit losses due to the Company's exit from its Russia and Belarus businesses.

Accounting for Leases		
as a Lessor -		
Summary of Aging		
and Non-accrual		
Status of Gross		
Financing		
Receivables (Details)	Oct. 31, 2024	Oct. 31, 2023
- USD (\$)		
\$ in Millions		
Financing Receivable, Past Due [Line Items]		
Total gross financing receivables	\$ 9,647	\$ 8,814
Gross financing receivables on non-accrual status	[1] 214	227
Gross financing receivables 90 days past due and still accruing interest	[1] 82	81
Billed Revenues Current 1-30 days		
Financing Receivable, Past Due [Line Items]		
Total gross financing receivables	[2] 334	320
Billed Revenues Past due 31-60 days		
Financing Receivable, Past Due [Line Items]		
Total gross financing receivables	[2] 29	30
Billed Revenues Past due 61-90 days		
Financing Receivable, Past Due [Line Items]		
Total gross financing receivables	[2] 12	13
Billed Revenues Past due > 90 days		
Financing Receivable, Past Due [Line Items]		
Total gross financing receivables	[2] 79	100
Unbilled Revenues		
Financing Receivable, Past Due [Line Items]		
Total gross financing receivables	\$ 9,193	\$ 8,351

[1] Includes billed operating lease receivables and billed and unbilled sales-type and direct-financing lease receivables.

[2] Includes billed operating lease receivables and billed sales-type and direct-financing lease receivables.

XML 126 R109.htm IDEA: XBRL DOCUMENT

Accounting for Leases
as a Lessor -
Operating Lease
Assets Included in
Machinery and
Equipment (Details) -
USD (\$)
\$ in Millions

Leases [Abstract]		
Equipment leased to customers	\$ 6,669	\$ 7,019
Accumulated depreciation	(3,037)	(2,919)
Total	\$ 3,632	\$ 4,100

XML 127 R110.htm IDEA: XBRL DOCUMENT

Accounting for Leases
as a Lessor -
Operating Lease
Payments Maturity
(Details)
USD (\$)
\$ in Millions

Leases [Abstract]	
2025	\$ 1,696
2026	962
2027	339
2028	36
2029	3
Thereafter	1
Total	\$ 3,037

XML 128 R111.htm IDEA: XBRL DOCUMENT

Accounting for Leases
as a Lessor - Lessor
Activity Included in
Income Statement
(Details) - USD (\$)
\$ in Millions

12 Months Ended

Oct. 31, 2024 Oct. 31, 2023 Oct. 31, 2022

Leases [Abstract]			
Interest income from sales-type leases and direct financing leases	\$ 668	\$ 547	\$ 483
Lease income from operating leases	2,344	2,407	2,296
Total lease income	\$ 3,012	\$ 2,954	\$ 2,779
Operating Lease, Lease Income, Statement of Income or Comprehensive Income [Extensible Enumeration]	Revenues	Revenues	Revenues

XML 129 R112.htm IDEA: XBRL DOCUMENT

Accounting for Leases
as a Lessor - Assets
and Liabilities of VIE
(Details) - Variable
Interest Entity,
Primary Beneficiary -
USD (\$)
\$ in Millions

Oct. 31, 2024 Oct. 31, 2023

Variable Interest Entity [Line Items]		
Other current assets	\$ 189	\$ 145
Financing receivables		
Short-term	872	764
Long-term	1,079	983
Property, plant and equipment, net	1,033	1,214
Liabilities held by VIE:		
Notes payable and short-term borrowings, net of unamortized debt issuance costs	1,433	1,392
Long-term debt, net of unamortized debt issuance costs	\$ 965	\$ 1,082

XML 130 R113.htm IDEA: XBRL DOCUMENT

Acquisitions and Dispositions - Narrative (Details) \$ / shares in Units, \$ in Millions	12 Months Ended										
	Dec. 01, 2024 USD (\$)	Sep. 10, 2024	Aug. 30, 2024 USD (\$)	Jan. 09, 2024 USD (\$) \$ / shares	May 02, 2023 USD (\$)	Mar. 15, 2023 USD (\$)	Oct. 31, 2024 USD (\$) businessAcquired	Sep. 04, 2024	May 24, 2024	Apr. 02, 2024	Oct. 31, 2023 USD (\$)
Acquisitions:											
Number of acquisitions businessAcquired							5				
Goodwill	[1]						\$ 18,086				\$ 17,988

Disposal Group, Disposed of by Sale, Not Discontinued Operations |
CTG Business | Subsequent Event

Acquisitions:	
Proceeds from divestiture of businesses	\$ 210
Gain on disposition of business	\$ 230
Convertible Preferred Stock	

Acquisitions:
Preferred stock dividend rate (as a percentage)
H3C | Amended And Restated Put Share Purchase Agreement

Acquisitions:			
Equity Method Investment, Put Share Purchase Agreement, Issued Capital, Percentage		0.30	0.30
Morpheus Data			0.30

Acquisitions:	
Purchase price consideration	\$ 147
Weighted-average useful life	4 years
Goodwill	\$ 98
Amortizable intangible assets	\$ 68
Juniper Networks, Inc	

Acquisitions:
Purchase price consideration
Share price (in USD per share) | \$ / shares
OpsRamp

Acquisitions:	
Purchase price consideration	\$ 307
Weighted-average useful life	5 years
Goodwill	\$ 217
Amortizable intangible assets	\$ 84
Axis Security	

Acquisitions:
Purchase price consideration
Weighted-average useful life
Goodwill
Amortizable intangible assets

\$ 412
5 years
\$ 311
\$ 71

[1] Goodwill is net of accumulated impairment losses of \$1.9 billion. Of this amount, \$1.7 billion relates to the HPC & AI reporting unit of which \$815 million was recorded during the fourth quarter of fiscal 2022. The Hybrid Cloud reporting unit has an accumulated impairment loss of \$90 million related to the former Software reporting unit which was also recorded during the fourth quarter of fiscal 2022.

[XML 131 R114.htm IDEA: XBRL DOCUMENT](#)

Acquisitions and Dispositions - Aggregate Purchase Price Allocation (Details) - USD (\$) \$ in Millions	Aug. 30, 2024	Jan. 09, 2024	Oct. 31, 2024	Oct. 31, 2023

[Business Acquisition, Contingent Consideration \[Line Items\]](#)

Goodwill	[1]		\$ 18,086	\$ 17,988

[Morpheus Data](#)

[Business Acquisition, Contingent Consideration \[Line Items\]](#)

Goodwill	\$ 98			
Amortizable intangible assets	68			
Net liabilities assumed	(19)			
Total fair value consideration	147			
Purchase price consideration	\$ 147			

[Juniper Networks, Inc](#)

[Business Acquisition, Contingent Consideration \[Line Items\]](#)

Purchase price consideration		\$ 14,000		

[Acquisitions in 2023](#)

[Business Acquisition, Contingent Consideration \[Line Items\]](#)

Goodwill			585	
Net tangible assets assumed			46	
Total fair value consideration			\$ 840	

[1] Goodwill is net of accumulated impairment losses of \$1.9 billion. Of this amount, \$1.7 billion relates to the HPC & AI reporting unit of which \$815 million was recorded during the fourth quarter of fiscal 2022. The Hybrid Cloud reporting unit has an accumulated impairment loss of \$90 million related to the former Software reporting unit which was also recorded during the fourth quarter of fiscal 2022.

[XML 132 R115.htm IDEA: XBRL DOCUMENT](#)

Goodwill and Intangible Assets - Carrying Value of Goodwill by Reportable Segment (Details) - USD (\$) \$ in Millions	3 Months Ended		12 Months Ended		
	Oct. 31, 2023		Oct. 31, 2024	Oct. 31, 2023	Oct. 31, 2022

Goodwill					
Balance at beginning of period	[1]		\$ 17,988		
Goodwill from acquisitions			98		
Goodwill adjustments			0		
Balance at end of period	[1]	\$ 17,988	18,086	\$ 17,988	
Accumulated impairment loss			1,900		
Goodwill, Impairment Loss			0	0	
Hybrid Cloud					\$ (905)

Goodwill					
Balance at beginning of period			4,716		
Goodwill from acquisitions			98		
Goodwill adjustments			(1)		
Balance at end of period		4,716	4,813	4,716	
Intelligent Edge					

Goodwill					
Balance at beginning of period			2,908		
Goodwill from acquisitions			0		
Goodwill adjustments			1		
Balance at end of period		2,908	2,909	2,908	
Financial Services					

Goodwill					
Balance at beginning of period			144		
Goodwill from acquisitions			0		
Goodwill adjustments			0		
Balance at end of period		144	144	144	
Corporate Investments and Other					

Goodwill					
Balance at beginning of period	[1]		0		
Goodwill from acquisitions			0		
Goodwill adjustments			0		
Balance at end of period	[1]	0	0	0	
Goodwill, Impairment Loss		(90)			

Hybrid Cloud					
Goodwill					
Accumulated impairment loss			1,700		
Goodwill, Impairment Loss		(815)			
Server					

Goodwill					
Balance at beginning of period			10,220		
Goodwill from acquisitions			0		
Goodwill adjustments			0		
Balance at end of period		\$ 10,220	\$ 10,220	\$ 10,220	

[1] Goodwill is net of accumulated impairment losses of \$1.9 billion. Of this amount, \$1.7 billion relates to the HPC & AI reporting unit of which \$815 million was recorded during the fourth quarter of fiscal 2022. The Hybrid Cloud reporting unit has an accumulated impairment loss of \$90 million related to the former Software reporting unit which was also recorded during the fourth quarter of fiscal 2022.

[XML 133 R116.htm IDEA: XBRL DOCUMENT](#)

Goodwill and Intangible Assets - Narrative (Details) \$ in Millions	3 Months Ended		12 Months Ended			
	Oct. 31, 2023 USD (\$)	Oct. 31, 2024 USD (\$) reportingUnit	Oct. 31, 2023 USD (\$)	Oct. 31, 2022 USD (\$)	Sep. 30, 2024	Aug. 01, 2024
Goodwill						
Goodwill	[1] \$ 17,988	\$ 18,086	\$ 17,988			
Impairment of goodwill		0	0	\$ 905		
Finite-lived intangible assets, period decrease		(761)				
Finite-lived intangible assets acquired		68				
Amortizable intangible assets, net		460				
Acquisitions in 2023						
Goodwill						
Goodwill		585				
Minimum						
Goodwill						
Percentage of fair value in excess of carrying amount						8.00%
Maximum						
Goodwill						
Percentage of fair value in excess of carrying amount						198.00%

Developed and core technology and patents

Goodwill			
Amortizable intangible assets, net	451	304	451
Intangible Assets Acquisitions in 2023			
Goodwill			
Amortizable intangible assets		209	
Capitalized software development costs			
Goodwill			
Amortizable intangible assets, net	0	56	0
Capitalized computer software, additions		56	
Software development costs in process, not currently amortizable		\$ 50	
Server			
Goodwill			
Number of reporting units reportingUnit		2	
Goodwill	10,220	\$ 10,220	10,220
Server Compute			
Goodwill			
Goodwill		8,200	
Percentage of fair value in excess of carrying amount			6.00%
Hybrid Cloud			
Goodwill			
Impairment of goodwill	815		
Hybrid Cloud Hybrid Cloud Reporting Unit			
Goodwill			
Goodwill		4,800	
Percentage of fair value in excess of carrying amount			5.00%
Corporate Investments and Other			
Goodwill			
Goodwill	[1] 0	\$ 0	\$ 0
Impairment of goodwill	\$ 90		

[1] Goodwill is net of accumulated impairment losses of \$1.9 billion. Of this amount, \$1.7 billion relates to the HPC & AI reporting unit of which \$815 million was recorded during the fourth quarter of fiscal 2022. The Hybrid Cloud reporting unit has an accumulated impairment loss of \$90 million related to the former Software reporting unit which was also recorded during the fourth quarter of fiscal 2022.

XML 134 R117.htm IDEA: XBRL DOCUMENT

Goodwill and Intangible Assets - Intangible Assets (Details) - USD (\$)	Oct. 31, 2024	Oct. 31, 2023
\$ in Millions		

Intangible assets		
Intangible assets, gross (excluding goodwill)	\$ 1,028	\$ 1,665
Amortizable intangible assets, accumulated amortization	(518)	(1,011)
Total(1)	460	
Intangible assets, net	510	654
Customer contracts, customer lists and distribution agreements		
Intangible assets		
Amortizable intangible assets, gross	219	357
Amortizable intangible assets, accumulated amortization	(70)	(177)
Total(1)	\$ 149	180
Finite-Lived Intangible Assets, Remaining Amortization Period	5 years	
Developed and core technology and patents		
Intangible assets		
Amortizable intangible assets, gross	\$ 747	1,162
Amortizable intangible assets, accumulated amortization	(443)	(711)
Total(1)	\$ 304	451
Finite-Lived Intangible Assets, Remaining Amortization Period	3 years	
Trade name and trademarks		
Intangible assets		
Amortizable intangible assets, gross	\$ 6	146
Amortizable intangible assets, accumulated amortization	(5)	(123)
Total(1)	\$ 1	23
Finite-Lived Intangible Assets, Remaining Amortization Period	1 year	
Capitalized software development costs		
Intangible assets		
Amortizable intangible assets, gross	\$ 56	0
Amortizable intangible assets, accumulated amortization	0	0
Total(1)	\$ 56	\$ 0
Finite-Lived Intangible Assets, Remaining Amortization Period	3 years	

XML 135 R118.htm IDEA: XBRL DOCUMENT

Goodwill and Intangible Assets - Estimated Future Amortization Expense of Intangible Assets (Details)	Oct. 31, 2024	
\$ in Millions	USD (\$)	

Goodwill and Intangible Assets Disclosure [Abstract]	
2025	\$ 152
2026	128
2027	95
2028	50
2029	30
Thereafter	5
Total(1)	\$ 460

XML 136 R119.htm IDEA: XBRL DOCUMENT

Fair Value - Schedule of Assets and Liabilities on a Recurring Basis (Details) - Fair Value, Measurements, Recurring - USD (\$)	Oct. 31, 2024	Oct. 31, 2023
\$ in Millions		

Assets		
Assets, Fair Value Disclosure	\$ 13,744	\$ 3,295
Liabilities		
Liabilities, Fair Value Disclosure	163	305
Time deposits		
Assets		
Assets, Fair Value Disclosure	601	905
Money market funds		
Assets		

Assets, Fair Value Disclosure	12,639	1,672
Equity investments		
Assets		
Assets, Fair Value Disclosure	88	135
Foreign bonds		
Assets		
Assets, Fair Value Disclosure	103	97
Other debt securities(1)		
Assets		
Assets, Fair Value Disclosure	(1) 14	22
Interest rate contracts		
Liabilities		
Liabilities, Fair Value Disclosure	58	151
Foreign exchange contracts		
Assets		
Assets, Fair Value Disclosure	299	464
Liabilities		
Liabilities, Fair Value Disclosure	103	152
Other derivatives		
Liabilities		
Liabilities, Fair Value Disclosure	2	2
Level 1		
Assets		
Assets, Fair Value Disclosure	12,639	1,673
Liabilities		
Liabilities, Fair Value Disclosure	0	0
Level 1 Time deposits		
Assets		
Assets, Fair Value Disclosure	0	0
Level 1 Money market funds		
Assets		
Assets, Fair Value Disclosure	12,639	1,672
Level 1 Equity investments		
Assets		
Assets, Fair Value Disclosure	0	0
Level 1 Foreign bonds		
Assets		
Assets, Fair Value Disclosure	0	1
Level 1 Other debt securities(1)		
Assets		
Assets, Fair Value Disclosure	0	0
Level 1 Interest rate contracts		
Liabilities		
Liabilities, Fair Value Disclosure	0	0
Level 1 Foreign exchange contracts		
Assets		
Assets, Fair Value Disclosure	0	0
Liabilities		
Liabilities, Fair Value Disclosure	0	0
Level 1 Other derivatives		
Liabilities		
Liabilities, Fair Value Disclosure	0	0
Level 2		
Assets		
Assets, Fair Value Disclosure	1,002	1,464
Liabilities		
Liabilities, Fair Value Disclosure	163	305
Level 2 Time deposits		
Assets		
Assets, Fair Value Disclosure	601	905
Level 2 Money market funds		
Assets		
Assets, Fair Value Disclosure	0	0
Level 2 Equity investments		
Assets		
Assets, Fair Value Disclosure	0	0
Level 2 Foreign bonds		
Assets		
Assets, Fair Value Disclosure	102	95
Level 2 Other debt securities(1)		
Assets		
Assets, Fair Value Disclosure	0	0
Level 2 Interest rate contracts		
Liabilities		
Liabilities, Fair Value Disclosure	58	151
Level 2 Foreign exchange contracts		
Assets		
Assets, Fair Value Disclosure	299	464
Liabilities		
Liabilities, Fair Value Disclosure	103	152
Level 2 Other derivatives		
Liabilities		
Liabilities, Fair Value Disclosure	2	2
Level 3		
Assets		
Assets, Fair Value Disclosure	103	158
Liabilities		
Liabilities, Fair Value Disclosure	0	0
Level 3 Time deposits		
Assets		
Assets, Fair Value Disclosure	0	0
Level 3 Money market funds		
Assets		
Assets, Fair Value Disclosure	0	0
Level 3 Equity investments		
Assets		
Assets, Fair Value Disclosure	88	135

[Level 3 | Foreign bonds](#)

Assets

[Assets, Fair Value Disclosure](#)11

[Level 3 | Other debt securities\(1\)](#)

Assets

[Assets, Fair Value Disclosure](#)1422

[Level 3 | Interest rate contracts](#)

Liabilities

[Liabilities, Fair Value Disclosure](#)00

[Level 3 | Foreign exchange contracts](#)

Assets

[Assets, Fair Value Disclosure](#)00

Liabilities

[Liabilities, Fair Value Disclosure](#)00

[Level 3 | Other derivatives](#)

Liabilities

[Liabilities, Fair Value Disclosure](#)\$ 0\$ 0

[1] Available-for-sale debt securities with carrying values that approximate fair value.

[XML 137 R120.htm IDEA: XBRL DOCUMENT](#)

**Fair Value - Narrative
(Details) - USD (\$)
\$ in Millions**

[Financial assets and liabilities measured at fair value on a recurring basis](#)

[Fair value, short- and long-term debt](#)

[Carrying value, short- and long-term debt](#)

[Investment, Type \[Extensible Enumeration\]](#)

[Impairment of goodwill](#)

[Alternative Investment, Measurement Alternative](#)

[Financial assets and liabilities measured at fair value on a recurring basis](#)

[Unrealized gains \(losses\) on equity securities](#)

[Equity securities without readily determinable fair value, impairment loss, amount](#)

[Equity securities without readily determinable fair value, upward price adjustment, cumulative amount](#)

[Equity securities without readily determinable fair value, downward price adjustment, cumulative amount](#)

[HPC & AI & Software & Corporate Investments](#)

[Financial assets and liabilities measured at fair value on a recurring basis](#)

[Impairment of goodwill](#)

[Level 3](#)

[Financial assets and liabilities measured at fair value on a recurring basis](#)

[Impairment of assets under operating lease](#)

[XML 138 R121.htm IDEA: XBRL DOCUMENT](#)

Financial Instruments

- Cash Equivalents

and Available-for-Sale

Investments (Details)

- USD (\$)

\$ in Millions

[Cost](#)

[Cash and Cash Equivalents \[Line Items\]](#)

[Cash Equivalents, at Carrying Value](#)\$ 13,240\$ 2,577

[Cost | Time deposits](#)

[Cash and Cash Equivalents \[Line Items\]](#)

[Cash Equivalents, at Carrying Value](#)601905

[Cost | Money market funds](#)

[Cash and Cash Equivalents \[Line Items\]](#)

[Cash Equivalents, at Carrying Value](#)12,6391,672

[Fair Value](#)

[Cash and Cash Equivalents \[Line Items\]](#)

[Cash Equivalents, at Carrying Value](#)13,2402,577

[Fair Value | Time deposits](#)

[Cash and Cash Equivalents \[Line Items\]](#)

[Cash Equivalents, at Carrying Value](#)601905

[Fair Value | Money market funds](#)

[Cash and Cash Equivalents \[Line Items\]](#)

[Cash Equivalents, at Carrying Value](#)12,6391,672

[Debt securities, amortized cost](#)109119

[Gross Unrealized Gains/\(Losses\)](#)80

[Debt Securities, Available-for-Sale, Total](#)117119

[Total cash equivalents and available-for sale investments, cost basis](#)13,3492,696

[Cash Equivalents and Available For Sale Securities, Fair Value](#)13,3572,696

[Foreign bonds](#)

[Cash and Cash Equivalents \[Line Items\]](#)

[Debt securities, amortized cost](#)101100

[Gross Unrealized Gains/\(Losses\)](#)2(3)

[Debt Securities, Available-for-Sale, Total](#)10397

[Other debt securities\(1\)](#)

[Cash and Cash Equivalents \[Line Items\]](#)

[Debt securities, amortized cost](#)819

[Gross Unrealized Gains/\(Losses\)](#)63

[Debt Securities, Available-for-Sale, Total](#)\$ 14\$ 22

[XML 139 R122.htm IDEA: XBRL DOCUMENT](#)

Financial Instruments

- Narrative (Details)

\$ in Millions

[Investments, All Other Investments \[Abstract\]](#)

[Interest income](#)

[Summary of Investment Holdings \[Line Items\]](#)

[Interest income](#)

[Investment, Type \[Extensible Enumeration\]](#)

[Proceeds from maturities and sales of investments](#)

[General collateral posting period | businessDay](#)

[Collateralized arrangements in net liability position](#)

[Derivative notional amount](#)

3 Months Ended		12 Months Ended		
Oct. 31, 2023	Oct. 31, 2024		Oct. 31, 2023	Oct. 31, 2022
\$ 12,200	\$ 18,300		\$ 12,200	
12,400	\$ 18,200		12,400	
	Equity Securities In Privately Held Companies			
	\$ 0		0	\$ 905
	(34)		(45)	17
			50	24
	82			
	\$ 88			
\$ 905				
			\$ 18	\$ 5

12 Months Ended					
	Oct. 31, 2024 USD (\$) businessDay		Oct. 31, 2023 USD (\$) businessDay	Oct. 31, 2022 USD (\$)	Sep. 01, 2024 USD (\$)
\$ 197			\$ 127	\$ 39	
\$ 197			127	39	
Equity Securities In Privately Held Companies					
\$ 2,149			\$ 9	262	
2			2		
\$ 23			\$ 108		
17,970			19,605		

Loss on interest rate lock	(16)	(116)	978
Expected amount of AOCI to be reclassified in the next 12 months	20		
Derivatives Designated as Hedging Instruments			
Summary of Investment Holdings [Line Items]			
Derivative notional amount	12,295	12,719	
Juniper Networks, Inc Cash Flow Hedges: Derivatives Designated as Hedging Instruments			
Summary of Investment Holdings [Line Items]			
Derivative notional amount			\$ 2,600
Loss on interest rate lock	42		
Alternative Investment, Measurement Alternative			
Summary of Investment Holdings [Line Items]			
Investment amount	200	145	
Unrealized gains (losses) on equity securities	34	45	(17)
Equity securities without readily determinable fair value, impairment loss, amount		50	24
Alternative Investment, Fair Value Measurement			
Summary of Investment Holdings [Line Items]			
Investment amount	88	135	
Unrealized gains (losses) on equity securities	\$ (47)	\$ 9	86
Proceeds from maturities and sales of investments			\$ 165
Cash Flow Hedges:			
Summary of Investment Holdings [Line Items]			
Maturity period of foreign currency cash flow hedges	12 months		
Cash Flow Hedges: Maximum			
Summary of Investment Holdings [Line Items]			
Duration of lease term for which lease-related forward contracts and intercompany lease loan forward contracts can be extended	5 years		
XML 140 R123.htm IDEA: XBRL DOCUMENT			
Financial Instruments			
- Contractual			
Maturities of			
Investments in			
Available-for-Sale	Oct. 31, 2024	Oct. 31, 2023	
Debt Securities			
(Details) - USD (\$)			
\$ in Millions			
Amortized Cost			
Due in more than five years	\$ 109		
Debt securities, amortized cost	109	\$ 119	
Fair Value			
Due in more than five years	117		
Debt Securities, Available-for-Sale, Total	\$ 117	\$ 119	
XML 141 R124.htm IDEA: XBRL DOCUMENT			
Financial Instruments			
- Gross Notional and			
Fair Value of			
Instruments in the			Oct. 31,
Balance Sheets			2024
(Details) - USD (\$)			Oct. 31,
\$ in Millions			2023
Derivatives, Fair Value			
Derivative notional amount		\$ 17,970	\$ 19,605
Other Current Assets			
Derivatives, Fair Value			
Derivative asset, fair value		191	311
Long-Term Financing Receivables and Other Assets			
Derivatives, Fair Value			
Derivative asset, fair value		108	153
Other Accrued Liabilities			
Derivatives, Fair Value			
Derivative liability, fair value		121	92
Long-Term Other Liabilities			
Derivatives, Fair Value			
Derivative liability, fair value		42	213
Derivatives Designated as Hedging Instruments			
Derivatives, Fair Value			
Derivative notional amount		12,295	12,719
Derivatives Designated as Hedging Instruments Other Current Assets			
Derivatives, Fair Value			
Derivative asset, fair value		145	291
Derivatives Designated as Hedging Instruments Long-Term Financing Receivables and Other Assets			
Derivatives, Fair Value			
Derivative asset, fair value		103	150
Derivatives Designated as Hedging Instruments Other Accrued Liabilities			
Derivatives, Fair Value			
Derivative liability, fair value		101	67
Derivatives Designated as Hedging Instruments Long-Term Other Liabilities			
Derivatives, Fair Value			
Derivative liability, fair value		38	197
Derivatives Designated as Hedging Instruments Fair Value Hedges: Interest rate contracts			
Derivatives, Fair Value			
Derivative notional amount		2,500	2,500
Derivatives Designated as Hedging Instruments Fair Value Hedges: Interest rate contracts Other Current Assets			
Derivatives, Fair Value			
Derivative asset, fair value		0	0
Derivatives Designated as Hedging Instruments Fair Value Hedges: Interest rate contracts Long-Term Financing Receivables and Other Assets			
Derivatives, Fair Value			
Derivative asset, fair value		0	0
Derivatives Designated as Hedging Instruments Fair Value Hedges: Interest rate contracts Other Accrued Liabilities			
Derivatives, Fair Value			
Derivative liability, fair value		58	0
Derivatives Designated as Hedging Instruments Fair Value Hedges: Interest rate contracts Long-Term Other Liabilities			
Derivatives, Fair Value			
Derivative liability, fair value		0	151
Derivatives Designated as Hedging Instruments Cash Flow Hedges: Foreign exchange contracts			
Derivatives, Fair Value			
Derivative notional amount		7,809	8,247
Derivatives Designated as Hedging Instruments Cash Flow Hedges: Foreign exchange contracts Other Current Assets			
Derivatives, Fair Value			
Derivative asset, fair value		107	252
Derivatives Designated as Hedging Instruments Cash Flow Hedges: Foreign exchange contracts Long-Term Financing Receivables and Other Assets			

Derivatives, Fair Value		
Derivative asset, fair value	59	104
Derivatives Designated as Hedging Instruments Cash Flow Hedges: Foreign exchange contracts Other Accrued Liabilities		
Derivatives, Fair Value		
Derivative liability, fair value	31	33
Derivatives Designated as Hedging Instruments Cash Flow Hedges: Foreign exchange contracts Long-Term Other Liabilities		
Derivatives, Fair Value		
Derivative liability, fair value	25	23
Derivatives Designated as Hedging Instruments Net Investment Hedging [Member] Foreign exchange contracts		
Derivatives, Fair Value		
Derivative notional amount	1,986	1,972
Derivatives Designated as Hedging Instruments Net Investment Hedging [Member] Foreign exchange contracts Other Current Assets		
Derivatives, Fair Value		
Derivative asset, fair value	38	39
Derivatives Designated as Hedging Instruments Net Investment Hedging [Member] Foreign exchange contracts Long-Term Financing Receivables and Other Assets		
Derivatives, Fair Value		
Derivative asset, fair value	44	46
Derivatives Designated as Hedging Instruments Net Investment Hedging [Member] Foreign exchange contracts Other Accrued Liabilities		
Derivatives, Fair Value		
Derivative liability, fair value	12	34
Derivatives Designated as Hedging Instruments Net Investment Hedging [Member] Foreign exchange contracts Long-Term Other Liabilities		
Derivatives, Fair Value		
Derivative liability, fair value	13	23
Derivatives Not Designated as Hedging Instruments		
Derivatives, Fair Value		
Derivative notional amount	5,675	6,886
Derivatives Not Designated as Hedging Instruments Other Current Assets		
Derivatives, Fair Value		
Derivative asset, fair value	46	20
Derivatives Not Designated as Hedging Instruments Long-Term Financing Receivables and Other Assets		
Derivatives, Fair Value		
Derivative asset, fair value	5	3
Derivatives Not Designated as Hedging Instruments Other Accrued Liabilities		
Derivatives, Fair Value		
Derivative liability, fair value	20	25
Derivatives Not Designated as Hedging Instruments Long-Term Other Liabilities		
Derivatives, Fair Value		
Derivative liability, fair value	4	16
Derivatives Not Designated as Hedging Instruments Foreign exchange contracts		
Derivatives, Fair Value		
Derivative notional amount	5,528	6,786
Derivatives Not Designated as Hedging Instruments Foreign exchange contracts Other Current Assets		
Derivatives, Fair Value		
Derivative asset, fair value	46	20
Derivatives Not Designated as Hedging Instruments Foreign exchange contracts Long-Term Financing Receivables and Other Assets		
Derivatives, Fair Value		
Derivative asset, fair value	5	3
Derivatives Not Designated as Hedging Instruments Foreign exchange contracts Other Accrued Liabilities		
Derivatives, Fair Value		
Derivative liability, fair value	18	23
Derivatives Not Designated as Hedging Instruments Foreign exchange contracts Long-Term Other Liabilities		
Derivatives, Fair Value		
Derivative liability, fair value	4	16
Derivatives Not Designated as Hedging Instruments Other derivatives		
Derivatives, Fair Value		
Derivative notional amount	147	100
Derivatives Not Designated as Hedging Instruments Other derivatives Other Current Assets		
Derivatives, Fair Value		
Derivative asset, fair value	0	0
Derivatives Not Designated as Hedging Instruments Other derivatives Long-Term Financing Receivables and Other Assets		
Derivatives, Fair Value		
Derivative asset, fair value	0	0
Derivatives Not Designated as Hedging Instruments Other derivatives Other Accrued Liabilities		
Derivatives, Fair Value		
Derivative liability, fair value	2	2
Derivatives Not Designated as Hedging Instruments Other derivatives Long-Term Other Liabilities		
Derivatives, Fair Value		
Derivative liability, fair value	\$ 0	\$ 0
<i>XML 142 R125.htm IDEA: XBRL DOCUMENT</i>		
Financial Instruments		
- Offsetting Assets and Liabilities (Details)	Oct. 31, 2024 USD (\$) businessDay	Oct. 31, 2023 USD (\$) businessDay
\$ in Millions		
Derivative assets		
Gross Amount Recognized	\$ 299	\$ 464
Gross Amount Offset	0	0
Net Amount Presented	299	464
Derivative Fair Value of Derivative Asset Gross Amounts not Offset [Abstract]		
Derivative Asset, Subject to Master Netting Arrangement, Liability Offset	138	196
Derivative Asset, Subject to Master Netting Arrangement, Collateral, Obligation to Return Cash Not Offset	(1) 90	207
Derivative Asset, Including Not Subject to Master Netting Arrangement, after Offset and Deduction, Total	71	61
Derivative liabilities		
Gross Amount Recognized	163	305
Gross Amount Offset	0	0
Net Amount Presented	163	305
Derivative Fair Value of Derivative Liabilities Gross Amounts not Offset [Abstract]		
Derivative Liability, Subject to Master Netting Arrangement, Asset Offset	138	196
Derivative Liability, Subject to Master Netting Arrangement, Collateral, Right to Reclaim Cash Not Offset	(2) \$ 27	103
Derivative Liability, Including Not Subject to Master Netting Arrangement, after Offset and Deduction		\$ 6
Business days prior to respective reporting date businessDay	2	2
Cash collateral posted		\$ 56
Counterparty collateral	\$ 27	\$ 47
Derivative Liability, Statement of Financial Position [Extensible Enumeration]	Other non-current liabilities	Other non-current liabilities
Derivative Asset, Statement of Financial Position [Extensible Enumeration]	Other current assets	Other current

- [1] Represents the cash collateral posted by counterparties as of the respective reporting date for the Company's asset position, net of derivative amounts that could be offset, as of, generally, two business days prior to the respective reporting date.
- [2] Represents the collateral posted by the Company in cash or through the re-use of counterparty cash collateral as of the respective reporting date for the Company's liability position, net of derivative amounts that could be offset, as of, generally, two business days prior to the respective reporting date. As of October 31, 2024, \$27 million of collateral posted was entirely through the re-use of counterparty collateral. As of October 31, 2023, of the \$103 million of collateral posted, \$56 million was in cash and \$47 million was through the re-use of counterparty collateral.

XML 143 R126.htm IDEA: XBRL DOCUMENT

Financial Instruments
- Amounts Recorded
in the Balance Sheets
(Details) - USD (\$)
\$ in Millions

Oct. 31, 2024Oct. 31, 2023

Notes payable and short-term borrowings

Derivatives, Fair Value

Carrying Amount of the Hedged Assets/ (Liabilities)

\$ (2,440)\$ 0

Cumulative Amount of Fair Value Hedging Adjustment Included in the Carrying Amount of the Hedged Assets/ (Liabilities) 580

Long-term debt

Derivatives, Fair Value

Carrying Amount of the Hedged Assets/ (Liabilities)

0(2,345)

Cumulative Amount of Fair Value Hedging Adjustment Included in the Carrying Amount of the Hedged Assets/ (Liabilities) \$ 0\$ (151)

XML 144 R127.htm IDEA: XBRL DOCUMENT

Financial Instruments
- Pre-tax Effect of
Derivative
Instruments in
Hedging
Relationships on OCI
(Details) - USD (\$)
\$ in Millions

12 Months Ended

Oct. 31, 2024Oct. 31, 2023Oct. 31, 2022

Derivative Instruments, Gain (Loss)

Net unrealized (losses) gains arising during the period

\$ (115)\$ (177)\$ 1,025

Total

(90)(253)1,124

Foreign exchange contracts

Derivative Instruments, Gain (Loss)

Net unrealized (losses) gains arising during the period

(73)(177)1,025

Gains (Losses) Recognized in OCI on Derivatives in Net Investment Hedging Relationship 25(76)99

Interest rate contracts

Derivative Instruments, Gain (Loss)

Net unrealized (losses) gains arising during the period

\$ (42)\$ 0\$ 0

XML 145 R128.htm IDEA: XBRL DOCUMENT

Financial Instruments
- Pre-tax Effect of
Derivative
Instruments on
Statement of
Earnings (Details) -
USD (\$)
\$ in Millions

12 Months Ended

Oct. 31, 2024Oct. 31, 2023Oct. 31, 2022

Derivative Instruments, Gain (Loss)

Net revenue

\$ 30,127\$ 29,135\$ 28,496

Interest and other, net

(117)(104)(121)

Revenues [Member]

Derivative Instruments, Gain (Loss)

Derivative, Gain (Loss) on Derivative, Net, Total

\$ 59\$ 28\$ 388

Derivative, Gain (Loss), Statement of Income or Comprehensive Income [Extensible Enumeration]

Nonoperating Income (Expense) [Member]

Net revenueNet revenueNet revenue

Derivative Instruments, Gain (Loss)

Derivative, Gain (Loss) on Derivative, Net, Total

\$ (37)\$ (249)\$ 874

Derivative, Gain (Loss), Statement of Income or Comprehensive Income [Extensible Enumeration]

Interest rate contracts | Revenues [Member]

Interest and other, netInterest and other, netInterest and other, net

Derivative Instruments, Gain (Loss)

Gain (Loss) on Fair Value Hedges Recognized in Earnings

\$ 0\$ 0\$ 0

Interest rate contracts | Revenues [Member] | Derivatives Designated as Hedging Instruments

Derivative Instruments, Gain (Loss)

Gain (Loss) on Fair Value Hedges Recognized in Earnings

000

Interest rate contracts | Nonoperating Income (Expense) [Member]

Derivative Instruments, Gain (Loss)

Gain (Loss) on Fair Value Hedges Recognized in Earnings

(93)(27)273

Interest rate contracts | Nonoperating Income (Expense) [Member] | Derivatives Designated as Hedging Instruments

Derivative Instruments, Gain (Loss)

Gain (Loss) on Fair Value Hedges Recognized in Earnings

9327(273)

Foreign exchange contracts | Revenues [Member]

Derivative Instruments, Gain (Loss)

Other Comprehensive Income (Loss), Cash Flow Hedge, Gain (Loss), Reclassification, before Tax

5928388

Derivative Instruments Not Designated as Hedging Instruments, Gain (Loss), Net

000

Foreign exchange contracts | Nonoperating Income (Expense) [Member]

Derivative Instruments, Gain (Loss)

Other Comprehensive Income (Loss), Cash Flow Hedge, Gain (Loss), Reclassification, before Tax

(75)(144)590

Derivative Instruments Not Designated as Hedging Instruments, Gain (Loss), Net

38(97)287

Other derivatives | Revenues [Member]

Derivative Instruments, Gain (Loss)

Derivative Instruments Not Designated as Hedging Instruments, Gain (Loss), Net

000

Other derivatives | Nonoperating Income (Expense) [Member]

Derivative Instruments, Gain (Loss)

Derivative Instruments Not Designated as Hedging Instruments, Gain (Loss), Net

\$ 0\$ (8)\$ (3)

XML 146 R129.htm IDEA: XBRL DOCUMENT

Borrowings - Notes
Payable and Short-
Term Borrowings
(Details) - USD (\$)

Oct. 31, 2024Oct. 31, 2023

Notes Payable and Short-Term Borrowings

Current portion of long-term debt

\$ 3,969,000,000^[1] \$ 4,022,000,000

Total notes payable and short-term borrowings

\$ 4,742,000,000\$ 4,868,000,000

Current portion of long-term debt, weighted average interest rate (as a percent)

7.60%4.80%

Asset-backed Securities

Notes Payable and Short-Term Borrowings

Current portion of long-term debt

\$ 1,400,000,000

Commercial paper

Notes Payable and Short-Term Borrowings

Commercial paper

649,000,000\$ 679,000,000

Total notes payable and short-term borrowings

\$ 0\$ 0

Weighted-average interest rate

3.70%4.10%

Notes payable to banks, lines of credit and other		
Notes Payable and Short-Term Borrowings		
Notes payable to banks, lines of credit and other	\$ 124,000,000	\$ 167,000,000
Weighted-average interest rate	5.00%	4.60%
[1] As of October 31, 2024, the Current portion of long-term debt, net of discount and issuance costs, included \$1.4 billion associated with the current portion of the Company issued asset-backed debt securities.		
XML 147 R130.htm IDEA: XBRL DOCUMENT		

Borrowings - Long-Term Debt (Details) \$ in Millions	12 Months Ended		
	Oct. 31, 2024 USD (\$) tranche	Oct. 31, 2023 USD (\$) tranche	Oct. 31, 2022 USD (\$)
Long-term debt			
Fair value adjustment related to hedged debt	\$ (58)	\$ (151)	
Unamortized debt issuance costs	(76)	(30)	
Less: current portion	(3,969)	(4,022)	
Total long-term debt	\$ 13,504	\$ 7,487	
Weighted average interest rate (as a percent)	7.60%	4.80%	
Interest expense on borrowings recognized in Combined Statements of Earnings			
Financing cost	\$ 495	\$ 383	\$ 211
Interest expense	282	326	260
Total interest expense	777	709	\$ 471
Asset-backed Securities \$818 issued in June 2024, in six tranches at a weighted average price of 99.99% and a weighted average interest rate of 5.59%, payable monthly from July 2024			
Long-term debt			
Secured debt	700	0	
Face amount of debt instrument	\$ 818		
Discount to par (as a percent)	99.99%		
Number of tranches tranche	6		
Weighted average interest rate (as a percent)	5.59%		
Asset-backed Securities \$796 issued in January 2024, in six tranches at a weighted average price of 99.99% and a weighted average interest rate of 5.48%, payable monthly from February 2024			
Long-term debt			
Secured debt	\$ 583	0	
Face amount of debt instrument	\$ 796		
Discount to par (as a percent)	99.99%		
Number of tranches tranche	6		
Weighted average interest rate (as a percent)	5.48%		
Asset-backed Securities \$612 issued in September 2023, in six tranches at a weighted average price of 99.99% and a weighted average interest rate of 6.40%, payable monthly from October 2023 with a stated final maturity of July 2031			
Long-term debt			
Secured debt	\$ 373	596	
Face amount of debt instrument	\$ 612	\$ 612	
Discount to par (as a percent)	99.99%	99.99%	
Number of tranches tranche	6	6	
Weighted average interest rate (as a percent)	6.40%	6.40%	
Asset-backed Securities \$643 issued in March 2023 and April 2023, in five tranches at a weighted average price of 99.99% and a weighted average interest rate of 5.59%, payable monthly from April 2023 with a stated final maturity of April 2028			
Long-term debt			
Secured debt	\$ 257	\$ 483	
Face amount of debt instrument	\$ 643	\$ 643	
Discount to par (as a percent)	99.99%	99.99%	
Number of tranches tranche	5	5	
Weighted average interest rate (as a percent)	5.59%	5.59%	
Asset-backed Securities \$651 issued in October 2022, in five tranches at a weighted average price of 99.99% and a weighted average interest rate of 5.55%, payable monthly from November 2022 with a stated final maturity date of August 2029			
Long-term debt			
Secured debt	\$ 191	\$ 393	
Face amount of debt instrument	\$ 651	\$ 651	
Discount to par (as a percent)	99.99%	99.99%	
Number of tranches tranche	5	5	
Weighted average interest rate (as a percent)	5.55%	5.55%	
Asset-backed Securities \$747 issued in May 2022, in six tranches at a weighted average price of 99.99% and a weighted average interest rate of 3.68%, payable monthly from July 2022 with a stated final maturity date of March 2030			
Long-term debt			
Secured debt	\$ 148	\$ 367	
Face amount of debt instrument	\$ 747	\$ 747	
Discount to par (as a percent)	99.99%	99.99%	
Number of tranches tranche	6	6	
Weighted average interest rate (as a percent)	3.68%	3.68%	
Asset-backed Securities \$1,000 issued in January 2022, in six tranches at a weighted average price of 99.99% and a weighted average interest rate of 1.51%, payable monthly from March 2022 with a stated final maturity date of November 2029			
Long-term debt			
Secured debt	\$ 124	\$ 391	
Face amount of debt instrument	\$ 1,000	\$ 1,000	
Discount to par (as a percent)	99.99%	99.99%	
Number of tranches tranche	6	6	
Weighted average interest rate (as a percent)	1.51%	1.51%	
Asset-backed Securities \$753 issued in June 2021, in six tranches at a weighted average price of 99.99% and a weighted average interest rate of 0.58%, payable monthly from August 2021 with a stated final maturity date of March 2029			
Long-term debt			
Secured debt	\$ 26	\$ 147	
Face amount of debt instrument	\$ 753	\$ 753	
Discount to par (as a percent)	99.99%	99.99%	
Number of tranches tranche	6	6	
Weighted average interest rate (as a percent)	0.58%	0.58%	
Asset-backed Securities \$1,000 issued in March 2021, in six tranches at a weighted average price of 99.99% and a weighted average interest rate of 0.49%, payable monthly from April 2021 with a stated final maturity date of March 2031			
Long-term debt			
Secured debt	\$ 0	\$ 102	
Face amount of debt instrument	\$ 1,000	\$ 1,000	
Discount to par (as a percent)	99.99%	99.99%	
Number of tranches tranche	6	6	
Weighted average interest rate (as a percent)	0.49%	0.49%	
Senior Notes \$1,250 issued at discount to par at a price of 99.996% in September 2024 at 4.45%, due September 25, 2026, interest payable semi-annually on March 25 and September 25 of each year			
Long-term debt			
Unsecured notes	\$ 1,250	\$ 0	
Face amount of debt instrument	\$ 1,250		
Discount to par (as a percent)	99.996%		

Interest rate	4.45%	
Senior Notes \$1,250 issued at discount to par at a price of 99.953% in September 2024 at 4.40%, due September 25, 2027, interest payable semi-annually on March 25 and September 25 of each year		
Long-term debt		
Unsecured notes	\$ 1,249	0
Face amount of debt instrument	\$ 1,250	
Discount to par (as a percent)	99.953%	
Interest rate	4.40%	
Senior Notes \$1,750 issued at discount to par at a price of 99.894% in September 2024 at 4.55%, due October 15, 2029, interest payable semi-annually on April 15 and October 15 of each year		
Long-term debt		
Unsecured notes	\$ 1,748	0
Face amount of debt instrument	\$ 1,750	
Discount to par (as a percent)	99.894%	
Interest rate	4.55%	
Senior Notes \$1,250 issued at discount to par at a price of 99.908% in September 2024 at 4.85%, due October 15, 2031, interest payable semi-annually on April 15 and October 15 of each year		
Long-term debt		
Unsecured notes	\$ 1,249	0
Face amount of debt instrument	\$ 1,250	
Discount to par (as a percent)	99.908%	
Interest rate	4.85%	
Senior Notes \$2,000 issued at discount to par at a price of 99.078% in September 2024 at 5.00%, due October 15, 2034, interest payable semi-annually on April 15 and October 15 of each year		
Long-term debt		
Unsecured notes	\$ 1,982	0
Face amount of debt instrument	\$ 2,000	
Discount to par (as a percent)	99.078%	
Interest rate	5.00%	
Senior Notes \$1,500 issued at discount to par at a price of 98.086% in September 2024 at 5.60%, due October 15, 2054, interest payable semi-annually on April 15 and October 15 of each year		
Long-term debt		
Unsecured notes	\$ 1,471	0
Face amount of debt instrument	\$ 1,500	
Discount to par (as a percent)	98.086%	
Interest rate	5.60%	
Senior Notes \$250 issued at premium to par at a price of 100.452% in June 2023 at 5.90%, due October 1, 2024, interest payable semi-annually on April 1 and October 1 of each year		
Long-term debt		
Unsecured notes	\$ 0	251
Face amount of debt instrument	\$ 250	\$ 250
Discount to par (as a percent)	100.452%	100.452%
Interest rate	5.90%	5.90%
Senior Notes \$550 issued at discount to par at a price of 99.887% in June 2023 at 5.25%, due July 1, 2028, interest payable semi-annually on January 1 and July 1 of each year		
Long-term debt		
Unsecured notes	\$ 550	\$ 549
Face amount of debt instrument	\$ 550	\$ 550
Discount to par (as a percent)	99.887%	99.887%
Interest rate	5.25%	5.25%
Senior Notes \$400 issued at discount to par at a price of 99.997% in March 2023 at 6.102%, due April 1, 2026, interest payable semi-annually on April 1 and October 1 of each year		
Long-term debt		
Unsecured notes	\$ 0	\$ 400
Face amount of debt instrument	\$ 400	\$ 400
Discount to par (as a percent)	99.997%	99.997%
Interest rate	6.102%	6.102%
Senior Notes \$1,300 issued at discount to par at a price of 99.934% in March 2023 at 5.90%, due October 1, 2024, interest payable semi-annually on April 1 and October 1 of each year		
Long-term debt		
Unsecured notes	\$ 0	\$ 1,299
Face amount of debt instrument	\$ 1,300	\$ 1,300
Discount to par (as a percent)	99.934%	99.934%
Interest rate	5.90%	5.90%
Senior Notes \$1,000 issued at discount to par at a price of 99.883% in July 2020 at 1.45%, due April 1, 2024, interest payable semi-annually on April 1 and October 1 of each year		
Long-term debt		
Unsecured notes	\$ 0	\$ 1,000
Face amount of debt instrument	\$ 1,000	\$ 1,000
Discount to par (as a percent)	99.883%	99.883%
Interest rate	1.45%	1.45%
Senior Notes \$750 issued at discount to par at a price of 99.820% in July 2020 at 1.75%, due April 1, 2026, interest payable semi-annually on April 1 and October 1 of each year		
Long-term debt		
Unsecured notes	\$ 750	\$ 749
Face amount of debt instrument	\$ 750	\$ 750
Discount to par (as a percent)	99.82%	99.82%
Interest rate	1.75%	1.75%
Senior Notes \$2,500 issued at discount to par at a price of 99.725% in October 2015 at 4.90%, due October 15, 2025, interest payable semi-annually on April 15 and October 15 of each year		
Long-term debt		
Unsecured notes	\$ 2,499	\$ 2,499
Face amount of debt instrument	\$ 2,500	\$ 2,500
Discount to par (as a percent)	99.725%	99.725%
Interest rate	4.90%	4.90%
Senior Notes \$750 issued at discount to par at a price of 99.942% in October 2015 at 6.20%, due October 15, 2035, interest payable semi-annually on April 15 and October 15 of each year		
Long-term debt		
Unsecured notes	\$ 750	\$ 750
Face amount of debt instrument	\$ 750	\$ 750
Discount to par (as a percent)	99.942%	99.942%
Interest rate	6.20%	6.20%
Senior Notes \$1,500 issued at discount to par at a price of 99.932% in October 2015 at 6.35%, due October 15, 2045, interest payable semi-annually on April 15 and October 15 of each year		
Long-term debt		
Unsecured notes	\$ 1,499	\$ 1,499
Face amount of debt instrument	\$ 1,500	\$ 1,500
Discount to par (as a percent)	99.932%	99.932%
Interest rate	6.35%	6.35%
Other, including capital lease obligations, at 1.1%-9.0%, due in calendar years 2021-2030		

Long-term debt		
Other, including capital lease obligations, at 1.1%-9.0%, due in calendar years 2021-2030	(1) \$ 208	\$ 215
Other, including capital lease obligations, at 1.1%-9.0%, due in calendar years 2021-2030 Financial Services		
Long-term debt		
Other, including capital lease obligations	\$ 14	\$ 36
Other, including capital lease obligations, at 1.1%-9.0%, due in calendar years 2021-2030 Minimum		
Long-term debt		
Interest rate	1.60%	1.60%
Other, including capital lease obligations, at 1.1%-9.0%, due in calendar years 2021-2030 Maximum		
Long-term debt		
Interest rate	6.30%	6.30%
[1] Other, including finance lease obligations included \$14 million and \$36 million as of October 31, 2024 and 2023, respectively, of borrowing- and funding-related activity associated with F5 and its subsidiaries that are collateralized by receivables and underlying assets associated with the related finance and operating leases. For both the periods presented, the carrying amount of the assets approximated the carrying amount of the borrowings.		

XML 148
R131.htm
IDEA: XBRL DOCUMENT

Borrowings - Narrative (Details)	Oct. 31, 2024 USD (\$) commercialPaperProgram	Sep. 30, 2024 USD (\$)	Jan. 09, 2024 USD (\$)	Sep. 21, 2023 USD (\$)	Oct. 01, 2024 USD (\$)	Oct. 31, 2023 USD (\$)
Debt instruments						
Current portion of long-term debt, weighted average interest rate (as a percent)	7.60%					4.80%
Amount outstanding	\$ 4,742,000,000					\$ 4,868,000,000
Fair value adjustment related to hedged debt	58,000,000					151,000,000
Discount on debt issuance	53,000,000					
Unsecured revolving credit facility						
Debt instruments						
Maximum borrowing capacity under credit facility		\$ 5,250,000,000				
Term of credit facility		5 years				
Borrowings outstanding	\$ 0					0
Unsecured revolving credit facility Immediately Available						
Debt instruments						
Amount available under credit facility		\$ 4,750,000,000				
Unsecured revolving credit facility Available Upon Closing Of Juniper Acquisition						
Debt instruments						
Amount available under credit facility		500,000,000				
Commercial paper						
Debt instruments						
Number of commercial paper programs commercialPaperProgram	2					
Maximum borrowing capacity under credit facility	\$ 4,750,000,000					
Amount outstanding	0					0
Commercial paper U.S. program						
Debt instruments						
Maximum borrowing capacity under credit facility	4,750,000,000					
Commercial paper Euro program						
Debt instruments						
Maximum borrowing capacity under credit facility	3,000,000,000.0					
Hewlett Packard Enterprise Commercial paper Euro program						
Debt instruments						
Amount outstanding	649,000,000					\$ 679,000,000
Hewlett-Packard International Bank PLC Commercial paper Euro Commercial Paper/Certificate of Deposit Programme						
Debt instruments						
Maximum borrowing capacity under credit facility	1,000,000,000.0					
Uncommitted credit facility Revolving Credit Facility						
Debt instruments						
Maximum borrowing capacity under credit facility				\$ 500,000,000		
Term of credit facility				5 years		
Borrowings outstanding	0					
Senior Unsecured Delayed Draw Term Loan Line of Credit						
Debt instruments						
Face amount of debt instrument				\$ 3,000,000,000		
Term of credit facility				3 years		
Senior Unsecured Delayed Draw Term Loan Revolving Credit Facility						
Debt instruments						
Maximum borrowing capacity under credit facility				\$ 14,000,000,000		
Senior Unsecured Delayed Draw Term Loan Line of Credit						
Debt instruments						
Maximum borrowing capacity under credit facility				\$ 11,000,000,000		
Term of credit facility				364 days		
Senior Unsecured Delayed Draw Term Loan Issued September 2024						
Debt instruments						
Maximum borrowing capacity under credit facility		12,000,000,000				
Debt, long-term and short-term, combined amount	0					
Payments of financing costs	\$ 42,000,000					
Senior Unsecured Delayed Draw Term Loan Issued September 2024 Line of Credit						
Debt instruments						
Face amount of debt instrument				\$ 3,000,000,000		
Term of credit facility				3 years		
Senior Unsecured Delayed Draw Term Loan Issued September 2024 Line of Credit						
Debt instruments						
Maximum borrowing capacity under credit facility				\$ 9,000,000,000	\$ 1,000,000,000	
Term of credit facility				364 days		
Senior Notes And Long Term Debt						
Debt instruments						
Senior notes				\$ 9,000,000,000		

XML 149
R132.htm
IDEA: XBRL DOCUMENT

Borrowings - Future	
Maturities of Long	Oct. 31, 2024
Term Debt (Details)	USD (\$)
\$ in Millions	

Debt Disclosure [Abstract]

2025	\$ 4,032

Equity, Class of Treasury Stock [Line Items] Preferred stock conversion ratio Convertible Preferred Stock Conversion On September 1, 2027 Maximum	2.5352			
Equity, Class of Treasury Stock [Line Items] Preferred stock conversion ratio Convertible Preferred Stock Conversion Before September 1, 2027 Minimum	3.1056			
Equity, Class of Treasury Stock [Line Items] Preferred stock conversion ratio Convertible Preferred Stock Conversion Before September 1, 2027 Maximum	1.9200			
Equity, Class of Treasury Stock [Line Items] Preferred stock conversion ratio Subsequent Event	3.1056			
Equity, Class of Treasury Stock [Line Items] Cash dividends declared per share (in dollars per share) \$ / shares Share Repurchase Program	\$ 0.13			
Equity, Class of Treasury Stock [Line Items] Stock repurchase program authorized amount \$ Retired (shares) shares Open market repurchases (shares) shares Accelerated Share Repurchase Agreement	\$ 2,500,000,000 \$ 5,000,000,000.0 \$ 3,000,000,000.0			
	7,800 27,200			
	100 200 300			
Equity, Class of Treasury Stock [Line Items] Repurchased \$	\$ 150,000,000 \$ 400,000,000			

XML 152 R135.htm
IDEA: XBRL DOCUMENT

Net Earnings Per Share (Details) - USD (\$) \$ / shares in Units, shares in Thousands, \$ in Millions	12 Months Ended			
	Sep. 10, 2024	Oct. 31, 2024	Oct. 31, 2023	Oct. 31, 2022
Numerator:				
Net earnings attributable to common stockholders - Basic		\$ 2,554	\$ 2,025	\$ 868
Plus: 7.625% Series C mandatory convertible preferred stock dividends		25	0	0
Net earnings - Diluted		\$ 2,579	\$ 2,025	\$ 868
Denominator:				
Weighted-average shares used to compute basic net EPS (in shares)		1,309,000	1,299,000	1,303,000
Dilutive effect of employee stock plans (in shares)		18,000	17,000	19,000
Dilutive effect of preferred stock (in shares)		10,000	0	0
Weighted-average shares used to compute diluted net EPS (in shares)		1,337,000	1,316,000	1,322,000
Net earnings per share attributable to common stockholders:				
Basic (in dollars per share)		\$ 1.95	\$ 1.56	\$ 0.67
Diluted (in dollars per share)		\$ 1.93	\$ 1.54	\$ 0.66
Anti-dilutive weighted average stock awards (in shares)	[1]	0	0	2,000
Convertible Preferred Stock				
Net earnings per share attributable to common stockholders:				
Preferred stock dividend rate (as a percentage)		7.625%		

[1] The Company excludes shares potentially issuable under employee stock plans that could dilute basic net EPS in the future from the calculation of diluted net earnings per share, as their effect, if included, would have been anti-dilutive for the periods presented.

XML 153 R136.htm
IDEA: XBRL DOCUMENT

Litigation, Contingencies, and Commitments (Details) \$ in Millions	1 Months Ended		24 Months Ended			
	Sep. 22, 2020 segment	Aug. 18, 2012	May 10, 2010 USD (\$) employee	Sep. 30, 2011	Jul. 31, 2011	Oct. 31, 2008 contract
Litigation and Contingencies						
Damages sought			\$ 370			
Bid and contract term				5 years		
Recorded unconditional purchase obligation, total						\$ 1,300
Recorded Unconditional Purchase Obligation, to be Paid, Year One						556
Recorded Unconditional Purchase Obligation, to be Paid, Year Two						368
Recorded Unconditional Purchase Obligation, to be Paid, Year Three						278
Recorded Unconditional Purchase Obligation, to be Paid, Year Four						68
Recorded Unconditional Purchase Obligation, to be Paid, Year Five						13
Recorded Unconditional Purchase Obligation, to be Paid, after Year Five						\$ 0
India Directorate of Revenue Intelligence Proceedings						
Litigation and Contingencies						
Number of HP India employees alleging underpaid customs employee			7			
Number of former HP India employees alleging underpaid customs employee			1			
Bangalore Commissioner of Customs						
Litigation and Contingencies						
Duties and penalties under show cause notices						\$ 17
ECT Proceedings						\$ 386
Litigation and Contingencies						
Number of ECT contracts related to alleged improprieties contract						3
ECT Proceedings Minimum						
Litigation and Contingencies						
Length of sanctions				2 years		
ECT Proceedings Maximum						
Litigation and Contingencies						
Length of sanctions				5 years		

Forsyth, et al. vs HP Inc. and Hewlett Packard Enterprise | Minimum

Litigation and Contingencies

Age of terminated employees

40 years

Q3 Networking Litigation

Litigation and Contingencies

Number of patents allegedly infringed | segment

4

XML 154 R137.htm IDEA: XBRL DOCUMENT

Guarantees and Indemnifications - Indemnified Litigation matters and Other Contingencies (Details) - USD (\$)

Oct. 31, 2024 Oct. 31, 2023

Other Commitments [Line Items]

Other assets, noncurrent

\$ 12,616 \$ 11,377

Payable

6,905 6,546

Net indemnification receivable - long-term

3,380 3,047

Guarantor obligations maximum exposure

298

Tax Indemnification

Other Commitments [Line Items]

Other assets, noncurrent

(1) 35 31

Net indemnification receivable - long-term

(1) 0 11

Litigation Matters and Other Contingencies | Litigation Matters and Other Contingencies

Other Commitments [Line Items]

Other assets, noncurrent

37 42

Payable

\$ 47 \$ 48

[1] The actual amount that the Company may receive or pay could vary depending upon the outcome of certain unresolved tax matters, which may not be resolved for several years.

XML 155 R138.htm IDEA: XBRL DOCUMENT

Guarantees and Indemnifications - Changes in Aggregate Product Warranty Liabilities and Changes (Details) - USD (\$)

12 Months Ended

Oct. 31, 2024 Oct. 31, 2023 Oct. 31, 2022

Changes in aggregated product warranty liabilities

Balance at beginning of balance

\$ 318 \$ 360 \$ 327

Charges

173 184 238

Adjustments related to pre-existing warranties

(5) (18) (2)

Standard and Extended Product Warranty Accrual, Decrease for Payments

(185) (208) (203)

Balance at end of year

\$ 301 \$ 318 \$ 360

XML 156 R139.htm IDEA: XBRL DOCUMENT

Equity Interests - Narrative (Details) \$ in Millions

12 Months Ended

Oct. 31, 2024 USD (\$) Oct. 31, 2023 USD (\$) Oct. 31, 2022 USD (\$) Sep. 04, 2024 USD (\$) May 24, 2024 USD (\$) Apr. 02, 2024 Dec. 30, 2022

Schedule of Equity Method Investments [Line Items]

Investments in equity interests

\$ 929 \$ 2,197

Put share purchase agreement

\$ 2,100

Put share purchase agreement, net of tax

\$ 2,000

Gain on sale of equity interest

733 0 \$ 0

Basis difference

649

Equity method investment, other than temporary impairment

0 0

Earnings (loss) from equity interests

147 245 215

Accounts payable

11,064 7,136

Accounts receivable, net of allowances

3,550 3,481

Equity Method Investee | H3C

Schedule of Equity Method Investments [Line Items]

Revenues

256 383 848

Purchases from related party

72 125 \$ 148

Accounts payable

7 10

Accounts receivable, net of allowances

7 12

H3C

Schedule of Equity Method Investments [Line Items]

Investments in equity interests

\$ 929 \$ 2,200

Ownership

19.00% 49.00% 49.00%

Cash dividend

\$ 43 \$ 200

H3C | Amended And Restated Put Share Purchase Agreement

Schedule of Equity Method Investments [Line Items]

Equity Method Investment, Put Share Purchase Agreement, Issued Capital, Percentage

0.30 0.30 0.30

Put share purchase agreement

\$ 2,100

H3C | Subsequent Option Agreement

Schedule of Equity Method Investments [Line Items]

Equity Method Investment, Put Share Purchase Agreement, Issued Capital, Percentage

0.19

Put share purchase agreement

\$ 1,400

XML 157 R140.htm IDEA: XBRL DOCUMENT

Equity Interests - Earnings from Equity Interest (Details) - USD (\$)

12 Months Ended

Oct. 31, 2024 Oct. 31, 2023 Oct. 31, 2022

Schedule of Equity Method Investments [Line Items]

Earnings from equity interests, net of taxes

\$ 154 \$ 242 \$ 270

Basis difference amortization

(3) (9) (45)

Adjustment of profit on intra-entity sales

(4) 12 (10)

Earnings from equity interests

147 245 215

Impairment of goodwill

\$ 0 \$ 0 \$ 905

EXCEL 158 Financial_Report.xlsx IDEA: XBRL DOCUMENT begin 644 Financial_Report.xlsx M4\$L#!0 ()E"DUD'04UB@0 + \$ 0 9&[C4']O<'O87!P+GAM M; \$V./0L ".1!\$!IOO:=!P4)B0-!2L+ (/>OLOD&[L#LD]'OCG!CVX>:OA&WP!G M*N*I#BV&5/ C!(/ /47BK9.7:=N')=H!6-Y #OGDK7A.YNJO<&4GPZ4A!0W /_!0U!R:UEA 6!#M!7E!+ P04 M " "90!-9K_E)!>| K @ \$0 & !O8U!R:W!S+V: O&ULS9+ / M3L.P#!(=?!>7>NDD!@!JCK9!_GD)'8!_.(6)=X6K?FCQ*C=V!_6K!_!"!^ 8^Y?/ MGR4W.DH=\$KZD\$#& !Q7PSN.YG!>.*8BB!_CZ@!\$EFC MVB.(!KH#AZ2,!@43L!(@+D:6: T5(G5!32&6_T@H^?j9MA!@-VZ-!3!EYR8.TT M.9Z&KH\$K8(!!)> "V@6XES!\$SMW@!V30!9+JN_!L!_GW+@#A_?G!]=YW<+Z M3.IK"!JE*^D4<<4ND!_!J6!R%UB=N"BX(:!DM127%_&_UL!5!< !HX%!OK!J9_9M"!8V@::!\$W-I=MNTF83M M3A^%\$5B-:'EDD81_OTV23!J:_!0LZ?O.14?GZ#AY1^XN8NB&B)3R M> +!O6N!l3+ MUES@6OHO!lJM-O=5H!U!*\$81V!@? 5XL:\$#05%::!l@M.42_@5RU2-9:;! M\$U=!lKF(M/+Y:;_7!VMX^9<_!ATR@6XP&U@?@?YO!^!1.6HCA5.+&P&IG/U9K MQ!22!('R7V4!:_!l)l!3%0@R#3LZG5C.=GSVQ.V? C.K:=#1M&N#C!7@XML02 MBW A!5M>5 TR M6!VULS2 Y9>*?IUE!K9'-O=05SP6.XYB1!'^QL4\$UFG2&98T!G*=D 4_#? \$ MT4Q0?#!MHK@PI+27)!#6SRFU4!H(FLB!l4>"(<7K;YH! M5Z%82=J\$^!&N^<^<9ST6S!lZ5&T?95O-RCEU@5 9<8WS2!J-2S%UGB5P/&M MG#P=\$Q+&E L&08:7)"82!3E^34@3_BNEVOZKR2.FIW"\$2M"/F!9 M: AIRM!_lMG&JA&!:SL-!>S!2M!l6:PUDSY@R.S-D77.U!\$. \$9!>-!T^8LZ+ MD!&_H8X2!KMHG%8!N>7L-)P>B"RV:IN'Z&U3-L+(!W!l072N0!l)!<_Z3(T M!Z:.60F!A%9!GZ!'-#ZH'C!?!&Y'C!E>G@*: Y:&O%N@GL!_!:-!K^!+ M.7!N?<^E!l!GT!/:2MSAD6R4)RU3393>*M\$!Y^&V!l4_5*E=?EK!DHN#O:Y.FOH70^+_Y/%_GM.T+T.WF!)Y M^M-2D&_#^>G%>!KB.=D\$N7V85VWGV.

1-2?4:"CISR6<<N(AJ&F, # MOX=>Y 89Y7&4#04:6RL"Q&MVX"X \$L% ID8"V@/X.O40+R4E5@.50& RN0.MHGQ.C57H<->77% CT9+CVZ9EM6Z0?>7.9)2D.<|JF|: GJK->9.'151W55OR.M+Y|/053L.~6:V(GPP13A8+SDACE|>F2J+5&5.'YRMOJ14Q4XOT4SMA?7=>+32.MYL:O3E.X&G.V:P|R.N|JL7J1E.6#F|MM#M.DL6XA9N?>7>5Y9YNTB42Q|P# 4A M#W+Q<?<3:G>Y.HL@6V5\$5|DU1?>W(XG|3-RO|A4J)NVBB+&A=OB5.VI&KXF.M8\$0+Z=F+22.VU|/4@/0.4.SHYG@.#M.YA.L021?>P7V#BV|JW"X?>26<|J|H8\$&F.S6VZ3VW>? -2K6J5D"Q\$ M2P=|Y|&X&O.I?>1?CQI8B|:QK<...00Y@C\$C\$#%F-.~19H.16+K#F.FYJ.MU4E|A04#6CV3#30.9F.VJ/D3@H+W|O#?#0|A|8N.15+P04.M"90|9>|>2>J|/=&.@&+AL+W=O& (LCR4G MIWUL.V9:6-AQI<Q&S&W|ONI|+MGO|FV|W32@.R*W|T|RS|H|H|<?>?OYI.WU4Z|U9Y|P<+<+22&8-BB5JZ2@.K+22O|F|TW|JMO M5D?2|C\$|B|I\$S.SMV"J">W|2|X82K.X.X|W=O& FZ.B@|K%Y+1\$F 2%0.V.M+L.N%&+L.R.L.3%Z5C\$.2" OPO?>@|8NG5H|>R&+U751\$|Y|JZ@&|T|<+>+1.M6^@(|.01:82S?>DSJZ/G+@&3?F|T\$81.+&+KBW/NG5.7@&G*9AK6A6:IH6> M:2Q6' WB@.I@.384I\$Y."1?TN1L.N%&+>VO9E.I@.I?>Q| "AFWE">|M=7AQP">NABR\$|O1S.I.RJX@.XCT#<#.V|:Z\$Y?"076+1&RY+D M8Y=1X>Q?2-IR.MA.IQ.PV.B1\$5.LKTFLA- (YH|14Z@>7V79.M?>M9-C4X.9C?>W4&1OG5E|UFL1?>SH%|IQZ?7APG.\$|3LJ\$.R\$|=O|+9'A=9513 M4|K\$2J.M"NZ"NZX"R" MIDY<#" 94.9M2"QW&JLK2AG2@)HFEL1?T|@%M.VQ M8Q@D@6P>?TWZJ|.~8>|J@>#&|1?7&V|W."HUFV+4+1%.1?%Y6W8-Z&K=2|NZO.F6SPW|X.T-?F5Z5D%L.L.O5XO@#1.MV?>6:HCIN53M3BU|>@T3#3 78#&XWZ|QN5HOGP|:6I@&M.4Y: .F6:A&DOE.MIOU.-WT"KQC+|4UJN>F&A2?&C4FMDP|E51.96.13G>/BNTP?>G.FOH6O.M4+V~.1.W9OZ38M.H&761E|50.49.Z.B|H%&|A.AYQJ24M.V.W.|>2:E|E1 M"ZU"K?>1Y|C8J|P.KE3U@<#4FM<#GZ?<1%>RDFK.Y|EUH94~<3?<6Z.YWZTJ|M.M8U5R?|S.M\$>PDSJ&E4=4WZ%|KTR|<@.UG+OPD4743C.LC28\$8+D3W: <151C.F:ITC8J|P.OYUWDSB7FNU2EBUD>..J41E+>22A5T~M347119P.FI%EMR\$|=33Y78>4H1LORDRDTXH5X06=15.3K4RMOA+V#5<@&M.L616+V'DSXWPJ.4FE|Q|B|U69Z|+K4RM< 96+6>0>4?D0D?V&PK9.76"8|9.MD|>Q.O.I@.EY3TR?>H%&S15>?P&K|:9K\$7H.>P>9W4+5.Y5.W=5QC.M6K?>P.9A:Q.F?P|FR9#FC.16Q@&|I.MO<Q&OQ-FIL.NQ:4.NM3?V+H+8*D3 |J\$|&L)@.N"6>\$<0<0:LXRK?2RFU|I>@H.YK?>1~.J5Y|J68F6\$15&M&L1|?EYLSN<+&+LL1M.#=FRMQ2B6K?ZG6FU|K4RA0+>V|I.O|C?&?%29 M3.DHH|ZKC&L|<@&JW |5BUWX?7S?2A M+V|VIG/7?A?0R 5.+F@&R?|I|/R|V@.36H|YBZDZ\$W&XY" M~M%YELCIUYO.D>ZD=HS!%=<+SB1~M?>=HP~C%O#4.M|E|5:4!|52\$%ZNP7P9|J7P.R&MD6C %Q@>NFO<+&+LPAY?GAC2S1|Q|2XUJ|>=PWX7?|X|VB.J|>|&@&+M:NOAJM|P.PK?>=|M~S?TFW=6@U5KK4RLVP.#9V+6|EPH|_@.4P#L@^D.D.MT|>~C.PS&NGT|F5/BE2IS>F=|>YCY91? &R&8.HAXT~B#|J9|2M|.E5.F.IXQ.MIGX|A.MHY|:1?P2X34>X0|JYU|HPVX3.P<LHN|01=

[illegible]

[illegible]

CCZPN91.DX*F.Q%W6'E<.&?2CB "1H4|+|/GF-NKHLIA2=D01" %<ZXEOA MTHHB8=XROSM.ON1Y=|0&CD|W7C.D|+C*%X@> M IOUVUE2@>"T3|R2N13Q
MCZ2P#YF<@/(WJWB#PF6.B*Q<+2*H7 MT1P@B06\$S\$Z.3%AM %6=JZ\$M0= RTI7GXTFE6231.S6LIG3 IC^1 R YNM MP1X=H8OGCG2 O1^048E08DH0L@3& BVMOGLI\$\$.1%>..P2
1#37FX61UW MM2?+> S=N.M.#2JICAMT= 2R\$6A@> W.X55R0U@&8\$S0R@QIV>.>0>1?BF|CFYGC|@|9 JIGL7.1^P B13^+A^ MIGO@A=3#4X=D
OC6N:6W8B|IG4GHC&M%|JH1.1L|.7208CS0U0%|WSYB|W M Q9HMSM64.U0OX|LL|066LCT\$S1V9"=JCOY=DCN^C|60^Q2+ SM1=3 P.MDAM4|CP6EPR.W1.V7F(A|XAL1C1?
P&8PC^U.1#R# M5^01Q2?>@>@/A2M^M.GI8P1^N+2V|0|8TXH0C%G*4P:786\$ GIZL13 M4C20/7E.JK@PP.ML|B54C|L>5\$SRWYDVZ>^>0^>G=F-5)388^XK2NS#1^0B7@2/+NVIL\$C.RI-M
B.3A-32V#BAV25N\$R\$&#OM"=6L1X%PC.RQ.O.UV<=&B\$MIOQ|JTB896.M76\$6\$P0L%#B0C9>1T^1N2?1L1F\$FAG4?>#28XS&#&81QX|L\$EPTQJA<=3 M=Tb>C?M2 UCW&.#1TGIG
ID=5JBAP|EH21NA4FW9I.6.O%B5%G6\$F7+*8).ID#3NEM&=1-R7504X.&CJ^C! M "U&U|F" BZ^|Y?T<=^C^|YOG|+NV=^0#1% XST/CXTWNO2E".40C.O.M^<
=1D#P#@.QMI<6@>0YF8.OA=6B7V7C43F53@>3LRI=N\$N+&SPA.RI.M&#IGN-9GCEMPN%#S\$2Z.EZK6M997M1@>1DC8CB90A&TZGCO KTSI\$1.M.10-BB>31F.?6&?<
00%>S16JX CJC5- W|Q@>@1.BP62.MJ5E7M1E7Q|/1%1 #U %PIL\$7#81?C^3MZHMI0H|H.NXW3|(.H=)T\$32\$@A M80HSD7XYX|ZDD4 W.#.P3GLX|L6BP8|>A3R^DSS1\$Z1P.604D@>=I21GP
M|U#SAYX21J09?>0>Y1\$ ^LYN9I7 Q1%|/3 &^V^VME>RDE M^%E|= @6N.TMR#1V86.(P2A1G%W9GR^IC9G.N^4 M1>N^7K^+V18^XU9^1? 14U7H02JP51V0>ZX|XNK1|^4?2C.D?JA1
MUYRFE7P.S\$S|Y1+>IC9RFPDS|Q21M1Y=SLB7Y1+M#3P.27P00|G|L.NXM.M2^%XQZ|L.M.KXK|O13D^G^X1\$>G18M.LM%|T022Z1871UL71?>#2ZQ1K#1#WY|YH83&4W^60^>
=IPOWS^1|I.W|X+0%0<3- UDXK1M1@>XOTCE|KE|U0\$|OUFT Y^1.HMEI00.(OTR^B|HXZV10I7DRX|C.M9KYNUY1%3 &P%N3P3^18KKPWCAKN0%Q\$A^P6R.G1\$>M85^C^G^A^4^4SN1M
I02?KPOC2849X2C22SA1.OH.P5Y\$#<A9>E=K7L+VIRE790\$NE.O1.M@>1^0V7>2>0>M1P^V.VEULZR= 20Z/1(=H=D6PM948%|WW TL^?Z1MXK3 M>A^V1L1M04X|OKK^|CY|C|?<
&1^BX.#E2/P#31^>00PW^|C|I^C|_X@>1X M..1X1=Z^0P0^Z8.\$E3&T#^41W^XW+O.509B|M8#%QMR|LAN^T|E|JW#5^JBX.H|Z^|6|=XKL M8L11TDX?DKG.T?OVHP#VJ.M3/#5148Q".K1Q*H|
JH|>26KG CZUB\$2P72326#3.21BP15.(6 W1+H76A.2 M2P51P^1P^1S B2+1 ISV1V+|E@>0>#P+1O MKN=HPEU7.Z5L44%G.(T0SN.3 M6+&3P1.W\$1.W5P1E7.5^507^<8BP>W9O1+J.A.P&6P8P
E1AU>5.F0R13.6 MNIJ010X^41L\$+6.F^3HIG8 "8\$+8VAO.0F.DE2\$208U|D.P.U^YD^\$ MP1+&1.25AE|HPOV+34|(.M V|H1>=>"L\$B1C =1U2.WJPIE2ZV4P33U?<
WH98FE1U\$>V=E.VB9W.<#1.M1|UNNO0490?>+3P1F=Z^2L1D.YY4.L\$8&G|1^Y8>@>+G\$1^MUIS.6^ID0.M.R1M^#E@A.@DL\$RRRT10%>@7V|>0>40|IN?>M^F1K|JDF.N2N^K+|SAAL0H01
MW%12+1.2R4JG8#H|LW17SMKX9\$44|H^Z2P1B1P+O\$B1+8H7L\$E\$H1^4%21 M.7BR.Z11@> M9SJZ2+R8H\$>OPEI.CU11^> &4N\$&@W22N8010?>1/APP7^1M1CM^110\$<
<^P1^1.M#P81T.ODP%2G1V.D.KUJ\$5+1C|H^1VYPPDBP8P51VZM@>@921K@>@NE1^1OD.2^%P561TY1^#2T1.O>9>2>UY1+90W^U.ZK.5 M|IR&CJIN|9B^ZA|UU\$1J6EO.WM^>NVK=O?>
W@M91LAW1.4CGFE.#2\$V6 M1U.TA2H86DQ&OE4A17SVEN9T\$1M9Q1M2X1Z3A.A1XW+V>\$05M1YH.L463\$5|8H\$>A\$9\$K.31|9ON.L1NBEW|
ME@5K3GU2P&1MR12=U\$J.BW.2=E>0%EI^G^1V17S6RGQJ|<8X|YXFE^G2^M8=(8.&6^0^<*>+Z#B^>A^Y^1L+B207X|M#1.OU^PD.M.MUZXG|D6^X.R&|2K|^118UM
Z7KCO4009I2@>1|9P9|MMY61T.L.6.T999.LMW.DQ0R^1.AKG6AR&EUR>=<C1L2P41L\$<61 HV|E9FOFCC^>41^C5\$&N.N.P|J|&+1^257CVO.LJ46P/L2.7819D.6T.M4EEK
A5U&M.7CD^\$X83^R&5\$Z60@L7B+1F831.8142 F71^C^C^>U&A^T^1^K&C|C2P41ZU|&S^1B7B12D.L1VU15%<=&61WX.28245\$9&8.WM1\$1P
K9KWKW|C\$9ARE|E\$.912QX1="<@>SLD8R|B|H^1FJW.20\$2XU19.6TV1N5H.MG.2.50\$02CG.TJ508R^M^D127MP7N.TH6VG|Q140P>UZ17Y7C^G1P.MDMV1\$F331|=#>A|>^C4V"?<
&1P1&Z8X\$P1\$E=F4L15YC^C2-R2911MU6K|01^CMJ.U\$>=<Q9M2M1L+H1^M201.M3Y1^#<=1+00M0^>136^43 AZU93J1.5MYEGE11&C^1Z.M51.47C7D."GL1
X\$G6R817P0XMY1M#@P.>+0AL6W>02XOH|IMXV0XNM.MB7M1U^1Z1M^X4>4<=>#CA1K186|<X^12 M1L1COTC9=8BL5F9.3.1H^#>0>.MBPA1.83%16?>2VY
X^1>^"FU310K0#5K\$5419101Q^1P?>=<OLD1P@>GB5= MI)=WMNAQTU4.6>0H8STM1+U\$+>K1^>DVN61=5L1J10U.M81Q19X1+<1886@AXPL13.14
M&S1\$S.O91PM.JOC\$S.L1W415PW.T@Q@5^G1ZXVIB1^M^G1FJOBXZ1L|KXVQO|M1^E7E1W=5\$>NX6R@IN.L4KN^1H1\$=9FC6D\$BVC800+6H.Q.XFY1^1SN30P1^6M9Y\$0910@>*MU194|OO&
HN.M>?>164T8"?1 USL1012&F^>1\$LS%<=<9JIB71Z.71HJZUTK>=>1OMO\$DR^GSV.MPA41WV+>S=OUW+1^5%6>BTGA0TAA^+17G8.#?7A@>N.NG^O=L^A^@1H2
MNV2P12D1HX\$>V5FK.7.836H|W4?2\$1.#JREXWZ11-R1MFAA@>IRPX6H1Z MP.PIRON761%O1%UG%U%>210DQ0H.c1GG75.3fC1O1^>?@>JAYWTD9>M^10Y<^\$T^|HPB=Z
=>=>R0X^5R&SF^>OY.M%Y1+UCHF|?#7.M1^>1AX|M&3&OZ^#|WYNS1Y^<@1.0SQ0@>0 IKES150626D#N^>1CN.TIR^MT9.#ML.D1D1.E^>N^O^1^>1^X.U.NU0^27F.OOAP.Y^1T10 M.Y3X?>0=|
(F1KW.TD.\$>210M7A2Y2M^ES91^%#T1^1K1^L1+>#7E76B11M?2^O1\$3^23\$AKP123.M2611C.C^774|6H^X1P^V213MY48U+|P1P31^O^40B.MDQ4?|
A1Y^>@02XWVTA9R|HOY< HOV#D3L^A^C1=VQ.CH&MOXV|""M1=7F10K|H>1>18N92C\$N\$5D8L^K2L7GK^L.V^C1X1X1CZT M1^8\$NNVH3S.OOQO0\$>1L^&KCY3|KM^N^NQ1
GOS|E=.06G1M12\$9AN.N.M3.Q01="WP81Z\$.P\$2CQO.NB M^\$8&1@>1P.C14H5=XFQ0^1\$1.2B@>C1.818^P9=5NFDP1QO2LO1O1UD0=>=<M1O^1^>#SNU21CQ^2T1^13K1+>XV4F7\$V5.M94
29924AVVRW9K10Q1.21^1FVGC&UW1WN5U\$C>URR%3 M20Z1?>V^\$R1K13L1F1=#@>CA>NK191&LP=WE/GF1\$P\$=BF^1C1XFP1\$C.G.MXC<@>KL\$15%Q1|1^1UD=MPWFNT13ULN1Y\$S!<
=<@>O\$U.CC.GG|JMXW3.M#Z1+M.O0NH.8\$218&+>+W3D7\$=1Y(D1V<+>U^4^>2-M.CRCQG.10O1<51^CN^Y^O?>MH#1A1R5.BVV.D2A^>0YZS1.CR\$1^1P1C1|(\$Z>FF<+>).1.UU71^LYM^M1\$+>
VY^%31.BNH+18^>1H1P2.NE1F1FW1ZT.B91.#<=>E\$&X.NJN127.P0.M2P.\$@>F4^3673231510^BAH.ID.X^1W.WJK&ULM5E.<1V1%OXKMC.R1M0E^1P1ODF=M1M|8F?>C91XB\$
M1^0D0P0\$>VOW^1<@>1012W.G7V41.HXU^1YXZ.WQOC1U15\$5&FEN.NHK<41^JSE.MN.GC\$5.21O@>1799FVW^C1L.WQ921P?>F1G93KBM131R1^NTO#6.M7U1?P0T.R81.ZOH1.7SN=1\$1X
M1M1N^B43110M2D1771B.2^U1+1X^O^W1+1Y^JREJYQK01.J25P146./GW.M1^>1J.EAV501.UPARW710W\$X91>1\$1^C21T=LG1NVED>2DOZWL02D1.M.A.OA.N.BJK
Z1>=>19V\$1L71Q1?1Z1X21?1F^OBL\$^>YD^\$<Q_L^1\$W5W4^OK.MDZ^#F6&G.G.051EOA=Q4\$5.2U6\$514EVU19PHM4X1@>C^1^YW^%31P2P13^>F1PH1P2^<3\$>H.MR.OBA2O&G.TR&XSN M>
(U.ZL1N41E\$60?>N136M^1&P6@>A010N@1H31HOR.80Z\$WEB278D.M^1\$51GWN4M2\$Q^ZHS21W\$R\$FE05G.5D&1V4H@UES.PBPHG1C1LVA1>011.MOL2^H^2>S5KNO^CSNK\$EN^
(JH1PS21H0Y^01.#1U1Y1511^1\$9C92M1+&M^1G1LO11.@>1P^H7B1Q1N1^>2075101>T^W1V.X1U1MA^M.P91^MR.S^<C^P33V.177N1=>=&BFDQ1\$>HU<1V=6
M1C2319EXN70.14N\$2Z09Z>=>=>H7N61610D1GR^471P^H20\$MOW<=>=>U6@1@>6\$>0 M1J1C0^B9\$W&1^161&M1FGR4<@>DTC1K<=>128U1C4@512W=OT>V=12GF.M.M2/^1IM
15.9\$V1.M1580^O1Z\$5="#1<0^02100THP\$11>W21C16=XRJ#P2\$D18^51@>OG.H.MA.19C2\$AP9ZEL01Z\$1.%21#7C\$>N+KM.1518^6C1O.V1^0DOVY2P1\$1Q.M16.M=O=5
-R7C%>0Y^>GNMGOV^>V.02G.9G6@11P1|AXR7121^Q1U1.C1J1O.M26>1^XPOU1PDPVA1BL1XR<X^C^>H8XW1^14X.X0\$151&GR%>.8GC7AC.MMQ@>0\$8\$KFY\$SA1^1&1@>10C.F1JW^W
809Y\$1%>W4EFG|G1L71\$>1@>M.MG2H^N1M2^OC180M@WD1LE^>D1\$H1G1=>R6^D1^1@1@1E\$>EAS.74K562.P.KM.M@1M.H@>1M^>0O0^2^SFTG3P1R6>8>P^5=(TZ8A
8^1G^<D\$>H8^<FKJ5.<8>1&CEV.M^ZXW1Y^PRK161H1H0\$WG2=Y1^Y1O1D=P2A21^1J310U1VTC151C1X1P1?P1O.L7%>E.M^4XP0\$A^1C.M.OV\$<^2T24.GXU^T8<1N^H\$C&HE^1Z01?
-63VB1XG1FOO04ED<1@>1M1M1Q1\$>W26G62D.G\$<1\$F\$R.H.6.N^1Y272NA21^1K1.U31U61U.WHB15\$M3>2WRKF183@Z1H1^666T^N4A11J12^>2PV^O0M^>1AEC^N9OWU4Z&1TLG1V
M811^1A1E12B<=<101G^A12^>07\$>#T\$14^>VYE151M.12A=F=B55.^#21@>1D1?QX\$1M.G4T<=>@>S0.K9\$1.6^>F^>GN8P\$>Z.XF.X1W1^>=>R^>V^2X^1.OW^<C1B\$^7 M21VD.CH^1R4NWT^01^
F8Z.80LZ\$5.094N3C\$Y>072_PL^322X0\$>UX6<=>M41QV1L|KRF2BZC^&1\$W41@>F0HCL\$R<40>1^>F^>741TSG\$1U1UK@MAQ^M1L1O1\$>U^>U^>C7%?<
T82EVA80K1U\$R^%>=>160@L\$R^169Y9G223\$7\$>48DGV.MC^PIS1^<=>1\$>1H^2.P1P1INR^P6A1|QO1XV1^1<=>717LO1O\$2.M2X0O.C26F+K^1ZUO.C.GU3FH+1^1
(2Y1Q162P^6M1P181K24A10T\$1)=M.A=02P\$M1Y^>F436.#\$1&L1P^>#L1ID.IX^1W.WJK&ULM5E.<1V1%OXKMC.R1M0E^1P1ODF=M1M|8F?>C91XB\$
M1^0D0P0\$>VOW^1<@>1012W.G7V41.HXU^1YXZ.WQOC1U15\$5&FEN.NHK<41^JSE.MN.GC\$5.21O@>1799FVW^C1L.WQ921P?>F1G93KBM131R1^NTO#6.M7U1?P0T.R81.ZOH1.7SN=1\$1X
M1M1N^B43110M2D1771B.2^U1+1X^O^W1+1Y^JREJYQK01.J25P146./GW.M1^>1J.EAV501.UPARW710W\$X91>1\$1^C21T=LG1NVED>2DOZWL02D1.M.A.OA.N.BJK
Z1>=>19V\$1L71Q1?1Z1X21?1F^OBL\$^>YD^\$<Q_L^1\$W5W4^OK.MDZ^#F6&G.G.051EOA=Q4\$5.2U6\$514EVU19PHM4X1@>C^1^YW^%31P2P13^>F1PH1P2^<3\$>H.MR.OBA2O&G.TR&XSN M>
(U.ZL1N41E\$60?>N136M^1&P6@>A010N@1H31HOR.80Z\$WEB278D.M^1\$51GWN4M2\$Q^ZHS21W\$R\$FE05G.5D&1V4H@UES.PBPHG1C1LVA1>011.MOL2^H^2>S5KNO^CSNK\$EN^
(JH1PS21H0Y^01.#1U1Y1511^1\$9C92M1+&M^1G1LO11.@>1P^H7B1Q1N1^>2075101>T^W1V.X1U1MA^M.P91^MR.S^<C^P33V.177N1=>=&BFDQ1\$>HU<1V=6
M1C2319EXN70.14N\$2Z09Z>=>=>H7N61610D1GR^471P^H20\$MOW<=>=>U6@1@>6\$>0 M1J1C0^B9\$W&1^161&M1FGR4<@>DTC1K<=>128U1C4@512W=OT>V=12GF.M.M2/^1IM
15.9\$V1.M1580^O1Z\$5="#1<0^02100THP\$11>W21C16=XRJ#P2\$D18^51@>OG.H.MA.19C2\$AP9ZEL01Z\$1.%21#7C\$>N+KM.1518^6C1O.V1^0DOVY2P1\$1Q.M16.M=O=5
-R7C%>0Y^>GNMGOV^>V.02G.9G6@11P1|AXR7121^Q1U1.C1J1O.M26>1^XPOU1PDPVA1BL1XR<X^C^>H8XW1^14X.X0\$151&GR%>.8GC7AC.MMQ@>0\$8\$KFY\$SA1^1&1@>10C.F1JW^W
809Y\$1%>W4EFG|G1L71\$>1@>M.MG2H^N1M2^OC180M@WD1LE^>D1\$H1G1=>R6^D1^1@1@1E\$>EAS.74K562.P.KM.M@1M.H@>1M^>0O0^2^SFTG3P1R6>8>P^5=(TZ8A
8^1G^<D\$>H8^<FKJ5.<8>1&CEV.M^ZXW1Y^PRK161H1H0\$WG2=Y1^Y1O1D=P2A21^1J310U1VTC151C1X1P1?P1O.L7%>E.M^4XP0\$A^1C.M.OV\$<^2T24.GXU^T8<1N^H\$C&HE^1Z01?
-63VB1XG1FOO04ED<1@>1M1M1Q1\$>W26G62D.G\$<1\$F\$R.H.6.N^1Y272NA21^1K1.U31U61U.WHB15\$M3>2WRKF183@Z1H1^666T^N4A11J12^>2PV^O0M^>1AEC^N9OWU4Z&1TLG1V
M811^1A1E12B<=<101G^A12^>07\$>#T\$14^>VYE151M.12A=F=B55.^#21@>1D1?QX\$1M.G4T<=>@>S0.K9\$1.6^>F^>GN8P\$>Z.XF.X1W1^>=>R^>V^2X^1.OW^<C1B\$^7 M21VD.CH^1R4NWT^01^
F8Z.80LZ\$5.094N3C\$Y>072_PL^322X0\$>UX6<=>M41QV1L|KRF2BZC^&1\$W41@>F0HCL\$R<40>1^>F^>741TSG\$1U1UK@MAQ^M1L1O1\$>U^>U^>C7%?<
T82EVA80K1U\$R^%>=>160@L\$R^169Y9G223\$7\$>48DGV.MC^PIS1^<=>1\$>1H^2.P1P1INR^P6A1|QO1XV1^1<=>717LO1O\$2.M2X0O.C26F+K^1ZUO.C.GU3FH+1^1
(2Y1Q162P^6M1P181K24A10T\$1)=M.A=02P\$M1Y^>F436.#\$1&L1P^>#L1ID.IX^1W.WJK&ULM5E.<1V1%OXKMC.R1M0E^1P1ODF=M1M|8F?>C91XB\$
M1^0D0P0\$>VOW^1<@>1012W.G7V41.HXU^1YXZ.WQOC1U15\$5&FEN.NHK<41^JSE.MN.GC\$5.21O@>1799FVW^C1L.WQ921P?>F1G93KBM131R1^NTO#6.M7U1?P0T.R81.ZOH1.7SN=1\$1X
M1M1N^B43110M2D1771B.2^U1+1X^O^W1+1Y^JREJYQK01.J25P146./GW.M1^>1J.EAV501.UPARW710W\$X91>1\$1^C21T=LG1NVED>2DOZWL02D1.M.A.OA.N.BJK
Z1>=>19V\$1L71Q1?1Z1X21?1F^OBL\$^>YD^\$<Q_L^1\$W5W4^OK.MDZ^#F6&G.G.051EOA=Q4\$5.2U6\$514EVU19PHM4X1@>C^1^YW^%31P2P13^>F1PH1P2^<3\$>H.MR.OBA2O&G.TR&XSN M>
(U.ZL1N41E\$60?>N136M^1&P6@>A010N@1H31HOR.80Z\$WEB278D.M^1\$51GWN4M2\$Q^ZHS21W\$R\$FE05G.5D&1V4H@UES.PBPHG1C1LVA1>011.MOL2^H^2>S5KNO^CSNK\$EN^
(JH1PS21H0Y^01.#1U1Y1511^1\$9C92M1+&M^1G1LO11.@>1P^H7B1Q1N1^>2075101>T^W1V.X1U1MA^M.P91^MR.S^<C^P33V.177N1=>=&BFDQ1\$>HU<1V=6
M1C2319EXN70.14N\$2Z09Z>=>=>H7N61610D1GR^471P^H20\$MOW<=>=>U6@1@>6\$>0 M1J1C0^B9\$W&1^161&M1FGR4<@>DTC1K<=>128U1C4@512W=OT>V=12GF.M.M2/^1IM
15.9\$V1.M1580^O1Z\$5="#1<0^02100THP\$11>W21C16=XRJ#P2\$D18^51@>OG.H.MA.19C2\$AP9ZEL01Z\$1.%21#7C\$>N+KM.1518^6C1O.V1^0DOVY2P1\$1Q.M16.M=O=5
-R7C%>0Y^>GNMGOV^>V.02G.9G6@11P1|AXR7121^Q1U1.C1J1O.M26>1^XPOU1PDPVA1BL1XR<X^C^>H8XW1^14X.X0\$151&GR%>.8GC7AC.MMQ@>0\$8\$KFY\$SA1^1&1@>10C.F1JW^W
809Y\$1%>W4EFG|G1L71\$>1@>M.MG2H^N1M2^OC180M@WD1LE^>D1\$H1G1=>R6^D1^1@1@1E\$>EAS.74K562.P.KM.M@1M.H@>1M^>0O0^2^SFTG3P1R6>8>P^5=(TZ8A
8^1G^<D\$>H8^<FKJ5.<8>1&CEV.M^ZXW1Y^PRK161H1H0\$WG2=Y1^Y1O1D=P2A21^1J310U1VTC151C1X1P1?P1O.L7%>E.M^4XP0\$A^1C.M.OV\$<^2T24.GXU^T8<1N^H\$C&HE^1Z01?
-63VB1XG1FOO04ED<1@>1M1M1Q1\$>W26G62D.G\$<1\$F\$R.H.6.N^1Y272NA21^1K1.U31U61U.WHB15\$M3>2WRKF183@Z1H1^666T^N4A11J12^>2PV^O0M^>1AEC^N9OWU4Z&1TLG1V
M811^1A1E12B<=<101G^A12^>07\$>#T\$14^>VYE151M.12A=F=B55.^#21@>1D1?QX\$1M.G4T<=>@>S0.K9\$1.6^>F^>GN8P\$>Z.XF.X1W1^>=>R^>V^2X^1.OW^<C1B\$^7 M21VD.CH^1R4NWT^01^
F8Z.80LZ\$5.094N3C\$Y>072_PL^322X0\$>UX6<=>M41QV1L|KRF2BZC^&1\$W41@>F0HCL\$R<40>1^>F^>741TSG\$1U1UK@MAQ^M1L1O1\$>U^>U^>C7%?<
T82EVA80K1U\$R^%>=>160@L\$R^169Y9G223\$7\$>48DGV.MC^PIS1^<=>1\$>1H^2.P1P1INR^P6A1|QO1XV1^1<=>717LO1O\$2.M2X0O.C26F+K^1ZUO.C.GU3FH+1^1
(2Y1Q162P^6M1P181K24A10T\$1)=M.A=02P\$M1Y^>F436.#\$1&L1P^>#L1ID.IX^1W.WJK&ULM5E.<1V1%OXKMC.R1M0E^1P1ODF=M1M|8F?>C91XB\$
M1^0D0P0\$>VOW^1<@>1012W.G7V41.HXU^1YXZ.WQOC1U15\$5&FEN.NHK<41^JSE.MN.GC\$5.21O@>1799FVW^C1L.WQ921P?>F1G93KBM131R1^NTO#6.M7U1?P0T.R81.ZOH1.7SN=1\$1X
M1M1N^B43110M2D1771B.2^U1+1X^O^W1+1Y^JREJYQK01.J25P146./GW.M1^>1J.EAV501.UPARW710W\$X91>1\$1^C21T=LG1NVED>2DOZWL02D1.M.A.OA.N.BJK
Z1>=>19V\$1L71Q1?1Z1X21?1F^OBL\$^>YD^\$<Q_L^1\$W5W4^OK.MDZ^#F6&G.G.051EOA=Q4\$5.2U6\$514EVU19PHM4X1@>C^1^YW^%31P2P13^>F1PH1P2^<3\$>H.MR.OBA2O&G.TR&XSN M>
(U.ZL1N41E\$60?>N136M^1&P6@>A010N@1H31HOR.80Z\$WEB278D.M^1\$51GWN4M2\$Q^ZHS21W\$R\$FE05G.5D&1V4H@UES.PBPHG1C1LVA1>011.MOL2^H^2>S5KNO^CSNK\$EN^
(JH1PS21H0Y^01.#1U1Y1511^1\$9C92M1+&M^1G1LO11.@>1P^H7B1Q1N1^>2075101>T^W1V.X1U1MA^M.P91^MR.S^<C^P33V.177N1=>=&BFDQ1\$>HU<1V=6
M1C2319EXN70.14N\$2Z09Z>=>=>H7N61610D1GR^471P^H20\$MOW<=>=>U6@1@>6\$>0 M1J1C0^B9\$W&1^161&M1FGR4<@>DTC1K<=>128U1C4@512W=OT>V=12GF.M.M2/^1IM
15.9\$V1.M1580^O1Z\$5="#1<0^02100THP\$11>W21C16=XRJ#P2\$D18^51@>OG.H.MA.19C2\$AP9ZEL01Z\$1.%21#7C\$>N+KM.1518^6C1O.V1^0DOVY2P1\$1Q.M16.M=O=5
-R7C%>0Y^>GNMGOV^>V.02G.9G6@11P1|AXR7121^Q1U1.C1J1O.M26>1^XPOU1PDPVA1BL1XR<X^C^>H8XW1^14X.X0\$151&GR%>.8GC7AC.MMQ@>0\$8\$KFY\$SA1^1&1@>10C.F1JW^W
809Y\$1%>W4EFG|G1L71\$>1@>M.MG2H^N1M2^OC180M@WD1LE^>D1\$H1G1=>R6^D1^1@1@1E\$>EAS.74K562.P.KM.M@1M.H@>1M^>0O0^2^SFTG3P1R6>8>P^5=(TZ8A
8^1G^<D\$>H8^<FKJ5.<8>1&CEV.M^ZXW1Y^PRK161H1H0\$WG2=Y1^Y1O1D=P2A21^1J310U1VTC151C1X1P1?P1O.L7%>E.M^4XP0\$A^1C.M.OV\$<^2T24.GXU^T8<1N^H\$C&HE^1Z01?
-63VB1XG1FOO04ED<1@>1M1M1Q1\$>W26G62D.G\$<1\$F\$R.H.6.N^1Y272NA21^1K1.U31U61U.WHB15\$M3>2WRKF183@Z1H1^666T^N4A11J12^>2PV^O0M^>1AEC^N9OWU4Z&1TLG1V
M811^1A1E12B<=<101G^A12^>07\$>#T\$14^>VYE151M.12A=F=B55.^#21@>1D1?QX\$1M.G4T<=>@>S0.K9\$1.6^>F^>GN8P\$>Z.XF.X1W1^>=>R^>V^2X^1.OW^<C1B\$^7 M21VD.CH^1R4NWT^01^
F8Z.80LZ\$5.094N3C\$Y>072_PL^322X0\$>UX6

I0*5!A0F.B%>P<#I.B9.4^M=IT9JX&YL<|FKKLIv3<_8!MGZ2?T&H&B JP4|SR|70?CB*4UG.<X.M13WO1TN*01A.7_0RXX73CIG049+R0<H4HJZFA5E9.P7\$Q<C#W#LAU10 M<Y|>N%>I2P|SWAN.D^Q_H5|@>=>#*UWAH2L|=(6^K0#0%1ZZPD7>.<@*M_P=>X.UFUMPMJWUHL2KB+W6.UNI92N.O@+|F4W_U^H*^<41=,18|<=MH+FWL|P%R<+>#2?E.<PTSSG<5=>#>13B16|2|F5<FG1654&L#<H10<1=K=P>DUD<0%05WGPT<8D.9>+PQ>VIR.WH65TBTUJOC9FLX|T1M3VM&U7AS:HW72TX< >LSVQ@E<+Y4%F2>.<#>0126NCEX<Y7>7YN7NSNGC&MJE.M8,8M2VEN+U1WLPXBH<2>U>N>NHP<G<YXU<=>OVELU8P27>B19U05GNGE<OS@<\$.4J4|D<C^A?U^J5*>@HB.M|H<.<^#2|<B<X<Z<G<08=N8|<B17B1RM9|MX36<S<Y<K<=>M&Z&5U8?F.N<KX<T<1R<K&K2C|L<@>EKORG<1+T<P|QWB8|O<?M&FV(N?Y).MOGONZAN@<6HTB6+RKQ|G<F%22<X&W<O?> R<Q|MGZ<C<M61+Q3D<_8R3<M6UN.YY<=>C|H&BLRR0<DDP.D2X2|KRNWL>|UE.ME|9<N3?H&F<Y|Y<?H|<M?E^E^Q|D<HVB3|<LV?S|E>ND|>D^2YPOK3|PBW<N\$<3&K<IG0<RU#8R4R<M\$<O6F6MU|+O#>.%T|P|L<|@<^J^<25|XDN9<AKYXGWN^5ADM<@<R|<E.MLL^<45.S>+H44ZZZTF5>>KY\$V^<1=|P<=>@>B7@4>=>1.M+A91.DW<IVK<2ASHE|OT.E86&XED6KQ&2O&E<TCG\$F<@K0<=975|<+<9&S<MR2B>=&?>=FOQ&B163TM|F|9V<S>O<.>Q<=>4L9&8RHW+M1|@%5|<QO|B<M8#>.<Q^O|L<H77B2>>MODQ<K<EGR^W&E<F<F<K<2>S<X<=>.<ST|ZG|<QHY|PXH<M|L<5|<QJ2HE<.<0|A?3>.<#>^74.5<_H4A1|04Y6<00ENCG<Y6<AM9<.<O.M&.<I&4&6<N.D&K<O@<?<W12<N<8&9W3|R7S<IC|Y|YOC<3D42+V8PN9R2<9E<=>MG|O<F|E|O1<?<H7M4.19<=>8M2.P?>.*97C<#<0.9|DW8<5<3UD<L0<X7P<=>MH0X&5.VN|D<83P<OUMZ|<PE|V6|<M%<S<U|H0|LT|NEO<MV<1K|Q<=>VGPD<+|WN4|<N0401W<A<=>5M1&K<*>=>6C|PAV6|GMS|<E|P<MCGZ<?<U<R1\$|N7Z<=>|4G&5145>>SVK74<VY.M%M|D4H&G<F<U|U6<.<65<^17&.<O.MY<M|U%<HZ1<|<6W&S<6|G|R<E<F&U4|<W&D<H1.G|<O<H?<1<=>6.MJU<=<H<VW&A32|K|6H|4D|<@<9L<.<6&2H<1+!<^L<@80R<=>GD<4<^6=>#<S<=>MXS07<DLOY|T<R<?<H<U<S|K<F<FUDL|H<E<K&MW&?<3RG<H<K<T<U<Y<1=|P<#3B%<MGN|E<?P<E<?<?<7|<9U9|U421<2PX&B2<Z<F<#5%<Z8W&M|PNZ0<17|+<_9|<M<GN&XD<G&F&S<R<E1G&V8161\$<8&S6Y<=>?>75|Z<X<X<?<C&Z<S|<L1A4G<FA|E.M8|<@<C<K<=>|<K<=>U<U9<260L&S<MGG\$V<?>=>ADK9<W&NMR|PSV|+<H<D<|J6TH<M<=<1&7L|A7MP.W<SHU|1121#&=>B.G<M\$SY<89Y1^03W<.<07|@<@<#Z<=>F&S3QV|MB|K|8|<@<H|<=>\$S\$D|H75|<O=>M|H2<=<f<E.OLEK2N^T23|O6<0<L<95V<V|TP|VXN+AX<_|B>=>G<(T<=<H|<M<=>YLR.YR|HRT0>>?02UW|N<?<N@+<D02SRNS<P<@<1<BZM0<=>?01X9V|VTX<M6<1|<E<N|V<2<2^0F5H<=>?01N6?<2<O2%51=>P<=>05?J16<@0V|H<MU<R<=<+<14KVG|I|NWD&E<?>5006<2U|F4|Q4<CP@<=<KZ8>=>2HPH7D8>B&3N<M<1|<F<1=|O5|JW<=>|<E|ZAB?<4WPUX500Q|ERBE<=>SAE3<5|V85%#N4|D|TC1<P<=>MCY<?<F|MS<5<Q1CC<YF|S&N<=>@<N06<S<KY|MU|PN<6&82|01D<=>@9P<C&R<MU|Y<S2|H|Q<D<Q<D<L<JZV|E<=>=>P<P<W<AXN|S0|<C<S.TBD<1>A<A5<K&P&R|REF|KQ<^<15<1<W|U^2F2Z9>5A?<6&H|P2#<1|G|<1<M|H<W<AD<=>1&2<1|H|WCM7<2<@N06<S<KY|MU|PN<6&82|01D<=>@9P<C&R<MU|Y<S2|H|Q<D<Q<D<L<JZV|E<=>=>P<P<W<AXN|S0|<C<S.TBD<1>A<A5<K&P&R|REF|KQ<^<15<1<W|U^2F2Z9>5A?<6&H|P2#<1|G|<1<M|H<W<AD<=>1&2<1|H|WCM7<2<@N06<S<KY|MU|PN<6&82|01D<=>@9P<C&R<MU|Y<S2|H|Q<D<Q<D<L<JZV|E<=>=>P<P<W<AXN|S0|<C<S.TBD<1>A<A5<K&P&R|REF|KQ<^<15<1<W|U^2F2Z9>5A?<6&H|P2#<1|G|<1<M|H<W<AD<=>1&2<1|H|WCM7<2<@N06<S<KY|MU|PN<6&82|01D<=>@9P<C&R<MU|Y<S2|H|Q<D<Q<D<L<JZV|E<=>=>P<P<W<AXN|S0|<C<S.TBD<1>A<A5<K&P&R|REF|KQ<^<15<1<W|U^2F2Z9>5A?<6&H|P2#<1|G|<1<M|H<W<AD<=>1&2<1|H|WCM7<2<@N06<S<KY|MU|PN<6&82|01D<=>@9P<C&R<MU|Y<S2|H|Q<D<Q<D<L<JZV|E<=>=>P<P<W<AXN|S0|<C<S.TBD<1>A<A5<K&P&R|REF|KQ<^<15<1<W|U^2F2Z9>5A?<6&H|P2#<1|G|<1<M|H<W<AD<=>1&2<1|H|WCM7<2<@N06<S<KY|MU|PN<6&82|01D<=>@9P<C&R<MU|Y<S2|H|Q<D<Q<D<L<JZV|E<=>=>P<P<W<AXN|S0|<C<S.TBD<1>A<A5<K&P&R|REF|KQ<^<15<1<W|U^2F2Z9>5A?<6&H|P2#<1|G|<1<M|H<W<AD<=>1&2<1|H|WCM7<2<@N06<S<KY|MU|PN<6&82|01D<=>@9P<C&R<MU|Y<S2|H|Q<D<Q<D<L<JZV|E<=>=>P<P<W<AXN|S0|<C<S.TBD<1>A<A5<K&P&R|REF|KQ<^<15<1<W|U^2F2Z9>5A?<6&H|P2#<1|G|<1<M|H<W<AD<=>1&2<1|H|WCM7<2<@N06<S<KY|MU|PN<6&82|01D<=>@9P<C&R<MU|Y<S2|H|Q<D<Q<D<L<JZV|E<=>=>P<P<W<AXN|S0|<C<S.TBD<1>A<A5<K&P&R|REF|KQ<^<15<1<W|U^2F2Z9>5A?<6&H|P2#<1|G|<1<M|H<W<AD<=>1&2<1|H|WCM7<2<@N06<S<KY|MU|PN<6&82|01D<=>@9P<C&R<MU|Y<S2|H|Q<D<Q<D<L<JZV|E<=>=>P<P<W<AXN|S0|<C<S.TBD<1>A<A5<K&P&R|REF|KQ<^<15<1<W|U^2F2Z9>5A?<6&H|P2#<1|G|<1<M|H<W<AD<=>1&2<1|H|WCM7<2<@N06<S<KY|MU|PN<6&82|01D<=>@9P<C&R<MU|Y<S2|H|Q<D<Q<D<L<JZV|E<=>=>P<P<W<AXN|S0|<C<S.TBD<1>A<A5<K&P&R|REF|KQ<^<15<1<W|U^2F2Z9>5A?<6&H|P2#<1|G|<1<M|H<W<AD<=>1&2<1|H|WCM7<2<@N06<S<KY|MU|PN<6&82|01D<=>@9P<C&R<MU|Y<S2|H|Q<D<Q<D<L<JZV|E<=>=>P<P<W<AXN|S0|<C<S.TBD<1>A<A5<K&P&R|REF|KQ<^<15<1<W|U^2F2Z9>5A?<6&H|P2#<1|G|<1<M|H<W<AD<=>1&2<1|H|WCM7<2<@N06<S<KY|MU|PN<6&82|01D<=>@9P<C&R<MU|Y<S2|H|Q<D<Q<D<L<JZV|E<=>=>P<P<W<AXN|S0|<C<S.TBD<1>A<A5<K&P&R|REF|KQ<^<15<1<W|U^2F2Z9>5A?<6&H|P2#<1|G|<1<M|H<W<AD<=>1&2<1|H|WCM7<2<@N06<S<KY|MU|PN<6&82|01D<=>@9P<C&R<MU|Y<S2|H|Q<D<Q<D<L<JZV|E<=>=>P<P<W<AXN|S0|<C<S.TBD<1>A<A5<K&P&R|REF|KQ<^<15<1<W|U^2F2Z9>5A?<6&H|P2#<1|G|<1<M|H<W<AD<=>1&2<1|H|WCM7<2<@N06<S<KY|MU|PN<6&82|01D<=>@9P<C&R<MU|Y<S2|H|Q<D<Q<D<L<JZV|E<=>=>P<P<W<AXN|S0|<C<S.TBD<1>A<A5<K&P&R|REF|KQ<^<15<1<W|U^2F2Z9>5A?<6&H|P2#<1|G|<1<M|H<W<AD<=>1&2<1|H|WCM7<2<@N06<S<KY|MU|PN<6&82|01D<=>@9P<C&R<MU|Y<S2|H|Q<D<Q<D<L<JZV|E<=>=>P<P<W<AXN|S0|<C<S.TBD<1>A<A5<K&P&R|REF|KQ<^<15<1<W|U^2F2Z9>5A?<6&H|P2#<1|G|<1<M|H<W<AD<=>1&2<1|H|WCM7<2<@N06<S<KY|MU|PN<6&82|01D<=>@9P<C&R<MU|Y<S2|H|Q<D<Q<D<L<JZV|E<=>=>P<P<W<AXN|S0|<C<S.TBD<1>A<A5<K&P&R|REF|KQ<^<15<1<W|U^2F2Z9>5A?<6&H|P2#<1|G|<1<M|H<W<AD<=>1&2<1|H|WCM7<2<@N06<S<KY|MU|PN<6&82|01D<=>@9P<C&R<MU|Y<S2|H|Q<D<Q<D<L<JZV|E<=>=>P<P<W<AXN|S0|<C<S.TBD<1>A<A5<K&P&R|REF|KQ<^<15<1<W|U^2F2Z9>5A?<6&H|P2#<1|G|<1<M|H<W<AD<=>1&2<1|H|WCM7<2<@N06<S<KY|MU|PN<6&82|01D<=>@9P<C&R<MU|Y<S2|H|Q<D<Q<D<L<JZV|E<=>=>P<P<W<AXN|S0|<C<S.TBD<1>A<A5<K&P&R|REF|KQ<^<15<1<W|U^2F2Z9>5A?<6&H|P2#<1|G|<1<M|H<W<AD<=>1&2<1|H|WCM7<2<@N06<S<KY|MU|PN<6&82|01D<=>@9P<C&R<MU|Y<S2|H|Q<D<Q<D<L<JZV|E<=>=>P<P<W<AXN|S0|<C<S.TBD<1>A<A5<K&P&R|REF|KQ<^<15<1<W|U^2F2Z9>5A?<6&H|P2#<1|G|<1<M|H<W<AD<=>1&2<1|H|WCM7<2<@N06<S<KY|MU|PN<6&82|01D<=>@9P<C&R<MU|Y<S2|H|Q<D<Q<D<L<JZV|E<=>=>P<P<W<AXN|S0|<C<S.TBD<1>A<A5<K&P&R|REF|KQ<^<15<1<W|U^2F2Z9>5A?<6&H|P2#<1|G|<1<M|H<W<AD<=>1&2<1|H|WCM7<2<@N06<S<KY|MU|PN<6&82|01D<=>@9P<C&R<MU|Y<S2|H|Q<D<Q<D<L<JZV|E<=>=>P<P<W<AXN|S0|<C<S.TBD<1>A<A5<K&P&R|REF|KQ<^<15<1<W|U^2F2Z9>5A?<6&H|P2#<1|G|<1<M|H<W<AD<=>1&2<1|H|WCM7<2<@N06<S<KY|MU|PN<6&82|01D<=>@9P<C&R<MU|Y<S2|H|Q<D<Q<D<L<JZV|E<=>=>P<P<W<AXN|S0|<C<S.TBD<1>A<A5<K&P&R|REF|KQ<^<15<1<W|U^2F2Z9>5A?<6&H|P2#<1|G|<1<M|H<W<AD<=>1&2<1|H|WCM7<2<@N06<S<KY|MU|PN<6&82|01D<=>@9P<C&R<MU|Y<S2|H|Q<D<Q<D<L<JZV|E<=>=>P<P<W<AXN|S0|<C<S.TBD<1>A<A5<K&P&R|REF|KQ<^<15<1<W|U^2F2Z9>5A?<6&H|P2#<1|G|<1<M|H<W<AD<=>1&2<1|H|WCM7<2<@N06<S<KY|MU|PN<6&82|01D<=>@9P<C&R<MU|Y<S2|H|Q<D<Q<D<L<JZV|E<=>=>P<P<W<AXN|S0|<C<S.TBD<1>A<A5<K&P&R|REF|KQ<^<15<1<W|U^2F2Z9>5A?<6&H|P2#<1|G|<1<M|H<W<AD<=>1&2<1|H|WCM7<2<@N06<S<KY|MU|PN<6&82|01D<=>@9P<C&R<MU|Y<S2|H|Q<D<Q<D<L<JZV|E<=>=>P<P<W<AXN|S0|<C<S.TBD<1>A<A5<K&P&R|REF|KQ<^<15<1<W|U^2F2Z9>5A?<6&H|P2#<1|G|<1<M|H<W<AD<=>1&2<1|H|WCM7<2<@N06<S<KY|MU|PN<6&82|01D<=>@9P<C&R<MU|Y<S2|H|Q<D<Q<D<L<JZV|E<=>=>P<P<W<AXN|S0|<C<S.TBD<1>A<A5<K&P&R|REF|KQ<^<15<1<W|U^2F2Z9>5A?<6&H|P2#<1|G|<1<M|H<W<AD<=>1&2<1|H|WCM7<2<@N06<S<KY|MU|PN<6&82|01D<=>@9P<C&R<MU|Y<S2|H|Q<D<Q<D<L<JZV|E<=>=>P<P<W<AXN|S0|<C<S.TBD<1>A<A5<K&P&R|REF|KQ<^<15<1<W|U^2F2Z9>5A?<6&H|P2#<1|G|<1<M|H<W<AD<=>1&2<1|H|WCM7<2<@N06<S<KY|MU|PN<6&82|01D<=>@9P<C&R<MU|Y<S2|H|Q<D<Q<D<L<JZV|E<=>=>P<P<W<AXN|S0|<C<S.TBD<1>A<A5<K&P&R|REF|KQ<^<15<1<W|U^2F2Z9>5A?<6&H|P2#<1|G|<1<M|H<W<AD<=>1&2<1|H|WCM7<2<@N06<S<KY|MU|PN<6&82|01D<=>@9P<C&R<MU|Y<S2|H|Q<D<Q<D<L<JZV|E<=>=>P<P<W<AXN|S0|<C<S.TBD<1>A<A5<K&P&R|REF|KQ<^<15<1<W|U^2F2Z9>5A?<6&H|P2#<1|G|<1<M|H<W<AD<=>1&2<1|H|WCM7<2<@N06<S<KY|MU|PN<6&82|01D<=>@9P<C&R<MU|Y<S2|H|Q<D<Q<D<L<JZV|E<=>=>P<P<W<AXN|S0|<C<S.TBD<1>A<A5<K&P&R|REF|KQ<^<15<1<W|U^2F2Z9>5A?<6&H|P2#<1|G|<1<M|H<W<AD<=>1&2<1|H|WCM7<2<@N06<S<KY|MU|PN<6&82|01D<=>@9P<C&R<MU|Y<S2|H|Q<D<Q<D<L<JZV|E<=>=>P<P<W<AXN|S0|<C<S.TBD<1>A<A5<K&P&R|REF|KQ<^<15<1<W|U^2F2Z9>5A?<6&H|P2#<1|G|<1<M|H<W<AD<=>1&2<1|H|WCM7<2<@N06<S<KY|MU|PN<6&82|01D<=>@9P<C&R<MU|Y<S2|H|Q<D<Q<D<L<JZV|E<=>=>P<P<W<AXN|S0|<C<S.TBD<1>A<A5<K&P&R|REF|KQ<^<15<1<W|U^2F2Z9>5A?<6&H|P2#<1|G|<1<M|H<W<AD<=>1&2<1|H|WCM7<2<@N06<S<KY|MU|PN<6&82|01D<=>@9P<C&R<MU|Y<S2|H|Q<D<Q<D<L<JZV|E<=>=>P<P<W<AXN|S0|<C<S.TBD<1>A<A5<K&P&R|REF|KQ<^<15<1<W|U^2F2Z9>5A?<6&H|P2#<1|G|<1<M|H<W<AD<=>1&2<1|H|WCM7<2<@N06<S<KY|MU|PN<6&82|01D<=>@9P<C&R<MU|Y<S2|H|Q<D<Q<D<L<JZV|E<=>=>P<P<W<AXN|S0|<C<S.TBD<1>A<A5<K&P&R|REF|KQ<^<15<1<W|U^2F2Z9>5A?<6&H|P2#<1|G|<1<M|H<W<AD<=>1&2<1|H|WCM7<2<@N06<S<KY|MU|PN<6&82|01D<=>@9P<C&R<MU|Y<S2|H|Q<D<Q<D<L<JZV|E<=>=>P<P<W<AXN|S0|<C<S.TBD<1>A<A5<K&P&R|REF|KQ<^<15<1<W|U^2F2Z9>5A?<6&H|P2#<1|G|<1<M|H<W<AD<=>1&2<1|H|WCM7<2<@N06<S<KY|MU|PN<6&82|01D<=>@9P<C&R<MU|Y<S2|H|Q<D<Q<D<L<JZV|E<=>=>P<P<W<AXN|S0|<C<S.TBD<1>A<A5<K&P&R|REF|KQ<^<15<1<W|U^2F2Z9>5A?<6&H|P2#<1|G|<1<M|H<W<AD<=>1&2<1|H|WCM7<2<@N06<S<KY|MU|PN<6&82|01D<=>@9P<C&R<MU|Y<S2|H|Q<D<Q<D<L<JZV|E<=>=>P<P<W<AXN|S0|<C<S.TBD<1>A<A5<K&P&R|REF|KQ<^<15<1<W|U^2F2Z9>5A?<6&H|P2#<1|G|<1<M|H<W<AD<=>1&2<1|H|WCM7<2<@N06<S<KY|MU|PN<6&82|01D<=>@9P<C&R<MU|Y<S2|H|Q<D<Q<D<L<JZV|E<=>=>P<P<W<AXN|S0|<C<S.TBD<1>A<A5<K&P&R|REF|KQ<^<15<1<W|U^2F2Z9>5A?<6&H|P2#<1|G|<1<M|H<W<AD<=>1&2<1|H|WCM7<2<@N06<S<KY|MU|PN<6&82|01D<=>@9P<C&R<MU|Y<S2|H|Q<D<Q<D<L<JZV|E<=>=>P<P<W<AXN|S0|<C<S.TBD<1>A<A5<K&P&R|REF|KQ<^<15<1<W|U^2F2Z9>5A?<6&H|P2#<1|G|<1<M|H<W<AD<=>1&2<1|H|WCM7<2<@N06<S<KY|MU|PN<6&82|01D<=>@9P<C&R<MU|Y<S2|H|Q<D<Q<D<L<JZV|E<=>=>P<P<W<AXN|S0|<C<S.TBD<1>A<A5<K&P&R|REF|KQ<^<15<1<W|U^2F2Z9>5A?<6&H|P2#<1|G|<1<M|H<W<AD<=>1&2<1|H|WCM7<2<@N06<S<KY|MU|PN<6&82|01D<=>@9P<C&R<MU|Y<S2|H|Q<D<Q<D<L<JZV|E<=>=>P<P<W<AXN|S0|<C<S.TBD<1>A<A5<K&P&R|REF|KQ<^<15<1<W|U^2F2Z9>5A?<6&H|P2#<1|G|<1<M|H<W<AD<=>1&2<1|H|WCM7<2<@N06<S<KY|MU|PN<6&82|01D<=>@9P<C&R<MU|Y<S2|H|Q<D<Q<D<L<JZV|E<=>=>P<P<W<AXN|S0|<C<S.TBD<1>A<A5<K&P&R|REF|KQ<^<15<1<W|U^2F2Z9>5A?<6&H|P2#<1|G|<1<M|H<W<AD<=>1&2<1|H|WCM7<2<@N06<S<KY|MU|PN<6&82|01D<=>@9P<C&R<MU|Y<S2|H|Q<D<Q<D<L<JZV|E<=>=>P<P<W<AXN|S0|<C<S.TBD<1>A<A5<K&P&R|REF|KQ<^<15<1<W|U^2F2Z9>5A?<6&H|P2#<1|G|<1<M|H<W<AD<=>1&2<1|H|WCM7<2<@N06<S<KY|MU|PN<6&82|01D<=>@9P<C&R<MU|Y<S2|H|Q<D<Q<D<L<JZV|E<=>=>P<P<W<AXN|S0|<C<S.TBD<1>A<A5<K&P&R|REF|KQ<^<15<1<W|U^2F2Z9>5A?<6&H|P2#<1|G|<1<M|H<W<AD<=>1&2<1|H|WCM7<2<@N06<S<KY|MU|PN<6&82|01D<=>@9P<C&R<MU|Y<S2|H|Q<D<Q<D<L<JZV|E<=>=>P<P<W<AXN|S0|<C<S.TBD<1>A<A5<K&P&R|REF|KQ<^<15<1<W|U^2F2Z9>5A?<6&H|P2#<1|G|<1<M|H<W<AD<=>1&2<1|H|WCM7<2<@N06<S<KY|MU|PN<6&82|01D<=>@9P<C&R<MU|Y<S2|H|Q<D<Q<D<L<JZV|E<=>=>P<P<W<AXN|S0|<C<S.TBD<1>A<A5<K&P&R|REF|KQ<^<15<1<W|U^2F2Z9>5A?<6&H|P2#<1|G|<1<M|H<W<AD<=>1&2<1|H|WCM7<2<@N06<S<KY|MU|PN<6&82|01D<=>@9P<C&R<MU|Y<S2|H|Q<D<Q<D<L<JZV|E<=>=>P<P<W<AXN|S0|<C<S.TBD<1>A<A5&lt

[illegible]

2-BBMOBWHT)TSUW-RZQJ=JL MO4-LH52G2JH5K<=>RK-W3X<=>JB<=>WZ<=>AO<=>AY<=>EO<=>AVN<=>JS<=>K5<=>8/6H<=>VG4<=>1.UU<=>)>#Q\$5D@H<=>#YX9-ZB47-H
M#2Z\$5<=>4JL<=>S(NLGM)<=>H6<=>JL3<=>E5L0<=>MT<=>MA59.0R9HJH<=>2<=>VEN<=>L FEWZBE<=>1<=>J<=>W4L6<=>1<=>MWPUV<=>Z<=>T.OBN&GDD<=>MV<=>EJSY8JY<=>Y<=>Z<=>B&T<=>0<=>3<=>MM<=>@OU<=>H5
C#3+=>M7<=>HINY<=>@<=>7+&&MT<=>(KQ9TH<=>(DI5N<=>(T<=>HZ<=>OBF<=>(U<=>TRHZC<=>I<=>GRRPF<=>7<=>H16<=>36<=>K<=>TK<=>(D<=>MDY5<=>BE<=>#>)>L7<=>H<=>SSJ<=>@<=>6<=>+>7Z<=>L<=>8<=>+<=>29BD<=>O\$>?<=>1<=>2<=>Q<=>
=>TK<=>A<=>MPT<=>I<=>G7W2M2D<=>M<=>#2<=>M<=>J<=>B5<=>#<=>#<=>4<=>15DKP<=>^Y>J>G3<=>=>#<=>1<=>#<=>5<=>7<=>#<=>D8<=>@<=>Y<=>M1R2<=>6<=>7S<=>(OY50<=>C1C1X<=>G<=>+<=>38<=>R3<=>1<=>U<=>G8Y<=>FD<=>K1B5<=>3<=>L<=>M<=>(Y9K<=>NC
M<=>UB115<=>CNB4PPDP7<=>(2S9YK<=>N55<=>6<=>M<=>JR26NH9IMMXOW<=>+>I<=>VOO<=>E<=>MZ1566U49D<=>W<=>624H<=>6<=>Y<=>Y2Y2<=>5<=>EMMRN<=>Q<=>4V<=>1<=>6<=>M<=>
-6<=>S66\$<=>5<=>L75<=>K<=>XKQ1PKNXQUMVY1<=>2<=>SNQO<=>03<=>I56G<=>6<=>TH<=>C<=>R762<=>MD2Q1<=>C687<=>+>ISN<=>I598<=>G<=>A<=>E<=>D05<=>H<=>K<=>ZB<=>39<=>J1T12P2FDHF<=>H1<=>3<=>77G
MOKL<=>#1D<=>P<=>Q1ONA<=>APCR<=>SGZ<=>DIOXN<=>M<=>S<=>L1L<=>S<=>W<=>ORAX<=>H<=>P9J1<=>)>M<=>SK2SOZ<=>+>L<=>B10<=>8<=>I<=>Q<=>F<=>E1<=>A<=>J<=>R06R<=>Q<=>J<=>C<=>B<=>K<=>K<=>S2<=>+>I<=>M<=>X<=>S<=>
MR<=>POVI2VO0Z<=>UE<=>)>H<=>R1<=>+>Y<=>PM<=>A<=>GDLB<=>#AKTAR<=>TP<=>4<=>#W<=>G<=>@<=>I<=>U<=>H<=>X<=>=<=>8<=>#<=>MC<=>#H<=>T<=>1<=>#<=>8<=>V<=>R1<=>16SOI<=>3EQ<=>#<=>E<=>96<=>#<=>E<=>F<=>M6O<=>#<=>4A<=>HCRK3<=>MOS<=>+>3DT<=>L12D<=>S2<=>10<=>?<=>
X6<=>Q<=>1<=>H<=>#<=>MKTSA<=>N<=>X<=>K<=>H<=>NC<=>1<=>L<=>Y<=>UG90<=>1V5<=>H<=>Z<=>7<=>FH<=>P<=>R<=>U<=>D<=>8<=>S<=>W<=>F<=>+>4<=>M<=>H<=>ZR<=>#1<=>W<=>T<=>G<=>Z<=>+>#<=>4<=>I<=>M<=>SO<=>9<=>B<=>+>1<=>+>6<=>F<=>B<=>Z<=>A<=>Y<=>F<=>C<=>T<=>F<=>Z<=>S<=>L<=>M<=>L<=>
Q<=>1<=>I<=>SR1B<=>MY<=>T<=>3<=>NB<=>G<=>Q<=>+>2<=>+>1<=>#<=>G<=>JH<=>W4<=>Z<=>M<=>R<=>FJ49<=>+>6<=>(J<=>T<=>+<=>I<=>S<=>#5<=>6G<=>6C<=>2<=>GND<=>+>Y<=>L4<=>S<=>F<=>O<=>X<=>H<=>D<=>Z<=>SK<=>Y<=>B<=>
MDDU<=>7<=>UL2A<=>P2<=>(A1<=>IS<=>8Y<=>4D<=>ZB<=>M<=>TFH<=>E<=>K<=>X<=>@<=>Q142<=>+<=>S<=>X<=>A<=>M<=>C<=>I<=>T<=>+>Q<=>G<=>Q<=>K<=>8V0Y<=>L<=>MFU<=>L<=>K<=>Z<=>Q<=>N9<=>N<=>SH9<=>+>W<=>X<=>H<=>B<=>1<=>ACE<=>F<=>M<=>
>>>A1<=>S<=>T<=>V2<=>D<=>U<=>M<=>W<=>OX9<=>K<=>H<=>K<=>H<=>P<=>D<=>K<=>E<=>K<=>X<=>Z<=>C<=>G<=>T<=>H<=>102<=>+<=>L5<=>Q<=>O<=>M<=>DN<=>K<=>+<=>K<=>A<=>+<=>B<=>10B<=>P<=>F<=>L<=>+<=>X<=>G<=>+<=>O<=>9<=>M<=>+<=>R<=>9H<=>G<=>H<=>E<=>3<=>H<=>45<=>F<=>E<=>V2<=>Q<=>D<=>2<=>K<=>H<=>T<=>
MXF<=>5<=>1<=>Y<=>M2<=>S<=>NSU<=>@<=>W<=>S<=>Y<=>1<=>U<=>+<=>O1<=>4<=>C<=>Q<=>S<=>#<=>B<=>V<=>D<=>T<=>+<=>I<=>J<=>O<=>+<=>H<=>J<=>3<=>J9Y<=>K<=>J<=>5<=>M<=>S<=>T<=>Y<=>C<=>S<=>N<=>I<=>N<=>2<=>Z<=>3<=>C<=>I<=>C<=>D9<=>6<=>#<=>#<=>M<=>N<=>V<=>#<=>I<=>A<=>I<=>Y<=>A<=>M<=>O<=>U<=>K<=>U<=>+<=>170<=>M<=>1<=>F<=>H<=>E<=>D<=>Z<=>+<=>
G<=>+<=>9<=>H<=>R<=>H<=>1<=>Y<=>B<=>D<=>M<=>Q<=>78<=>C<=>@<=>U<=>F<=>+<=>39<=>M<=>U<=>E<=>W<=>A<=>B<=>H<=>J<=>O<=>J<=>Z<=>T<=>+<=>1<=>A<=>Y<=>P<=>U<=&

[illegible]

[illegible]

[Statements 5 false false R6.htm 9952154 - Statement - Consolidated Balance Sheets \(Parenthetical\) Sheet http://www.hpe.com/role/ConsolidatedBalanceSheetsParenthetical](#)
[Consolidated Balance Sheets \(Parenthetical\) Statements 6 false false R7.htm 9952155 - Statement - Consolidated Statements of Cash Flows Sheet](#)
[http://www.hpe.com/role/ConsolidatedStatementsofCashFlows Consolidated Statements of Cash Flows Statements 7 false false R8.htm 9952156 - Statement - Consolidated](#)
[Statements of Cash Flows \(Parenthetical\) Sheet http://www.hpe.com/role/ConsolidatedStatementsofCashFlowsParenthetical Consolidated Statements of Cash Flows](#)
[\(Parenthetical\) Statements 8 false false R9.htm 9952157 - Statement - Consolidated Statements of Stockholders' Equity Sheet](#)
[http://www.hpe.com/role/ConsolidatedStatementsofStockholdersEquity Consolidated Statements of Stockholders' Equity Statements 9 false false R10.htm 9952158 - Statement](#)
[- Consolidated Statements of Stockholders' Equity \(Parenthetical\) Sheet http://www.hpe.com/role/ConsolidatedStatementsofStockholdersEquityParenthetical Consolidated](#)
[Statements of Stockholders' Equity \(Parenthetical\) Statements 10 false false R11.htm 9952159 - Disclosure - Overview and Summary of Significant Accounting Policies Sheet](#)
[http://www.hpe.com/role/OverviewandSummaryofSignificantAccountingPolicies Overview and Summary of Significant Accounting Policies Notes 11 false false R12.htm](#)
[9952160 - Disclosure - Segment Information Sheet http://www.hpe.com/role/SegmentInformation Segment Information Notes 12 false false R13.htm 9952161 - Disclosure -](#)
[Transformation Programs Sheet http://www.hpe.com/role/TransformationPrograms Transformation Programs Notes 13 false false R14.htm 9952162 - Disclosure - Retirement](#)
[and Post-Retirement Benefit Plans Sheet http://www.hpe.com/role/RetirementandPostRetirementBenefitPlans Retirement and Post-Retirement Benefit Plans Notes 14 false](#)
[false R15.htm 9952163 - Disclosure - Stock-Based Compensation Sheet http://www.hpe.com/role/StockBasedCompensation Stock-Based Compensation Notes 15 false false](#)
[R16.htm 9952164 - Disclosure - Taxes on Earnings Sheet http://www.hpe.com/role/TaxesonEarnings Taxes on Earnings Notes 16 false false R17.htm 9952165 - Disclosure -](#)
[Balance Sheet Details Sheet http://www.hpe.com/role/BalanceSheetDetails Balance Sheet Details Notes 17 false false R18.htm 9952166 - Disclosure - Accounting for Leases as](#)
[a Lessee Sheet http://www.hpe.com/role/AccountingforLeasesasaLessee Accounting for Leases as a Lessee Notes 18 false false R19.htm 9952167 - Disclosure - Accounting for](#)
[Leases as a Lessor Sheet http://www.hpe.com/role/AccountingforLeasesasaLessor Accounting for Leases as a Lessor Notes 19 false false R20.htm 9952168 - Disclosure -](#)
[Acquisitions and Dispositions Sheet http://www.hpe.com/role/AcquisitionsandDispositions Acquisitions and Dispositions Notes 20 false false R21.htm 9952169 - Disclosure -](#)
[Goodwill and Intangible Assets Sheet http://www.hpe.com/role/GoodwillandIntangibleAssets Goodwill and Intangible Assets Notes 21 false false R22.htm 9952170 - Disclosure](#)
[- Fair Value Sheet http://www.hpe.com/role/FairValue Fair Value Notes 22 false false R23.htm 9952171 - Disclosure - Financial Instruments Sheet](#)
[http://www.hpe.com/role/FinancialInstruments Financial Instruments Notes 23 false false R24.htm 9952172 - Disclosure - Borrowings Sheet](#)
[http://www.hpe.com/role/Borrowings Borrowings Notes 24 false false R25.htm 9952173 - Disclosure - Stockholders' Equity Sheet http://www.hpe.com/role/StockholdersEquity](#)
[Stockholders' Equity Notes 25 false false R26.htm 9952174 - Disclosure - Net Earnings Per Share Sheet http://www.hpe.com/role/NetEarningsPerShare Net Earnings Per Share](#)
[Notes 26 false false R27.htm 9952175 - Disclosure - Litigation, Contingencies, and Commitments Sheet http://www.hpe.com/role/LitigationContingenciesandCommitments](#)
[Litigation, Contingencies, and Commitments Notes 27 false false R28.htm 9952176 - Disclosure - Guarantees and Indemnifications Sheet](#)
[http://www.hpe.com/role/GuaranteesandIndemnifications Guarantees and Indemnifications Notes 28 false false R29.htm 9952177 - Disclosure - Equity Interests Sheet](#)
[http://www.hpe.com/role/EquityInterests Equity Interests Notes 29 false false R30.htm 995410 - Disclosure - Pay vs Performance Disclosure Sheet](#)
[http://xbrl.sec.gov/cd/role/PvpDisclosure Pay vs Performance Disclosure Notes 30 false false R31.htm 995445 - Disclosure - Insider Trading Arrangements Sheet](#)
[http://xbrl.sec.gov/cd/role/InsiderTradingArrangements Insider Trading Arrangements Notes 31 false false R32.htm 995447 - Disclosure - Insider Trading Policies and](#)
[Procedures Sheet http://xbrl.sec.gov/cd/role/InsiderTradingPoliciesProc Insider Trading Policies and Procedures Notes 32 false false R33.htm 9955511 - Disclosure -](#)
[Overview and Summary of Significant Accounting Policies \(Policies\) Sheet http://www.hpe.com/role/OverviewandSummaryofSignificantAccountingPoliciesPolicies Overview](#)
[and Summary of Significant Accounting Policies \(Policies\) Policies http://www.hpe.com/role/OverviewandSummaryofSignificantAccountingPolicies 33 false false R34.htm](#)
[9955512 - Disclosure - Organization, Consolidation and Presentation of Financial Statements \(Tables\) Sheet](#)
[http://www.hpe.com/role/OrganizationConsolidationandPresentationofFinancialStatementsTables Organization, Consolidation and Presentation of Financial Statements](#)
[\(Tables\) Tables 34 false false R35.htm 9955513 - Disclosure - Segment Information \(Tables\) Sheet http://www.hpe.com/role/SegmentInformationTables Segment Information](#)
[\(Tables\) Tables http://www.hpe.com/role/SegmentInformation 35 false false R36.htm 9955514 - Disclosure - Transformation Programs \(Tables\) Sheet](#)
[http://www.hpe.com/role/TransformationProgramsTables Transformation Programs \(Tables\) Tables http://www.hpe.com/role/TransformationPrograms 36 false false R37.htm](#)
[9955515 - Disclosure - Retirement and Post-Retirement Benefit Plans \(Tables\) Sheet http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansTables Retirement](#)
[and Post-Retirement Benefit Plans \(Tables\) Tables http://www.hpe.com/role/RetirementandPostRetirementBenefitPlans 37 false false R38.htm 9955516 - Disclosure - Stock-](#)
[Based Compensation \(Tables\) Sheet http://www.hpe.com/role/StockBasedCompensationTables Stock-Based Compensation \(Tables\) Tables](#)
[http://www.hpe.com/role/StockBasedCompensation 38 false false R39.htm 9955517 - Disclosure - Taxes on Earnings \(Tables\) Sheet](#)
[http://www.hpe.com/role/TaxesonEarningsTables Taxes on Earnings \(Tables\) Tables http://www.hpe.com/role/TaxesonEarnings 39 false false R40.htm 9955518 - Disclosure -](#)
[Balance Sheet Details \(Table\) Sheet http://www.hpe.com/role/BalanceSheetDetailsTable Balance Sheet Details \(Table\) Tables http://www.hpe.com/role/BalanceSheetDetails 40](#)
[false false R41.htm 9955519 - Disclosure - Accounting for Leases as a Lessee \(Tables\) Sheet http://www.hpe.com/role/AccountingforLeasesasaLesseeTables Accounting for](#)
[Leases as a Lessee \(Tables\) Tables http://www.hpe.com/role/AccountingforLeasesasaLessee 41 false false R42.htm 9955520 - Disclosure - Accounting for Leases as a Lessor](#)
[\(Tables\) Sheet http://www.hpe.com/role/AccountingforLeasesasaLessorTables Accounting for Leases as a Lessor \(Tables\) Tables](#)
[http://www.hpe.com/role/AccountingforLeasesasaLessor 42 false false R43.htm 9955521 - Disclosure - Acquisitions and Dispositions \(Tables\) Sheet](#)
[http://www.hpe.com/role/AcquisitionsandDispositionsTables Acquisitions and Dispositions \(Tables\) Tables http://www.hpe.com/role/AcquisitionsandDispositions 43 false false](#)
[R44.htm 9955522 - Disclosure - Goodwill and Intangible Assets \(Tables\) Sheet http://www.hpe.com/role/GoodwillandIntangibleAssetsTables Goodwill and Intangible Assets](#)
[\(Tables\) Tables http://www.hpe.com/role/GoodwillandIntangibleAssets 44 false false R45.htm 9955523 - Disclosure - Fair Value \(Tables\) Sheet](#)
[http://www.hpe.com/role/FairValueTables Fair Value \(Tables\) Tables http://www.hpe.com/role/FairValue 45 false false R46.htm 9955524 - Disclosure - Financial Instruments](#)
[\(Tables\) Sheet http://www.hpe.com/role/FinancialInstrumentsTables Financial Instruments \(Tables\) Tables http://www.hpe.com/role/FinancialInstruments 46 false false](#)
[R47.htm 9955525 - Disclosure - Borrowings \(Tables\) Sheet http://www.hpe.com/role/BorrowingsTables Borrowings \(Tables\) Tables http://www.hpe.com/role/Borrowings 47](#)
[false false R48.htm 9955526 - Disclosure - Stockholders' Equity \(Tables\) Sheet http://www.hpe.com/role/StockholdersEquityTables Stockholders' Equity \(Tables\) Tables](#)
[http://www.hpe.com/role/StockholdersEquity 48 false false R49.htm 9955527 - Disclosure - Net Earnings \(Loss\) Per Share \(Tables\) Sheet](#)
[http://www.hpe.com/role/NetEarningsLossPerShareTables Net Earnings \(Loss\) Per Share \(Tables\) Tables http://www.hpe.com/role/NetEarningsPerShare 49 false false R50.htm](#)
[9955528 - Disclosure - Guarantees and Indemnifications \(Tables\) Sheet http://www.hpe.com/role/GuaranteesandIndemnificationsTables Guarantees and Indemnifications](#)
[\(Tables\) Tables http://www.hpe.com/role/GuaranteesandIndemnifications 50 false false R51.htm 9955529 - Disclosure - Equity Interests \(Tables\) Sheet](#)
[http://www.hpe.com/role/EquityInterestsTables Equity Interests \(Tables\) Tables http://www.hpe.com/role/EquityInterests 51 false false R52.htm 9955530 - Disclosure -](#)
[Overview and Summary of Significant Accounting Policies - Narrative \(Details\) Sheet](#)
[http://www.hpe.com/role/OverviewandSummaryofSignificantAccountingPoliciesNarrativeDetails Overview and Summary of Significant Accounting Policies - Narrative \(Details\)](#)
[Details http://www.hpe.com/role/OverviewandSummaryofSignificantAccountingPoliciesPolicies Policies 52 false false R53.htm 9955531 - Disclosure - Overview and Summary of](#)
[Significant Accounting Policies - Impact of Weighted Average Assumptions on Net Periodic Benefit \(Costs\) \(Details\) Sheet](#)
[http://www.hpe.com/role/OverviewandSummaryofSignificantAccountingPoliciesImpactofWeightedAverageAssumptionsonNetPeriodicBenefitCostsDetails Overview and](#)
[Summary of Significant Accounting Policies - Impact of Weighted Average Assumptions on Net Periodic Benefit \(Costs\) \(Details\) Details 53 false false R54.htm 9955532 -](#)
[Disclosure - Segment Information - Narrative \(Detail\) Sheet http://www.hpe.com/role/SegmentInformationNarrativeDetail Segment Information - Narrative \(Detail\) Details 54](#)
[false false R55.htm 9955533 - Disclosure - Segment Information - Segment Operating Results from Continuing Operations \(Details\) Sheet](#)
[http://www.hpe.com/role/SegmentInformationSegmentOperatingResultsfromContinuingOperationsDetails Segment Information - Segment Operating Results from Continuing](#)
[Operations \(Details\) Details 55 false false R56.htm 9955534 - Disclosure - Segment Information - Reconciliation of Segment Operating Results \(Details\) Sheet](#)
[http://www.hpe.com/role/SegmentInformationReconciliationofSegmentOperatingResultsDetails Segment Information - Reconciliation of Segment Operating Results \(Details\)](#)
[Details 56 false false R57.htm 9955535 - Disclosure - Segment Information - Revenue by Geographic Region \(Details\) Sheet](#)
[http://www.hpe.com/role/SegmentInformationRevenuebyGeographicRegionDetails Segment Information - Revenue by Geographic Region \(Details\) Details 57 false false](#)
[R58.htm 9955536 - Disclosure - Transformation Programs - Transformation Costs \(Details\) Sheet](#)
[http://www.hpe.com/role/TransformationProgramsTransformationCostsDetails Transformation Programs - Transformation Costs \(Details\) Details 58 false false R59.htm](#)
[9955537 - Disclosure - Transformation Programs - Schedule of Restructuring Activities \(Details\) Sheet](#)
[http://www.hpe.com/role/TransformationProgramsScheduleofRestructuringActivitiesDetails Transformation Programs - Schedule of Restructuring Activities \(Details\) Details](#)
[59 false false R60.htm 9955538 - Disclosure - Transformation Programs - Narrative \(Details\) Sheet http://www.hpe.com/role/TransformationProgramsNarrativeDetails](#)
[Transformation Programs - Narrative \(Details\) Details 60 false false R61.htm 9955539 - Disclosure - Retirement and Post-Retirement Benefit Plans - Narrative \(Details\) Sheet](#)
[http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansNarrativeDetails Retirement and Post-Retirement Benefit Plans - Narrative \(Details\) Details 61 false false](#)
[R62.htm 9955540 - Disclosure - Retirement and Post-Retirement Benefit Plans - Summary of Net Benefit Cost \(Details\) Sheet](#)
[http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansSummaryofNetBenefitCostDetails Retirement and Post-Retirement Benefit Plans - Summary of Net Benefit](#)
[Cost \(Details\) Details 62 false false R63.htm 9955541 - Disclosure - Retirement and Post-Retirement Benefit Plans - Weighted Average Assumptions Used to Calculate the](#)
[Projected Benefit Obligations \(Details\) Sheet](#)
[http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansWeightedAverageAssumptionsUsedtoCalculatetheProjectedBenefitObligationsDetails Retirement and](#)
[Post-Retirement Benefit Plans - Weighted Average Assumptions Used to Calculate the Projected Benefit Obligations \(Details\) Details 63 false false R64.htm 9955542 -](#)
[Disclosure - Retirement and Post-Retirement Benefit Plans - Funded Status of Plans \(Details\) Sheet](#)
[http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansFundedStatusofPlansDetails Retirement and Post-Retirement Benefit Plans - Funded Status of Plans](#)
[\(Details\) Details 64 false false R65.htm 9955543 - Disclosure - Retirement and Post-Retirement Benefit Plans - Weighted Average Assumptions Used to Calculate the Projected](#)
[Benefit Obligations for Direct Plans \(Details\) Sheet](#)
[http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansWeightedAverageAssumptionsUsedtoCalculatetheProjectedBenefitObligationsforDirectPlansDetails](#)
[Retirement and Post-Retirement Benefit Plans - Weighted Average Assumptions Used to Calculate the Projected Benefit Obligations for Direct Plans \(Details\) Details 65 false](#)
[false R66.htm 9955544 - Disclosure - Retirement and Post-Retirement Benefit Plans - Net Amounts Recognized for the Direct Plans in Combined and Consolidated Balance](#)
[Sheets \(Details\) Sheet](#)
[http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansNetAmountsRecognizedfortheDirectPlansinCombinedandConsolidatedBalanceSheetsDetails Retirement](#)
[and Post-Retirement Benefit Plans - Net Amounts Recognized for the Direct Plans in Combined and Consolidated Balance Sheets \(Details\) Details 66 false false R67.htm](#)
[9955545 - Disclosure - Retirement and Post-Retirement Benefit Plans - Pre-Tax Net Actuarial Loss and Prior Service Benefit Recognized in Accumulated Other Comprehensive](#)
[Loss for the Defined Benefit Plans \(Details\) Sheet](#)
[http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansPreTaxNetActuarialLossandPriorServiceBenefitRecognizedinAccumulatedOtherComprehensiveLossfortheDe](#)
[Retirement and Post-Retirement Benefit Plans - Pre-Tax Net Actuarial Loss and Prior Service Benefit Recognized in Accumulated Other Comprehensive Loss for the Defined](#)
[Benefit Plans \(Details\) Details 67 false false R68.htm 9955546 - Disclosure - Retirement and Post-Retirement Benefit Plans - Direct Defined Benefit Plans with Projected](#)
[Benefit Obligations Exceeding the Fair Value of Plan Assets \(Details\) Sheet](#)
[http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansDirectDefinedBenefitPlanswithProjectedBenefitObligationsExceedingtheFairValueofPlanAssetsDetails](#)
[Retirement and Post-Retirement Benefit Plans - Direct Defined Benefit Plans with Projected Benefit Obligations Exceeding the Fair Value of Plan Assets \(Details\) Details 68](#)
[false false R69.htm 9955547 - Disclosure - Retirement and Post-Retirement Benefit Plans - Direct Defined Benefit Plans with Accumulated Benefit Obligations Exceeding the](#)
[Fair Value of Plan Assets \(Details\) Sheet](#)
[http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansDirectDefinedBenefitPlanswithAccumulatedBenefitObligationsExceedingtheFairValueofPlanAssetsDetails](#)
[Retirement and Post-Retirement Benefit Plans - Direct Defined Benefit Plans with Accumulated Benefit Obligations Exceeding the Fair Value of Plan Assets \(Details\) Details](#)
[69 false false R70.htm 9955548 - Disclosure - Retirement and Post-Retirement Benefit Plans - Fair Value of Non-U.S. Defined Benefit Plan Assets by Asset Category Within the](#)
[Fair Value Hierarchy \(Details\) Sheet](#)
[http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansFairValueofNonUSDefinedBenefitPlanAssetsbyAssetCategoryWithintheFairValueHierarchyDetails](#)
[Retirement and Post-Retirement Benefit Plans - Fair Value of Non-U.S. Defined Benefit Plan Assets by Asset Category Within the Fair Value Hierarchy \(Details\) Details 70](#)
[false false R71.htm 9955549 - Disclosure - Retirement and Post-Retirement Benefit Plans - Changes in Fair Value Measurements of Level 2/3 Investments for the Non-U.S.](#)
[Defined Benefit Plans \(Details\) Sheet](#)
[http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansChangesinFairValueMeasurementsoffLevel3InvestmentsfortheNonUSDefinedBenefitPlansDetails](#)

Retirement and Post-Retirement Benefit Plans – Changes in Fair Value Measurements of Level??3 Investments for the Non-U.S. Defined Benefit Plans (Details) Details 71 false false R72.htm 9955550 – Disclosure – Retirement and Post-Retirement Benefit Plans – Weighted Average Target and Actual Asset Allocations Across Non-U.S. Defined Benefit Plans (Details) Sheet
http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansWeightedAverageTargetandActualAssetAllocationsAcrossNonUSDefinedBenefitPlansDetails Retirement and Post-Retirement Benefit Plans – Weighted Average Target and Actual Asset Allocations Across Non-U.S. Defined Benefit Plans (Details) Details 72 false false R73.htm 9955551 – Disclosure – Retirement and Post-Retirement Benefit Plans – Estimated Future Benefits Payments (Details) Sheet
http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansEstimatedFutureBenefitsPaymentsDetails Retirement and Post-Retirement Benefit Plans – Estimated Future Benefits Payments (Details) Details 73 false false R74.htm 9955552 – Disclosure – Stock-Based Compensation – Narrative (Details) Sheet
http://www.hpe.com/role/StockBasedCompensationNarrativeDetails Stock-Based Compensation – Narrative (Details) Details 74 false false R75.htm 9955553 – Disclosure – Stock-Based Compensation – Schedule of Stock-Based Compensation Expense and Resulting Tax Benefits (Details) Sheet
http://www.hpe.com/role/StockBasedCompensationScheduleofStockBasedCompensationExpenseandResultingTaxBenefitsDetails Stock-Based Compensation – Schedule of Stock-Based Compensation Expense and Resulting Tax Benefits (Details) Details 75 false false R76.htm 9955554 – Disclosure – Stock-Based Compensation – Consolidated Statement of Earnings Location of Stock-Based Compensation Expense (Details) Sheet
http://www.hpe.com/role/StockBasedCompensationConsolidatedStatementofEarningsLocationofStockBasedCompensationExpenseDetails Stock-Based Compensation – Consolidated Statement of Earnings Location of Stock-Based Compensation Expense (Details) Details 76 false false R77.htm 9955555 – Disclosure – Stock-Based Compensation – Employee Stock Purchase Plan (Details) Sheet
http://www.hpe.com/role/StockBasedCompensationEmployeeStockPurchasePlanDetails Stock-Based Compensation – Employee Stock Purchase Plan (Details) Details 77 false false R78.htm 9955556 – Disclosure – Stock-Based Compensation – Summary of Restricted Stock Activity (Details) Sheet
http://www.hpe.com/role/StockBasedCompensationSummaryofRestrictedStockActivityDetails Stock-Based Compensation – Summary of Restricted Stock Activity (Details) Details 78 false false R79.htm 9955557 – Disclosure – Taxes on Earnings – Provision (Benefit) for Taxes (Details) Sheet
http://www.hpe.com/role/TaxesonEarningsProvisionBenefitforTaxesDetails Taxes on Earnings – Provision (Benefit) for Taxes (Details) Details 79 false false R80.htm 9955558 – Disclosure – Taxes on Earnings – Summary of Differences Between the U.S. Federal Statutory Income Tax Rate and Effective Tax Rate (Details) Sheet
http://www.hpe.com/role/TaxesonEarningsSummaryofDifferencesBetweentheUSFederalStatutoryIncomeTaxRateandEffectiveTaxRateDetails Taxes on Earnings – Summary of Differences Between the U.S. Federal Statutory Income Tax Rate and Effective Tax Rate (Details) Details 80 false false R81.htm 9955559 – Disclosure – Taxes on Earnings – Narrative (Details) Sheet
http://www.hpe.com/role/TaxesonEarningsNarrativeDetails Taxes on Earnings – Narrative (Details) Details 81 false false R82.htm 9955560 – Disclosure – Taxes on Earnings – Uncertain Tax Positions (Details) Sheet
http://www.hpe.com/role/TaxesonEarningsUncertainTaxPositionsDetails Taxes on Earnings – Uncertain Tax Positions (Details) Details 82 false false R83.htm 9955561 – Disclosure – Taxes on Earnings – Components of Deferred Tax Assets and Deferred Tax Liabilities (Details) Sheet
http://www.hpe.com/role/TaxesonEarningsComponentsofDeferredTaxAssetsandDeferredTaxLiabilitiesDetails Taxes on Earnings – Components of Deferred Tax Assets and Deferred Tax Liabilities (Details) Details 83 false false R84.htm 9955562 – Disclosure – Taxes on Earnings – Deferred Tax Assets and Liabilities included in Condensed Consolidated Balance Sheets (Details) Sheet
http://www.hpe.com/role/TaxesonEarningsDeferredTaxAssetsandLiabilitiesincludedinCondensedConsolidatedBalanceSheetsDetails Taxes on Earnings – Deferred Tax Assets and Liabilities included in Condensed Consolidated Balance Sheets (Details) Details 84 false false R85.htm 9955563 – Disclosure – Taxes on Earnings – Schedule of Tax Credit Carryforwards and Allowances (Details) Sheet
http://www.hpe.com/role/TaxesonEarningsScheduleofTaxCreditCarryforwardsandAllowancesDetails Taxes on Earnings – Schedule of Tax Credit Carryforwards and Allowances (Details) Details 85 false false R86.htm 9955564 – Disclosure – Balance Sheet Details – Schedule of Cash and Cash Equivalents (Details) Sheet
http://www.hpe.com/role/BalanceSheetDetailsScheduleofCashandCashEquivalentsDetails Balance Sheet Details – Schedule of Cash and Cash Equivalents (Details) Details 86 false false R87.htm 9955565 – Disclosure – Balance Sheet Details – Accounts Receivable, Net (Details) Sheet
http://www.hpe.com/role/BalanceSheetDetailsAccountsReceivableNetDetails Balance Sheet Details – Accounts Receivable, Net (Details) Details 87 false false R88.htm 9955566 – Disclosure – Balance Sheet Details – Allowance for Doubtful Accounts (Details) Sheet
http://www.hpe.com/role/BalanceSheetDetailsAllowanceforDoubtfulAccountsDetails Balance Sheet Details – Allowance for Doubtful Accounts (Details) Details 88 false false R89.htm 9955567 – Disclosure – Balance Sheet Details – Revolving Short-Term Financing Receivable (Details) Sheet
http://www.hpe.com/role/BalanceSheetDetailsRevolvingShortTermFinancingReceivableDetails Balance Sheet Details – Revolving Short-Term Financing Receivable (Details) Details 89 false false R90.htm 9955568 – Disclosure – Balance Sheet Details – Inventory (Details) Sheet
http://www.hpe.com/role/BalanceSheetDetailsInventoryDetails Balance Sheet Details – Inventory (Details) Details 90 false false R91.htm 9955569 – Disclosure – Balance Sheet Details – Property, Plant and Equipment (Details) Sheet
http://www.hpe.com/role/BalanceSheetDetailsPropertyPlantandEquipmentDetails Balance Sheet Details – Property, Plant and Equipment (Details) Details 91 false false R92.htm 9955570 – Disclosure – Balance Sheet Details – Long-Term Financing Receivables and Other Assets (Details) Sheet
http://www.hpe.com/role/BalanceSheetDetailsLongTermFinancingReceivablesandOtherAssetsDetails Balance Sheet Details – Long-Term Financing Receivables and Other Assets (Details) Details 92 false false R93.htm 9955571 – Disclosure – Balance Sheet Details – Other Accrued Liabilities (Details) Sheet
http://www.hpe.com/role/BalanceSheetDetailsOtherAccruedLiabilitiesDetails Balance Sheet Details – Other Accrued Liabilities (Details) Details 93 false false R94.htm 9955572 – Disclosure – Balance Sheet Details – Other Non-Current Liabilities (Details) Sheet
http://www.hpe.com/role/BalanceSheetDetailsOtherNonCurrentLiabilitiesDetails Balance Sheet Details – Other Non-Current Liabilities (Details) Details 94 false false R95.htm 9955573 – Disclosure – Balance Sheet Details – Changes in Aggregate Product Warranty Liabilities (Details) Sheet
http://www.hpe.com/role/BalanceSheetDetailsChangesinAggregateProductWarrantyLiabilitiesDetails Balance Sheet Details – Changes in Aggregate Product Warranty Liabilities (Details) Details 95 false false R96.htm 9955574 – Disclosure – Balance Sheet Details – Contracts Liabilities (Details) Sheet
http://www.hpe.com/role/BalanceSheetDetailsContractsLiabilitiesDetails Balance Sheet Details – Contracts Liabilities (Details) Details 96 false false R97.htm 9955575 – Disclosure – Balance Sheet Details – Narrative (Details) Sheet
http://www.hpe.com/role/BalanceSheetDetailsNarrativeDetails Balance Sheet Details – Narrative (Details) Details 97 false false R98.htm 9955576 – Disclosure – Balance Sheet Details – Remaining Performance Obligation (Details) Sheet
http://www.hpe.com/role/BalanceSheetDetailsRemainingPerformanceObligationDetails Balance Sheet Details – Remaining Performance Obligation (Details) Details 98 false false R99.htm 9955577 – Disclosure – Accounting for Leases as a Lessee – Operating Lease Cost (Details) Sheet
http://www.hpe.com/role/AccountingforLeasesasaLesseeOperatingLeaseCostDetails Accounting for Leases as a Lessee – Operating Lease Cost (Details) Details 99 false false R100.htm 9955578 – Disclosure – Accounting for Leases as a Lessee – Leases Included in the Consolidated Balance Sheets (Details) Sheet
http://www.hpe.com/role/AccountingforLeasesasaLesseeLeasesIncludedintheConsolidatedBalanceSheetsDetails Accounting for Leases as a Lessee – Leases Included in the Consolidated Balance Sheets (Details) Details 100 false false R101.htm 9955579 – Disclosure – Accounting for Leases as a Lessor – Additional Lease Information (Details) Sheet
http://www.hpe.com/role/AccountingforLeasesasaLessorAdditionalLeaseInformationDetails Accounting for Leases as a Lessor – Additional Lease Information (Details) Details 101 false false R102.htm 9955580 – Disclosure – Accounting for Leases as a Lessor – Future Minimum Lease Commitments (Details) Sheet
http://www.hpe.com/role/AccountingforLeasesasaLessorFutureMinimumLeaseCommitmentsDetails Accounting for Leases as a Lessor – Future Minimum Lease Commitments (Details) Details 102 false false R103.htm 9955581 – Disclosure – Accounting for Leases as a Lessor – Narrative (Details) Sheet
http://www.hpe.com/role/AccountingforLeasesasaLessorNarrativeDetails Accounting for Leases as a Lessor – Narrative (Details) Details 103 false false R104.htm 9955582 – Disclosure – Accounting for Leases as a Lessor – Components of Financing Receivables (Details) Sheet
http://www.hpe.com/role/AccountingforLeasesasaLessorComponentsofFinancingReceivablesDetails Accounting for Leases as a Lessor – Components of Financing Receivables (Details) Details 104 false false R105.htm 9955583 – Disclosure – Accounting for Leases as a Lessor – Finance Lease Receivable Maturity (Details) Sheet
http://www.hpe.com/role/AccountingforLeasesasaLessorFinanceLeaseReceivableMaturityDetails Accounting for Leases as a Lessor – Finance Lease Receivable Maturity (Details) Details 105 false false R106.htm 9955584 – Disclosure – Accounting for Leases as a Lessor – Credit Risk Profile of Financing Receivables (Details) Sheet
http://www.hpe.com/role/AccountingforLeasesasaLessorCreditRiskProfileofFinancingReceivablesDetails Accounting for Leases as a Lessor – Credit Risk Profile of Financing Receivables (Details) Details 106 false false R107.htm 9955585 – Disclosure – Accounting for Leases as a Lessor – Allowance for Doubtful Accounts for Financing Receivables (Details) Sheet
http://www.hpe.com/role/AccountingforLeasesasaLessorAllowanceforDoubtfulAccountsforFinancingReceivablesDetails Accounting for Leases as a Lessor – Allowance for Doubtful Accounts for Financing Receivables (Details) Details 107 false false R108.htm 9955586 – Disclosure – Accounting for Leases as a Lessor – Summary of Aging and Non-acrual Status of Gross Financing Receivables (Details) Sheet
http://www.hpe.com/role/AccountingforLeasesasaLessorSummaryofAgingandNonaccrualStatusofGrossFinancingReceivablesDetails Accounting for Leases as a Lessor – Summary of Aging and Non-acrual Status of Gross Financing Receivables (Details) Details 108 false false R109.htm 9955587 – Disclosure – Accounting for Leases as a Lessor – Operating Lease Assets Included in Machinery and Equipment (Details) Sheet
http://www.hpe.com/role/AccountingforLeasesasaLessorOperatingLeaseAssetsIncludedinMachineryandEquipmentDetails Accounting for Leases as a Lessor – Operating Lease Assets Included in Machinery and Equipment (Details) Details 109 false false R110.htm 9955588 – Disclosure – Accounting for Leases as a Lessor – Operating Lease Payments Maturity (Details) Sheet
http://www.hpe.com/role/AccountingforLeasesasaLessorOperatingLeasePaymentsMaturityDetails Accounting for Leases as a Lessor – Operating Lease Payments Maturity (Details) Details 110 false false R111.htm 9955589 – Disclosure – Accounting for Leases as a Lessor – Lessor Activity Included in Income Statement (Details) Sheet
http://www.hpe.com/role/AccountingforLeasesasaLessorLessorActivityIncludedinIncomeStatementDetails Accounting for Leases as a Lessor – Lessor Activity Included in Income Statement (Details) Details 111 false false R112.htm 9955590 – Disclosure – Accounting for Leases as a Lessor – Assets and Liabilities of VIE (Details) Sheet
http://www.hpe.com/role/AccountingforLeasesasaLessorAssetsandLiabilitiesofVIEDetails Accounting for Leases as a Lessor – Assets and Liabilities of VIE (Details) Details 112 false false R113.htm 9955591 – Disclosure – Acquisitions and Dispositions – Narrative (Details) Sheet
http://www.hpe.com/role/AcquisitionsandDispositionsNarrativeDetails Acquisitions and Dispositions – Narrative (Details) Details 113 false false R114.htm 9955592 – Disclosure – Acquisitions and Dispositions – Aggregate Purchase Price Allocation (Details) Sheet
http://www.hpe.com/role/AcquisitionsandDispositionsAggregatePurchasePriceAllocationDetails Acquisitions and Dispositions – Aggregate Purchase Price Allocation (Details) Details 114 false false R115.htm 9955593 – Disclosure – Goodwill and Intangible Assets – Carrying Value of Goodwill by Reportable Segment (Details) Sheet
http://www.hpe.com/role/GoodwillandIntangibleAssetsCarryingValueofGoodwillbyReportableSegmentDetails Goodwill and Intangible Assets – Carrying Value of Goodwill by Reportable Segment (Details) Details 115 false false R116.htm 9955594 – Disclosure – Goodwill and Intangible Assets – Narrative (Details) Sheet
http://www.hpe.com/role/GoodwillandIntangibleAssetsNarrativeDetails Goodwill and Intangible Assets – Narrative (Details) Details 116 false false R117.htm 9955595 – Disclosure – Goodwill and Intangible Assets – Intangible Assets (Details) Sheet
http://www.hpe.com/role/GoodwillandIntangibleAssetsIntangibleAssetsDetails Goodwill and Intangible Assets – Intangible Assets (Details) Details 117 false false R118.htm 9955596 – Disclosure – Goodwill and Intangible Assets – Estimated Future Amortization Expense of Intangible Assets (Details) Sheet
http://www.hpe.com/role/GoodwillandIntangibleAssetsEstimatedFutureAmortizationExpenseofIntangibleAssetsDetails Goodwill and Intangible Assets – Estimated Future Amortization Expense of Intangible Assets (Details) Details 118 false false R119.htm 9955597 – Disclosure – Fair Value – Schedule of Assets and Liabilities on a Recurring Basis (Details) Sheet
http://www.hpe.com/role/FairValueScheduleofAssetsandLiabilitiesonaRecurringBasisDetails Fair Value – Schedule of Assets and Liabilities on a Recurring Basis (Details) Details 119 false false R120.htm 9955598 – Disclosure – Fair Value – Narrative (Details) Sheet
http://www.hpe.com/role/FairValueNarrativeDetails Fair Value – Narrative (Details) Details 120 false false R121.htm 9955599 – Disclosure – Financial Instruments – Cash Equivalents and Available-for-Sale Investments (Details) Sheet
http://www.hpe.com/role/FinancialInstrumentsCashEquivalentsandAvailableforSaleInvestmentsDetails Financial Instruments – Cash Equivalents and Available-for-Sale Investments (Details) Details 121 false false R122.htm 9955600 – Disclosure – Financial Instruments – Narrative (Details) Sheet
http://www.hpe.com/role/FinancialInstrumentsNarrativeDetails Financial Instruments – Narrative (Details) Details 122 false false R123.htm 9955601 – Disclosure – Financial Instruments – Contractual Maturities of Investments in Available-for-Sale Debt Securities (Details) Sheet
http://www.hpe.com/role/FinancialInstrumentsContractualMaturitiesofInvestmentsinAvailableforSaleDebtSecuritiesDetails Financial Instruments – Contractual Maturities of Investments in Available-for-Sale Debt Securities (Details) Details 123 false false R124.htm 9955602 – Disclosure – Financial Instruments – Gross Notional and Fair Value of Instruments in the Balance Sheets (Details) Sheet
http://www.hpe.com/role/FinancialInstrumentsGrossNotionalandFairValueofInstrumentsintheBalanceSheetsDetails Financial Instruments – Gross Notional and Fair Value of Instruments in the Balance Sheets (Details) Details 124 false false R125.htm 9955603 – Disclosure – Financial Instruments – Offsetting Assets and Liabilities (Details) Sheet
http://www.hpe.com/role/FinancialInstrumentsOffsettingAssetsandLiabilitiesDetails Financial Instruments – Offsetting Assets and Liabilities (Details) Details 125 false false R126.htm 9955604 – Disclosure – Financial Instruments – Amounts Recorded in the Balance Sheets (Details) Sheet
http://www.hpe.com/role/FinancialInstrumentsAmountsRecordedintheBalanceSheetsDetails Financial Instruments – Amounts Recorded in the Balance Sheets (Details) Details 126 false false R127.htm 9955605 – Disclosure – Financial Instruments – Pre-tax Effect of Derivative Instruments in Hedging Relationships on OCI (Details) Sheet
http://www.hpe.com/role/FinancialInstrumentsPretaxEffectofDerivativeInstrumentsinHedgingRelationshipsonOCIDetails Financial Instruments – Pre-tax Effect of Derivative Instruments in Hedging Relationships on OCI (Details) Details 127 false false R128.htm 9955606 – Disclosure – Financial Instruments – Pre-tax Effect of Derivative Instruments on Statement of Earnings (Details) Sheet
http://www.hpe.com/role/FinancialInstrumentsPretaxEffectofDerivativeInstrumentsonStatementofEarningsDetails

[Financial Instruments - Pre-tax Effect of Derivative Instruments on Statement of Earnings \(Details\) Details 128 false false R129.htm 9955607 - Disclosure - Borrowings](#)

[Notes Payable and Short-Term Borrowings \(Details\) Notes http://www.hpe.com/role/BorrowingsNotesPayableandShortTermBorrowingsDetailsBorrowings-Notes Payable and Short-Term Borrowings \(Details\) Details 129 false false R130.htm 9955608 - Disclosure - Borrowings - Long Term Debt \(Details\) Sheet](#)

[http://www.hpe.com/role/BorrowingsLongTermDebtDetailsBorrowings - Long Term Debt \(Details\) Details 130 false false R131.htm 9955609 - Disclosure - Borrowings - Narrative \(Details\) Sheet http://www.hpe.com/role/BorrowingsNarrativeDetailsBorrowings - Narrative \(Details\) Details 131 false false R132.htm 9955610 - Disclosure - Borrowings - Future Maturities of Long Term Debt \(Details\) Sheet http://www.hpe.com/role/BorrowingsFutureMaturitiesofLongTermDebtDetailsBorrowings - Future Maturities of Long Term Debt \(Details\) Details 132 false false R133.htm 9955611 - Disclosure - Stockholders' Equity - Components of AOCL \(Details\) Sheet](#)

[http://www.hpe.com/role/StockholdersEquityComponentsofAOCLDetailsStockholders' Equity - Components of AOCL \(Details\) Details 133 false false R134.htm 9955612 - Disclosure - Stockholders' Equity - Narrative \(Details\) Sheet http://www.hpe.com/role/StockholdersEquityNarrativeDetailsStockholders' Equity - Narrative \(Details\) Details 134 false false R135.htm 9955613 - Disclosure - Net Earnings Per Share \(Details\) Sheet http://www.hpe.com/role/NetEarningsPerShareDetailsNet Earnings Per Share \(Details\) Details http://www.hpe.com/role/NetEarningsPerShare 135 false false R136.htm 9955614 - Disclosure - Litigation, Contingencies, and Commitments \(Details\) Sheet](#)

[http://www.hpe.com/role/LitigationContingenciesandCommitmentsDetailsLitigation, Contingencies, and Commitments \(Details\) Details](#)

[http://www.hpe.com/role/LitigationContingenciesandCommitments 136 false false R137.htm 9955615 - Disclosure - Guarantees and Indemnifications - Indemnified Litigation matters and Other Contingencies \(Details\) Sheet http://www.hpe.com/role/GuaranteesandIndemnificationsIndemnifiedLitigationmattersandOtherContingenciesDetailsGuarantees and Indemnifications - Indemnified Litigation matters and Other Contingencies \(Details\) Details 137 false false R138.htm 9955616 - Disclosure - Guarantees and Indemnifications - Changes in Aggregate Product Warranty Liabilities and Changes \(Details\) Sheet](#)

[http://www.hpe.com/role/GuaranteesandIndemnificationsChangesinAggregateProductWarrantyLiabilitiesandChangesDetailsGuarantees and Indemnifications - Changes in Aggregate Product Warranty Liabilities and Changes \(Details\) Details 138 false false R139.htm 9955617 - Disclosure - Equity Interests - Narrative \(Details\) Sheet](#)

[http://www.hpe.com/role/EquityInterestsNarrativeDetailsEquity Interests - Narrative \(Details\) Details 139 false false R140.htm 9955618 - Disclosure - Equity Interests - Earnings from Equity Interest \(Details\) Sheet http://www.hpe.com/role/EquityInterestsEarningsfromEquityInterestDetailsEquity Interests - Earnings from Equity Interest \(Details\) Details 140 false false All Reports Book All Reports hpe-20241031.htm hpe-20241031.xsd hpe-20241031_cal.xml hpe-20241031_def.xml hpe-20241031_lab.xml hpe-20241031_pre.xml hpe-20241031_gi.jpg http://fasb.org/srt/2024 http://fasb.org/us-gaap/2024 http://xbrl.sec.gov/dei/2024 http://xbrl.sec.gov/ecd/2024 true JSON 165](#)

[MetaLinks.json IDEA: XBRL DOCUMENT { "version": "2.2", "instance": { "hpe-20241031.htm": { "nsrefix": "hpe", "nsuri": "http://www.hpe.com/20241031", "dts": { "inline": { "local": { "hpe-20241031.htm": { "schema": { "local": { "hpe-20241031.xsd": { "remote": { "http://www.xbrl.org/2003/xbrl-instance-2003-12-31.xsd", "http://www.xbrl.org/2003/xbrl-linkbase-2003-12-31.xsd", "http://www.xbrl.org/2003/xl-2003-12-31.xsd", "http://www.xbrl.org/2003/xlink-2003-12-31.xsd", "http://www.xbrl.org/2005/xbrldt-2005.xsd", "http://www.xbrl.org/2006/ref-2006-02-27.xsd", "http://www.xbrl.org/lrr/role/negated-2009-12-16.xsd", "http://www.xbrl.org/dtr/role/net-2009-12-16.xsd", "http://www.xbrl.org/lrr/role/reference-2009-12-16.xsd", "https://www.xbrl.org/srt/2024/extensible-enumerations-2.0.xsd", "https://www.xbrl.org/dtr/type-2020-01-21/types.xsd", "https://www.xbrl.org/dtr/type-2022-03-31/types.xsd", "https://xbrl.fasb.org/srt/2024/elts/srt-2024.xsd", "https://xbrl.fasb.org/srt/2024/elts/srt-roles-2024.xsd", "https://xbrl.fasb.org/srt/2024/elts/srt-types-2024.xsd", "https://xbrl.fasb.org/us-gaap/2024/elts/us-roles-2024.xsd", "https://xbrl.fasb.org/us-gaap/2024/elts/us-types-2024.xsd", "https://xbrl.sec.gov/country/2024/country-2024.xsd", "https://xbrl.sec.gov/ecd/2024/dei-2024.xsd", "https://xbrl.sec.gov/ecd/2024/ecd-2024.xsd", "https://xbrl.sec.gov/stpr/2024/stpr-2024.xsd"} } }, "calculationLink": { "local": { "hpe-20241031-cal.xml": { "definitionLink": { "local": { "hpe-20241031-def.xml": { "labelLink": { "local": { "hpe-20241031-lab.xml": { "presentationLink": { "local": { "hpe-20241031-pre.xml": { "keyStandard": 694, "keyCustom": 121, "axisStandard": 61, "axisCustom": 1, "memberStandard": 104, "memberCustom": 115, "hidden": { "total": 41, "http://fasb.org/us-gaap/2024": 34, "http://www.hpe.com/20241031": 3, "http://xbrl.sec.gov/dei/2024": 4, "contextCount": 899, "entityCount": 1, "segmentCount": 231, "elementCount": 1437, "unitCount": 14, "baseTaxonomies": { "http://fasb.org/us-gaap/2024": 2542, "http://xbrl.sec.gov/dei/2024": 42, "http://xbrl.sec.gov/ecd/2024": 5, "http://fasb.org/srt/2024": 4, "report": { "R1": { "role": "http://www.hpe.com/role/CoverPage", "longName": "00000001 - Document - Cover Page", "shortName": "Cover Page", "isDefault": "true", "groupType": "document", "subGroupType": "", "menuCat": "Cover", "order": "1", "firstAnchor": { "contextRef": "c-1", "name": "dei:DocumentType", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": { "span": "div", "body": "html" } }, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true } }, "R2": { "role": "http://www.hpe.com/role/AuditInformation", "longName": "00000002 - Document - Audit Information", "shortName": "Audit Information", "isDefault": "false", "groupType": "document", "subGroupType": "", "menuCat": "Cover", "order": "2", "firstAnchor": { "contextRef": "c-1", "name": "dei:AuditorLocation", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": { "span": "div", "body": "html" } }, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true } }, "R3": { "role": "http://www.hpe.com/role/ConsolidatedStatementsOfEarnings", "longName": "9952151 - Statement - Consolidated Statements of Earnings", "shortName": "Consolidated Statements of Earnings", "isDefault": "false", "groupType": "statement", "subGroupType": "", "menuCat": "Statements", "order": "3", "firstAnchor": { "contextRef": "c-1", "name": "us-gaap:InterestIncomeOperating", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-6", "ancestors": { "span": "td", "tr": "table", "div": "body", "html" } }, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true } }, "R4": { "role": "http://www.hpe.com/role/ConsolidatedStatementsOfComprehensiveIncome", "longName": "9952152 - Statement - Consolidated Statements of Comprehensive Income", "shortName": "Consolidated Statements of Comprehensive Income", "isDefault": "false", "groupType": "statement", "subGroupType": "", "menuCat": "Statements", "order": "4", "firstAnchor": { "contextRef": "c-1", "name": "us-gaap:NetIncomeLoss", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-6", "ancestors": { "span": "td", "tr": "table", "div": "body", "html" } }, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true } }, "R5": { "role": "http://www.hpe.com/role/ConsolidatedBalanceSheets", "longName": "9952153 - Statement - Consolidated Balance Sheets", "shortName": "Consolidated Balance Sheets", "isDefault": "false", "groupType": "statement", "subGroupType": "", "menuCat": "Statements", "order": "5", "firstAnchor": { "contextRef": "c-14", "name": "us-gaap:CashAndCashEquivalentsAtCarryingValue", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-6", "ancestors": { "span": "td", "tr": "table", "div": "body", "html" } }, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true } }, "R6": { "role": "http://www.hpe.com/role/ConsolidatedBalanceSheetsParenthetical", "longName": "9952154 - Statement - Consolidated Balance Sheets \(Parenthetical\)", "shortName": "Consolidated Balance Sheets \(Parenthetical\)", "isDefault": "false", "groupType": "statement", "subGroupType": "parenthetical", "menuCat": "Statements", "order": "6", "firstAnchor": { "contextRef": "c-14", "name": "us-gaap:PreferredStockParOrStatedValuePerShare", "unitRef": "usdPerShare", "xsiNil": "false", "lang": "en-US", "decimals": "-14", "ancestors": { "span": "div", "td": "tr", "table", "div": "body", "html" } }, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true } }, "R7": { "role": "http://www.hpe.com/role/ConsolidatedStatementsOfCashFlows", "longName": "9952155 - Statement - Consolidated Statements of Cash Flows", "shortName": "Consolidated Statements of Cash Flows", "isDefault": "false", "groupType": "statement", "subGroupType": "", "menuCat": "Statements", "order": "7", "firstAnchor": { "contextRef": "c-1", "name": "us-gaap:NetIncomeLoss", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-6", "ancestors": { "span": "td", "tr": "table", "div": "body", "html" } }, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true } }, "R8": { "role": "http://www.hpe.com/role/ConsolidatedStatementsOfCashFlowsParenthetical", "longName": "9952156 - Statement - Consolidated Statements of Cash Flows \(Parenthetical\)", "shortName": "Consolidated Statements of Cash Flows \(Parenthetical\)", "isDefault": "false", "groupType": "statement", "subGroupType": "parenthetical", "menuCat": "Statements", "order": "8", "firstAnchor": { "contextRef": "c-16", "name": "us-gaap:PreferredStockDividendRatePercentage", "unitRef": "number", "xsiNil": "false", "lang": "en-US", "decimals": "-5", "ancestors": { "span": "div", "td": "tr", "table", "div": "body", "html" } }, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true } }, "R9": { "role": "http://www.hpe.com/role/ConsolidatedStatementsOfStockholdersEquity", "longName": "9952157 - Statement - Consolidated Statements of Stockholders' Equity", "shortName": "Consolidated Statements of Stockholders' Equity", "isDefault": "false", "groupType": "statement", "subGroupType": "", "menuCat": "Statements", "order": "9", "firstAnchor": { "contextRef": "c-19", "name": "us-gaap:CommonStockSharesOutstanding", "unitRef": "shares", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": { "span": "td", "tr": "table", "div": "body",](#)

```
"xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": f "span", "div", "body", "html" l, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true }, {"uniqueAnchor": f "contextRef": "c-1", "name": "us-gaap:DisclosureOfCompensationRelatedCostsShareBasedPaymentsTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": f "span", "div", "body", "html" l, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true }, {"R16": f "role": "http://www.hpe.com/role/TaxesonEarnings", "longName": "9952164 - Disclosure - Taxes on Earnings", "shortName": "Taxes on Earnings", "isDefault": "false", "groupType": "disclosure", "subGroupType": "", "menuCat": "Notes", "order": "16", "firstAnchor": f "contextRef": "c-1", "name": "us-gaap:IncomeTaxDisclosureTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": f "span", "div", "body", "html" l, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true }, {"R17": f "role": "http://www.hpe.com/role/BalanceSheetDetails", "longName": "9952165 - Disclosure - Balance Sheet Details", "shortName": "Balance Sheet Details", "isDefault": "false", "groupType": "disclosure", "subGroupType": "", "menuCat": "Notes", "order": "17", "firstAnchor": f "contextRef": "c-1", "name": "us-gaap:SupplementalBalanceSheetDisclosuresTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": f "span", "div", "body", "html" l, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true }, {"R18": f "role": "http://www.hpe.com/role/BalanceSheetDetails", "longName": "9952165 - Disclosure - Balance Sheet Details", "shortName": "Balance Sheet Details", "isDefault": "false", "groupType": "disclosure", "subGroupType": "", "menuCat": "Notes", "order": "18", "firstAnchor": f "contextRef": "c-1", "name": "us-gaap:LesseeOperatingLeasesTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": f "span", "div", "body", "html" l, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true }, {"R19": f "role": "http://www.hpe.com/role/AccountingforLeasesasLessor", "longName": "9952167 - Disclosure - Accounting for Leases as a Lessor", "shortName": "Accounting for Leases as a Lessor", "isDefault": "false", "groupType": "disclosure", "subGroupType": "", "menuCat": "Notes", "order": "19", "firstAnchor": f "contextRef": "c-1", "name": "hpe:LessorOperatingSalesTypeAndDirectFinancingLeasesAndFinancingReceivablesTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": f "span", "div", "body", "html" l, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true }, {"R20": f "role": "http://www.hpe.com/role/GoodwillandIntangibleAssets", "longName": "9952168 - Disclosure - Acquisitions and Dispositions", "shortName": "Acquisitions and Dispositions", "isDefault": "false", "groupType": "disclosure", "subGroupType": "", "menuCat": "Notes", "order": "20", "firstAnchor": f "contextRef": "c-1", "name": "us-gaap:BusinessCombinationDisclosureTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": f "span", "div", "body", "html" l, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true }, {"R21": f "role": "http://www.hpe.com/role/GoodwillandIntangibleAssets", "longName": "9952169 - Disclosure - Goodwill and Intangible Assets", "shortName": "Goodwill and Intangible Assets", "isDefault": "false", "groupType": "disclosure", "subGroupType": "", "menuCat": "Notes", "order": "21", "firstAnchor": f "contextRef": "c-1", "name": "us-gaap:GoodwillAndIntangibleAssetsDisclosureTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": f "span", "div", "body", "html" l, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true }, {"R22": f "role": "http://www.hpe.com/role/FairValue", "longName": "9952170 - Disclosure - Fair Value", "shortName": "Fair Value", "isDefault": "false", "groupType": "disclosure", "subGroupType": "", "menuCat": "Notes", "order": "22", "firstAnchor": f "contextRef": "c-1", "name": "us-gaap:FairValueDisclosuresTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": f "span", "div", "body", "html" l, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true }, {"R23": f "role": "http://www.hpe.com/role/FinancialInstruments", "longName": "9952171 - Disclosure - Financial Instruments", "shortName": "Financial Instruments", "isDefault": "false", "groupType": "disclosure", "subGroupType": "", "menuCat": "Notes", "order": "23", "firstAnchor": f "contextRef": "c-1", "name": "us-gaap:FinancialInstrumentsDisclosureTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": f "span", "div", "body", "html" l, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true }, {"R24": f "role": "http://www.hpe.com/role/Borrowings", "longName": "9952172 - Disclosure - Borrowings", "shortName": "Borrowings", "isDefault": "false", "groupType": "disclosure", "subGroupType": "", "menuCat": "Notes", "order": "24", "firstAnchor": f "contextRef": "c-1", "name": "us-gaap:DebtDisclosureTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": f "span", "div", "body", "html" l, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true }, {"R25": f "role": "http://www.hpe.com/role/StockholdersEquity", "longName": "9952173 - Disclosure - Stockholders' Equity", "shortName": "Stockholders' Equity", "isDefault": "false", "groupType": "disclosure", "subGroupType": "", "menuCat": "Notes", "order": "25", "firstAnchor": f "contextRef": "c-1", "name": "us-gaap:StockholdersEquityNoteDisclosureTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": f "span", "div", "body", "html" l, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true }, {"R26": f "role": "http://www.hpe.com/role/NetEarningsPerShare", "longName": "9952174 - Disclosure - Net Earnings Per Share", "shortName": "Net Earnings Per Share", "isDefault": "false", "groupType": "disclosure", "subGroupType": "", "menuCat": "Notes", "order": "26", "firstAnchor": f "contextRef": "c-1", "name": "us-gaap:EarningsPerShareTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": f "span", "div", "body", "html" l, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true }, {"R27": f "role": "http://www.hpe.com/role/LitigationContingenciesandCommitments", "longName": "9952175 - Disclosure - Litigation, Contingencies, and Commitments", "shortName": "Litigation, Contingencies, and Commitments", "isDefault": "false", "groupType": "disclosure", "subGroupType": "", "menuCat": "Notes", "order": "27", "firstAnchor": f "contextRef": "c-1", "name": "us-gaap:LegalMattersAndContingenciesTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": f "span", "div", "body", "html" l, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true }, {"R28": f "role": "http://www.hpe.com/role/GuaranteesandIndemnifications", "longName": "9952176 - Disclosure - Guarantees and Indemnifications", "shortName": "Guarantees and Indemnifications", "isDefault": "false", "groupType": "disclosure", "subGroupType": "", "menuCat": "Notes", "order": "28", "firstAnchor": f "contextRef": "c-1", "name": "us-gaap:GuaranteesTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": f "span", "div", "body", "html" l, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true }, {"R29": f "role": "http://www.hpe.com/role/EquityInterests", "longName": "9952177 - Disclosure - Equity Interests", "shortName": "Equity Interests", "isDefault": "false", "groupType": "disclosure", "subGroupType": "", "menuCat": "Notes", "order": "29", "firstAnchor": f "contextRef": "c-1", "name": "us-gaap:EquityMethodInvestmentsDisclosureTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": f "span", "div", "body", "html" l, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true }, {"R30": f "role": "http://www.hpe.com/role/EquityInterests", "longName": "9952177 - Disclosure - Equity Interests", "shortName": "Equity Interests", "isDefault": "false", "groupType": "disclosure", "subGroupType": "", "menuCat": "Notes", "order": "30", "firstAnchor": f "contextRef": "c-1", "name": "us-gaap:EquityMethodInvestmentsDisclosureTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": f "span", "div", "body", "html" l, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true }, {"R31": f "role": "http://www.hpe.com/role/InsiderTradingArrangements", "longName": "995445 - Disclosure - Insider Trading Arrangements", "shortName": "Insider Trading Arrangements", "isDefault": "false", "groupType": "disclosure", "subGroupType": "", "menuCat": "Notes", "order": "31", "firstAnchor": f "contextRef": "c-1", "name": "ecd:Rule10b51ArrAdoptedFlag", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": f "cd:NonRule10b51ArrAdoptedFlag", "span", "div", "body", "html" l, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true }, {"R32": f "role": "http://www.hpe.com/role/InsiderTradingPoliciesProc", "longName": "995447 - Disclosure - Insider Trading Policies and Procedures", "shortName": "Insider Trading Policies and Procedures", "isDefault": "false", "groupType": "disclosure", "subGroupType": "", "menuCat": "Notes", "order": "32", "firstAnchor": f "contextRef": "c-1", "name": "ecd:InsiderTrdPoliciesProcAdoptedFlag", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": f "cd:NonRule10b51ArrAdoptedFlag", "span", "div", "body", "html" l, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true }, {"R33": f "role": "http://www.hpe.com/role/OverviewandSummaryofSignificantAccountingPoliciesPolicies", "longName": "995511 - Disclosure - Overview and Summary of Significant Accounting Policies (Policies)", "shortName": "Overview and Summary of Significant Accounting Policies (Policies)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "policies", "menuCat": "Policies", "order": "33", "firstAnchor": f "contextRef": "c-1", "name": "us-gaap:BasisOfAccountingPolicyTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": f "ix:continuation", "body", "html" l, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true }, {"R34": f "role": "http://www.hpe.com/role/SegmentInformationTables", "longName": "995513 - Disclosure - Segment Information (Tables)", "shortName": "Segment Information (Tables)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "tables", "menuCat": "Tables", "order": "34", "firstAnchor": f "contextRef": "c-1", "name": "us-gaap:ScheduleOfAssumptionsUsedTableTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": f "ix:continuation
```

```

ShortName": "Retirement and Post-Retirement Benefit Plans (Tables)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "tables", "menuCat": "Tables",
"order": "37", "firstAnchor": { "contextRef": "c-1", "name": "us-gaap:ScheduleOfNetBenefitCostsTableTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals":
null, "ancestors": { "ix:continuation": "body", "html": { "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-1",
"name": "us-gaap:ScheduleOfNetBenefitCostsTableTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": { "ix:continuation": "body",
"html": { "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true }, "R38": { "role": "http://www.hpe.com/role/StockBasedCompensationTables",
"longName": "9955516 - Disclosure - Stock Based Compensation (Tables)", "shortName": "Stock Based Compensation (Tables)", "isDefault": "false", "groupType": "disclosure",
"subGroupType": "tables", "menuCat": "Tables", "order": "38", "firstAnchor": { "contextRef": "c-1", "name": "us-
gaap:ScheduleOfCompensationCostForShareBasedPaymentArrangementsAllocationOfShareBasedCompensationCostsByPlanTableTextBlock", "unitRef": null, "xsiNil": "false",
"lang": "en-US", "decimals": null, "ancestors": { "ix:continuation": "body", "html": { "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true },
"uniqueAnchor": { "contextRef": "c-1", "name": "us-
gaap:ScheduleOfCompensationCostForShareBasedPaymentArrangementsAllocationOfShareBasedCompensationCostsByPlanTableTextBlock", "unitRef": null, "xsiNil": "false",
"lang": "en-US", "decimals": null, "ancestors": { "ix:continuation": "body", "html": { "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true }, "R39": {
"role": "http://www.hpe.com/role/TaxesOnEarningsTables", "longName": "9955517 - Disclosure - Taxes on Earnings (Tables)", "shortName": "Taxes on Earnings (Tables)",
"isDefault": "false", "groupType": "disclosure", "subGroupType": "tables", "menuCat": "Tables", "order": "39", "firstAnchor": { "contextRef": "c-1", "name": "us-
gaap:ScheduleOfIncomeBeforeIncomeTaxDomesticAndForeignTableTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": {
"ix:continuation": "body", "html": { "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-1", "name": "us-
gaap:ScheduleOfIncomeBeforeIncomeTaxDomesticAndForeignTableTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": {
"ix:continuation": "body", "html": { "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true }, "R40": { "role":
"http://www.hpe.com/role/BalanceSheetDetailsTable", "longName": "9955518 - Disclosure - Balance Sheet Details (Table)", "shortName": "Balance Sheet Details (Table)",
"isDefault": "false", "groupType": "disclosure", "subGroupType": "tables", "menuCat": "Tables", "order": "40", "firstAnchor": { "contextRef": "c-1", "name": "us-
gaap:ScheduleOfCashAndCashEquivalentsTableTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": { "ix:continuation": "body", "html": {
"reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-1", "name": "us-
gaap:ScheduleOfCashAndCashEquivalentsTableTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": { "ix:continuation": "body", "html": {
"reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true }, "R41": { "role": "http://www.hpe.com/role/AccountingforLeasesasLesseeTables",
"longName": "9955519 - Disclosure - Accounting for Leases as a Lessee (Tables)", "shortName": "Accounting for Leases as a Lessee (Tables)", "isDefault": "false", "groupType":
"disclosure", "subGroupType": "tables", "menuCat": "Tables", "order": "41", "firstAnchor": { "contextRef": "c-1", "name": "us-gaap:LeaseCostTableTextBlock", "unitRef": null,
"xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": { "ix:continuation": "body", "html": { "reportCount": 1, "baseRef": "hpe-20241031.htm",
"first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-1", "name": "us-gaap:LeaseCostTableTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals":
null, "ancestors": { "ix:continuation": "body", "html": { "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true }, "R42": { "role":
"http://www.hpe.com/role/AccountingforLeasesasLessorTables", "longName": "9955520 - Disclosure - Accounting for Leases as a Lessor (Tables)", "shortName": "Accounting
for Leases as a Lessor (Tables)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "tables", "menuCat": "Tables", "order": "42", "firstAnchor": { "contextRef": "c-1",
"name": "hpe:LeasesinFinancialStatementsofLessorDisclosureTableTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": { "span":
"div", "ix:continuation": "body", "html": { "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-1", "name":
"hpe:LeasesinFinancialStatementsofLessorDisclosureTableTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": { "span": "div",
"ix:continuation": "body", "html": { "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true }, "R43": { "role":
"http://www.hpe.com/role/AcquisitionsandDispositionsTables", "longName": "9955521 - Disclosure - Acquisitions and Dispositions (Tables)", "shortName": "Acquisitions and
Dispositions (Tables)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "tables", "menuCat": "Tables", "order": "43", "firstAnchor": { "contextRef": "c-1",
"name": "us-gaap:ScheduleOfRecognizedIdentifiedAssetsAcquiredAndLiabilitiesAssumedTableTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null,
"ancestors": { "ix:continuation": "body", "html": { "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-1",
"name": "us-gaap:ScheduleOfRecognizedIdentifiedAssetsAcquiredAndLiabilitiesAssumedTableTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null,
"ancestors": { "ix:continuation": "body", "html": { "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true }, "R44": { "role":
"http://www.hpe.com/role/GoodwillandIntangibleAssetsTables", "longName": "9955522 - Disclosure - Goodwill and Intangible Assets (Tables)", "shortName": "Goodwill and
Intangible Assets (Tables)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "tables", "menuCat": "Tables", "order": "44", "firstAnchor": { "contextRef": "c-1",
"name": "us-gaap:ScheduleOfGoodwillTableTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": { "ix:continuation": "body", "html": {
"reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-1", "name": "us-gaap:ScheduleOfGoodwillTableTextBlock",
"unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": { "ix:continuation": "body", "html": { "reportCount": 1, "baseRef": "hpe-20241031.htm", "first":
true, "unique": true }, "R45": { "role": "http://www.hpe.com/role/FairValueTables", "longName": "9955523 - Disclosure - Fair Value (Tables)", "shortName": "Fair Value
(Tables)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "tables", "menuCat": "Tables", "order": "45", "firstAnchor": { "contextRef": "c-1", "name": "us-
gaap:ScheduleOffairValueAssetsAndLiabilitiesMeasuredOnRecurringBasisTableTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": {
"ix:continuation": "body", "html": { "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-1", "name": "us-
gaap:ScheduleOffairValueAssetsAndLiabilitiesMeasuredOnRecurringBasisTableTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": {
"ix:continuation": "body", "html": { "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true }, "R46": { "role":
"http://www.hpe.com/role/FinancialInstrumentsTables", "longName": "9955524 - Disclosure - Financial Instruments (Tables)", "shortName": "Financial Instruments (Tables)",
"isDefault": "false", "groupType": "disclosure", "subGroupType": "tables", "menuCat": "Tables", "order": "46", "firstAnchor": { "contextRef": "c-1", "name": "hpe:ScheduleOfCashEquivalentsAndAvailableForSaleInvestmentsReconciliationTableTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null,
"ancestors": { "ix:continuation": "body", "html": { "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-1",
"name": "hpe:ScheduleOfCashEquivalentsAndAvailableForSaleInvestmentsReconciliationTableTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null,
"ancestors": { "ix:continuation": "body", "html": { "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true }, "R47": { "role":
"http://www.hpe.com/role/BorrowingsTables", "longName": "9955525 - Disclosure - Borrowings (Tables)", "shortName": "Borrowings (Tables)", "isDefault": "false",
"groupType": "disclosure", "subGroupType": "tables", "menuCat": "Tables", "order": "47", "firstAnchor": { "contextRef": "c-1", "name": "hpe:ScheduleofShortTermDebtandCurrentPortionofLongTermDebtTableTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": {
"ix:continuation": "body", "html": { "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-1", "name": "hpe:ScheduleofShortTermDebtandCurrentPortionofLongTermDebtTableTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": {
"ix:continuation": "body", "html": { "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true }, "R48": { "role":
"http://www.hpe.com/role/StockholdersEquityTables", "longName": "9955526 - Disclosure - Stockholders' Equity (Tables)", "shortName": "Stockholders' Equity (Tables)",
"isDefault": "false", "groupType": "disclosure", "subGroupType": "tables", "menuCat": "Tables", "order": "48", "firstAnchor": { "contextRef": "c-1", "name": "us-
gaap:ScheduleOfAccumulatedOtherComprehensiveIncomeLossTableTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": { "body", "html":
{ "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true }, "R49": { "role": "http://www.hpe.com/role/NetEarningsLossPerShareTables", "longName":
"9955527 - Disclosure - Net Earnings (Loss) Per Share (Tables)", "shortName": "Net Earnings (Loss) Per Share (Tables)", "isDefault": "false", "groupType": "disclosure",
"subGroupType": "tables", "menuCat": "Tables", "order": "49", "firstAnchor": { "contextRef": "c-1", "name": "us-
gaap:ScheduleOfEarningsPerShareBasicAndDilutedTableTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": { "ix:continuation": "body",
"html": { "reportCount
```

gaap:ScheduleOfSegmentReportingInformationBySegmentTextBlock","ix:continuation","body","html" |, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true |, "uniqueAnchor": { "contextRef": "c-77", "name": "us-gaap:Revenues", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "6", "ancestors": { "span": "td", "tr", "table", "div", "us-gaap:ScheduleOfSegmentReportingInformationBySegmentTextBlock", "ix:continuation", "body", "html" |, "reportCount": 1, "baseRef": "hpe-20241031.htm", "unique": true } |, "R56": { "role": "http://www.hpe.com/role/SegmentInformationReconciliationOfSegmentOperatingResultsDetails", "longName": "9955534 - Disclosure - Segment Information - Reconciliation of Segment Operating Results (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "56", "firstAnchor": { "contextRef": "c-1", "name": "us-gaap:Revenues", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "6", "ancestors": { "span": "td", "tr", "table", "div", "us-gaap:ScheduleOfSegmentReportingInformationBySegmentTextBlock", "ix:continuation", "body", "html" |, "reportCount": 1, "baseRef": "hpe-20241031.htm", "unique": true } |, "R57": { "role": "http://www.hpe.com/role/SegmentInformationRevenueByGeographicRegionDetails", "longName": "9955535 - Disclosure - Segment Information - Revenue by Geographic Region (Details)", "shortName": "Segment Information - Revenue by Geographic Region (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "57", "firstAnchor": { "contextRef": "c-1", "name": "us-gaap:Revenues", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "6", "ancestors": { "span": "td", "tr", "table", "div", "us-gaap:ScheduleOfSegmentReportingInformationBySegmentTextBlock", "ix:continuation", "body", "html" |, "reportCount": 1, "baseRef": "hpe-20241031.htm", "unique": true } |, "R58": { "role": "http://www.hpe.com/role/TransformationProgramsTransformationCostsDetails", "longName": "9955536 - Disclosure - Transformation Programs - Transformation Costs (Details)", "shortName": "Transformation Programs - Transformation Costs (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "58", "firstAnchor": { "contextRef": "c-1", "name": "hpe:TransformationCosts", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "6", "ancestors": { "span": "td", "tr", "table", "div", "us-gaap:ScheduleOfRestructuringAndRelatedCostsTextBlock", "ix:continuation", "body", "html" |, "reportCount": 1, "baseRef": "hpe-20241031.htm", "unique": true } |, "R59": { "role": "http://www.hpe.com/role/TransformationProgramsScheduleOfRestructuringActivitiesDetails", "longName": "9955537 - Disclosure - Transformation Programs - Schedule of Restructuring Activities (Details)", "shortName": "Transformation Programs - Schedule of Restructuring Activities (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "59", "firstAnchor": { "contextRef": "c-153", "name": "us-gaap:RestructuringCharges", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "6", "ancestors": { "span": "td", "tr", "table", "div", "us-gaap:ScheduleOfRestructuringAndRelatedCostsTextBlock", "ix:continuation", "body", "html" |, "reportCount": 1, "baseRef": "hpe-20241031.htm", "unique": true } |, "R60": { "role": "http://www.hpe.com/role/TransformationProgramsNarrativeDetails", "longName": "9955538 - Disclosure - Transformation Programs - Narrative (Details)", "shortName": "Transformation Programs - Narrative (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "60", "firstAnchor": { "contextRef": "c-14", "name": "us-gaap:RestructuringReserveCurrent", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "6", "ancestors": { "span": "td", "tr", "table", "div", "us-gaap:RestructuringReserveByTypeOfCostTextBlock", "ix:continuation", "body", "html" |, "reportCount": 1, "baseRef": "hpe-20241031.htm", "unique": true } |, "R61": { "role": "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansNarrativeDetails", "longName": "9955539 - Disclosure - Retirement and Post-Retirement Benefit Plans - Narrative (Details)", "shortName": "Retirement and Post-Retirement Benefit Plans - Narrative (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "61", "firstAnchor": { "contextRef": "c-1", "name": "us-gaap:DefinedContributionPlanCostRecognized", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "6", "ancestors": { "span": "div", "ix:continuation", "body", "html" |, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true |, "uniqueAnchor": { "contextRef": "c-1", "name": "us-gaap:DefinedContributionPlanCostRecognized", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "6", "ancestors": { "span": "div", "ix:continuation", "body", "html" |, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true } |, "R62": { "role": "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansSummaryOfNetBenefitCostDetails", "longName": "9955540 - Disclosure - Retirement and Post-Retirement Benefit Plans - Summary of Net Benefit Cost (Details)", "shortName": "Retirement and Post-Retirement Benefit Plans - Summary of Net Benefit Cost (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "62", "firstAnchor": { "contextRef": "c-176", "name": "us-gaap:DefinedBenefitPlanServiceCost", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "6", "ancestors": { "span": "td", "tr", "table", "div", "us-gaap:ChangesInProjectedBenefitObligationsFairValueOfPlanAssetsAndFundedStatusOfPlanTableTextBlock", "ix:continuation", "body", "html" |, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true |, "uniqueAnchor": { "contextRef": "c-176", "name": "us-gaap:DefinedBenefitPlanExpectedReturnOnPlanAssets", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "6", "ancestors": { "span": "td", "tr", "table", "div", "us-gaap:ScheduleOfNetBenefitCostsTableTextBlock", "ix:continuation", "body", "html" |, "reportCount": 1, "baseRef": "hpe-20241031.htm", "unique": true } |, "R63": { "role": "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansWeightedAverageAssumptionsUsedtoCalculateTheProjectedBenefitObligationsDetails", "longName": "9955541 - Disclosure - Retirement and Post-Retirement Benefit Plans - Weighted Average Assumptions Used to Calculate the Projected Benefit Obligations (Details)", "shortName": "Retirement and Post-Retirement Benefit Plans - Weighted Average Assumptions Used to Calculate the Projected Benefit Obligations (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "63", "firstAnchor": { "contextRef": "c-176", "name": "us-gaap:DefinedBenefitPlanAssumptionsUsedCalculatingNetPeriodicBenefitCostDiscountRate", "unitRef": "number", "xsiNil": "false", "lang": "en-US", "decimals": "3", "ancestors": { "span": "td", "tr", "table", "div", "ix:continuation", "body", "html" |, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true |, "uniqueAnchor": { "contextRef": "c-176", "name": "us-gaap:DefinedBenefitPlanAssumptionsUsedCalculatingNetPeriodicBenefitCostDiscountRate", "unitRef": "number", "xsiNil": "false", "lang": "en-US", "decimals": "3", "ancestors": { "span": "td", "tr", "table", "div", "ix:continuation", "body", "html" |, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true } |, "R64": { "role": "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansFundedStatusOfPlansDetails", "longName": "9955542 - Disclosure - Retirement and Post-Retirement Benefit Plans - Funded Status of Plans (Details)", "shortName": "Retirement and Post-Retirement Benefit Plans - Funded Status of Plans (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "64", "firstAnchor": { "contextRef": "c-182", "name": "us-gaap:DefinedBenefitPlanFairValueOfPlanAssets", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "6", "ancestors": { "span": "td", "tr", "table", "div", "us-gaap:ChangesInProjectedBenefitObligationsFairValueOfPlanAssetsAndFundedStatusOfPlanTableTextBlock", "ix:continuation", "body", "html" |, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true |, "uniqueAnchor": { "contextRef": "c-176", "name": "hpe:DefinedBenefitPlanPlanAssetsIncreaseDecreaseFromReimbursementOfBenefitPayments", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "6", "ancestors": { "span": "td", "tr", "table", "div", "us-gaap:ChangesInProjectedBenefitObligationsFairValueOfPlanAssetsAndFundedStatusOfPlanTableTextBlock", "ix:continuation", "body", "html" |, "reportCount": 1, "baseRef": "hpe-20241031.htm", "unique": true } |, "R65": { "role": "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansWeightedAverageAssumptionsUsedtoCalculateTheProjectedBenefitObligationsforDirectPlansDetails", "longName": "9955543 - Disclosure - Retirement and Post-Retirement Benefit Plans - Weighted Average Assumptions Used to Calculate the Projected Benefit Obligations for Direct Plans (Details)", "shortName": "Retirement and Post-Retirement Benefit Plans - Weighted Average Assumptions Used to Calculate the Projected Benefit Obligations for Direct Plans (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "65", "firstAnchor": { "contextRef": "c-186", "name": "us-gaap:DefinedBenefitPlanAssumptionsUsedCalculatingBenefitObligationDiscountRate", "unitRef": "number", "xsiNil": "false", "lang": "en-US", "decimals": "3", "ancestors": { "span": "td", "tr", "table", "div", "hpe:ScheduleOfAssumptionsUsedToCalculateBenefitObligationTableTextBlock", "ix:continuation", "body", "html" |, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true } |, "R66": { "role": "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansNetAmountsRecognizedfortheDirectPlansinCombinedandConsolidatedBalanceSheetsDetails", "longName": "9955544 - Disclosure - Retirement and Post-Retirement Benefit Plans - Net Amounts Recognized for the Direct Plans in Combined and Consolidated Balance Sheets (Details)", "shortName": "Retirement and Post-Retirement Benefit Plans - Net Amounts Recognized for the Direct Plans in Combined and Consolidated Balance Sheets (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "66", "firstAnchor": { "contextRef": "c-186", "name": "us-gaap:DefinedBenefitPlanAssetsForPlanBenefitsNoncurrent", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "6", "ancestors": { "span": "td", "tr", "table", "div", "us-gaap:ScheduleOfAmountsRecognizedInBalanceSheetTableTextBlock", "ix:continuation", "body", "html" |, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true } |, "R67": { "role": "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansPreTaxNetActuarialLossandPriorServiceBenefitRecognizedinAccumulatedOtherComprehensiveLossfortheD", "longName": "9955545 - Disclosure - Retirement and Post-Retirement Benefit Plans - Pre-Tax Net Actuarial Loss and Prior Service Benefit Recognized in Accumulated Other Comprehensive Loss for the Defined Benefit Plans (Details)", "shortName": "Retirement and Post-Retirement Benefit Plans - Pre-Tax Net Actuarial Loss and Prior Service Benefit Recognized in Accumulated Other Comprehensive Loss for the Defined Benefit Plans (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "67", "firstAnchor": { "contextRef": "c-186", "name": "us-gaap:DefinedBenefitPlanAccumulatedOtherComprehensiveIncomeNetGainsLossesBeforeTax", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "6", "ancestors": { "span": "td", "tr", "table", "div", "us-gaap:ScheduleOfAmountsRecognizedInOtherComprehensiveIncomeLossTableTextBlock", "ix:continuation", "body", "html" |, "reportCount": 1, "baseRef": "hpe-20


```

unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "6", "ancestors": [ "span", "td", "tr", "table", "div", "us-gaap:ScheduleOfAccumulatedBenefitObligationsInExcessOfFairValueOfPlanAssetsTableTextBlock", "ix:continuation", "body", "html" ], "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-186", "name": "us-gaap:DefinedBenefitPlanPensionPlansWithAccumulatedBenefitObligationsInExcessOfPlanAssetsAggregateFairValueOfPlanAssets", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "6", "ancestors": [ "span", "td", "tr", "table", "div", "us-gaap:ScheduleOfAccumulatedBenefitObligationsInExcessOfFairValueOfPlanAssetsTableTextBlock", "ix:continuation", "body", "html" ], "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true }, "R70": { "role": "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansFairValueofNonUSDefinedBenefitPlanAssetsbyAssetCategoryWithintheFairValueHierarchyDetails", "longName": "9955548 - Disclosure - Retirement and Post-Retirement Benefit Plans - Fair Value of Non-U.S. Defined Benefit Plan Assets by Asset Category Within the Fair Value Hierarchy (Details)", "shortName": "Retirement and Post-Retirement Benefit Plans - Fair Value of Non-U.S. Defined Benefit Plan Assets by Asset Category Within the Fair Value Hierarchy (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "70", "firstAnchor": { "contextRef": "c-305", "name": "hpe:DefinedBenefitPlanPlanAssetsLevel3ReconciliationMeasurementInput", "unitRef": "number", "xsiNil": "false", "lang": "en-US", "decimals": "2", "ancestors": [ "span", "link:footnote", "div", "ix:continuation", "ix:continuation", "body", "html" ], "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-305", "name": "hpe:DefinedBenefitPlanPlanAssetsLevel3ReconciliationMeasurementInput", "unitRef": "number", "xsiNil": "false", "lang": "en-US", "decimals": "2", "ancestors": [ "span", "link:footnote", "div", "ix:continuation", "ix:continuation", "body", "html" ], "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true }, "R71": { "role": "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansChangesinFairValueMeasurementssofLevel3InvestmentsfortheNonUSDefinedBenefitPlansDetails", "longName": "9955549 - Disclosure - Retirement and Post-Retirement Benefit Plans - Changes in Fair Value Measurements of Level3 Investments for the Non-U.S. Defined Benefit Plans (Details)", "shortName": "Retirement and Post-Retirement Benefit Plans - Changes in Fair Value Measurements of Level3 Investments for the Non-U.S. Defined Benefit Plans (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "71", "firstAnchor": { "contextRef": "c-182", "name": "us-gaap:DefinedBenefitPlanFairValueOfPlanAssets", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "6", "ancestors": [ "span", "td", "tr", "table", "div", "us-gaap:ChangesInProjectedBenefitObligationsFairValueOfPlanAssetsAndFundedStatusOfPlanTableTextBlock", "ix:continuation", "body", "html" ], "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true }, "uniqueAnchor": { "contextRef": "c-361", "name": "us-gaap:DefinedBenefitPlanActualReturnOnPlanAssetsStillHeld", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "6", "ancestors": [ "span", "td", "tr", "table", "div", "us-gaap:ScheduleOfEffectOfSignificantUnobservableInputsChangesInPlanAssetsTableTextBlock", "ix:continuation", "body", "html" ], "reportCount": 1, "baseRef": "hpe-20241031.htm", "unique": true }, "R72": { "role": "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansWeightedAverageTargetandActualAssetAllocationsAcrossNonUSDefinedBenefitPlansDetails", "longName": "9955550 - Disclosure - Retirement and Post-Retirement Benefit Plans - Weighted Average Target and Actual Asset Allocations Across Non-U.S. Defined Benefit Plans (Details)", "shortName": "Retirement and Post-Retirement Benefit Plans - Weighted Average Target and Actual Asset Allocations Across Non-U.S. Defined Benefit Plans (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "72", "firstAnchor": { "contextRef": "c-298", "name": "us-gaap:DefinedBenefitPlanPlanAssetsTargetAllocationPercentage", "unitRef": "number", "xsiNil": "false", "lang": "en-US", "decimals": "INF", "ancestors": [ "span", "td", "tr", "table", "div", "us-gaap:ScheduleOfAllocationOfPlanAssetsTableTextBlock", "ix:continuation", "body", "html" ], "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true }, "uniqueAnchor": { "contextRef": "c-298", "name": "us-gaap:DefinedBenefitPlanWeightedAverageAssetAllocations", "unitRef": "number", "xsiNil": "false", "lang": "en-US", "decimals": "INF", "ancestors": [ "span", "td", "tr", "table", "div", "us-gaap:ScheduleOfAllocationOfPlanAssetsTableTextBlock", "ix:continuation", "body", "html" ], "reportCount": 1, "baseRef": "hpe-20241031.htm", "unique": true }, "R73": { "role": "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansEstimatedFutureBenefitsPaymentsDetails", "longName": "9955551 - Disclosure - Retirement and Post-Retirement Benefit Plans - Estimated Future Benefits Payments (Details)", "shortName": "Retirement and Post-Retirement Benefit Plans - Estimated Future Benefits Payments (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "73", "firstAnchor": { "contextRef": "c-186", "name": "us-gaap:DefinedBenefitPlanExpectedFutureBenefitPaymentsNextTwelveMonths", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "6", "ancestors": [ "span", "td", "tr", "table", "div", "us-gaap:ScheduleOfExpectedBenefitPaymentsTableTextBlock", "ix:continuation", "body", "html" ], "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-186", "name": "us-gaap:DefinedBenefitPlanExpectedFutureBenefitPaymentsNextTwelveMonths", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "6", "ancestors": [ "span", "td", "tr", "table", "div", "us-gaap:ScheduleOfExpectedBenefitPaymentsTableTextBlock", "ix:continuation", "body", "html" ], "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true }, "R74": { "role": "http://www.hpe.com/role/StockBasedCompensationNarrativeDetails", "longName": "9955552 - Disclosure - Stock-Based Compensation - Narrative (Details)", "shortName": "Stock-Based Compensation - Narrative (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "74", "firstAnchor": { "contextRef": "c-386", "name": "us-gaap:ShareBasedCompensationArrangementByShareBasedPaymentAwardAwardVestingPeriod1", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": [ "span", "div", "ix:continuation", "body", "html" ], "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-386", "name": "us-gaap:ShareBasedCompensationArrangementByShareBasedPaymentAwardAwardVestingPeriod1", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": [ "span", "div", "ix:continuation", "body", "html" ], "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true }, "R75": { "role": "http://www.hpe.com/role/StockBasedCompensationScheduleofStockBasedCompensationExpenseandResultingTaxBenefitsDetails", "longName": "9955553 - Disclosure - Stock-Based Compensation - Schedule of Stock-Based Compensation Expense and Resulting Tax Benefits (Details)", "shortName": "Stock-Based Compensation - Schedule of Stock-Based Compensation Expense and Resulting Tax Benefits (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "75", "firstAnchor": { "contextRef": "c-1", "name": "us-gaap:AllocatedShareBasedCompensationExpense", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "6", "ancestors": [ "span", "td", "tr", "table", "div", "us-gaap:ScheduleOfCompensationCostForShareBasedPaymentArrangementsAllocationOfShareBasedCompensationCostsByPlanTableTextBlock", "ix:continuation", "body", "html" ], "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true }, "uniqueAnchor": { "contextRef": "c-1", "name": "us-gaap:EmployeeServiceShareBasedCompensationTaxBenefitFromCompensationExpense", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "6", "ancestors": [ "span", "td", "tr", "table", "div", "us-gaap:ScheduleOfCompensationCostForShareBasedPaymentArrangementsAllocationOfShareBasedCompensationCostsByPlanTableTextBlock", "ix:continuation", "body", "html" ], "reportCount": 1, "baseRef": "hpe-20241031.htm", "unique": true }, "R76": { "role": "http://www.hpe.com/role/StockBasedCompensationConsolidatedStatementofEarningsLocationofStockBasedCompensationExpenseDetails", "longName": "9955554 - Disclosure - Stock-Based Compensation - Consolidated Statement of Earnings Location of Stock-Based Compensation Expense (Details)", "shortName": "Stock-Based Compensation - Consolidated Statement of Earnings Location of Stock-Based Compensation Expense (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "76", "firstAnchor": { "contextRef": "c-1", "name": "us-gaap:AllocatedShareBasedCompensationExpense", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "6", "ancestors": [ "span", "td", "tr", "table", "div", "us-gaap:ScheduleOfCompensationCostForShareBasedPaymentArrangementsAllocationOfShareBasedCompensationCostsByPlanTableTextBlock", "ix:continuation", "body", "html" ], "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true }, "uniqueAnchor": { "contextRef": "c-402", "name": "us-gaap:AllocatedShareBasedCompensationExpense", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "6", "ancestors": [ "span", "td", "tr", "table", "div", "us-gaap:ScheduleOfEmployeeServiceShareBasedCompensationAllocationOfRecognizedPeriodCostsTableTextBlock", "ix:continuation", "body", "html" ], "reportCount": 1, "baseRef": "hpe-20241031.htm", "unique": true }, "R77": { "role": "http://www.hpe.com/role/StockBasedCompensationEmployeeStockPurchasePlanDetails", "longName": "9955555 - Disclosure - Stock-Based Compensation - Employee Stock Purchase Plan (Details)", "shortName": "Stock-Based Compensation - Employee Stock Purchase Plan (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "77", "firstAnchor": { "contextRef": "c-14", "name": "us-gaap:CommonStockSharesAuthorized", "unitRef": "shares", "xsiNil": "false", "lang": "en-US", "decimals": "INF", "ancestors": [ "span", "div", "td", "tr", "table", "div", "body", "html" ], "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true }, "uniqueAnchor": { "contextRef": "c-14", "name": "us-gaap:ShareBasedCompensationArrangementByShareBasedPaymentAwardMaximumEmployeeSubscriptionRate", "unitRef": "number", "xsiNil": "false", "lang": "en-US", "decimals": "INF", "ancestors": [ "span", "div", "ix:continuation", "body", "html" ], "reportCount": 1, "baseRef": "hpe-20241031.htm", "unique": true }, "R78": { "role": "http://www.hpe.com/role/StockBasedCompensationSummaryofRestrictedStockActivityDetails", "longName": "9955556 - Disclosure - Stock-Based Compensation - Summary of Restricted Stock Activity (Details)", "shortName": "Stock-Based Compensation - Summary of Restricted Stock Activity (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "78", "firstAnchor": { "contextRef": "c-408", "name": "us-gaap:ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsNonvestedNumber", "unitRef": "shares", "xsiNil": "false", "lang": "en-US", "decimals": "3", "ancestors": [ "span", "td", "tr", "table", "div", "us-gaap:NonvestedRestrictedStockSharesActivityTableTextBlock", "ix:continuation", "body", "html" ], "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true }, "uniqueAnchor": { "contextRef": "c-409", "name": "us-gaap:ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsGrantsInPeriod", "unitRef": "shares", "xsiNil": "false", "lang": "en-US", "decimals": "3", "ancestors": [ "span", "td", "tr", "table", "div", "us-gaap:Non
```


"unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-6", "ancestors": { "span": "td", "tr": "table", "div": "us-gaap:ScheduleOfUnrecognizedTaxBenefitsRollForwardTableTextBlock", "ix:continuation", "body", "html" }, "reportCount": 1, "baseRef": "hpe-20241031.htm", "unique": true }, "R83": { "role": "http://www.hpe.com/role/TaxesonEarningsComponentsDeferredTaxAssetsandDeferredTaxLiabilitiesDetails", "longName": "9955561 - Disclosure - Taxes on Earnings - Components of Deferred Tax Assets and Deferred Tax Liabilities (Details)", "shortName": "Taxes on Earnings - Components of Deferred Tax Assets and Deferred Tax Liabilities (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "83", "firstAnchor": { "contextRef": "c-14", "name": "us-gaap:DeferredTaxAssetsOperatingLossCarryforwards", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-6", "ancestors": { "span": "td", "tr": "table", "div": "us-gaap:ScheduleOfDeferredTaxAssetsAndLiabilitiesTableTextBlock", "ix:continuation", "body", "html" }, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-14", "name": "us-gaap:DeferredTaxAssetsOperatingLossCarryforwards", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-6", "ancestors": { "span": "td", "tr": "table", "div": "us-gaap:ScheduleOfDeferredTaxAssetsAndLiabilitiesTableTextBlock", "ix:continuation", "body", "html" }, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true }, "R84": { "role": "http://www.hpe.com/role/TaxesonEarningsDeferredTaxAssetsandLiabilitiesIncludedInCondensedConsolidatedBalanceSheetsDetails", "longName": "9955562 - Disclosure - Taxes on Earnings - Deferred Tax Assets and Liabilities Included in Condensed Consolidated Balance Sheets (Details)", "shortName": "Taxes on Earnings - Deferred Tax Assets and Liabilities Included in Condensed Consolidated Balance Sheets (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "84", "firstAnchor": { "contextRef": "c-14", "name": "us-gaap:DeferredIncomeTaxAssetsNet", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-6", "ancestors": { "span": "td", "tr": "table", "div": "hpe:ScheduleOfClassificationOfDeferredTaxAssetsAndLiabilitiesTableTextBlock", "ix:continuation", "body", "html" }, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true }, "R85": { "role": "http://www.hpe.com/role/TaxesonEarningsScheduleOfTaxCreditCarryforwardsAndAllowancesDetails", "longName": "9955563 - Disclosure - Taxes on Earnings - Schedule of Tax Credit Carryforwards and Allowances (Details)", "shortName": "Taxes on Earnings - Schedule of Tax Credit Carryforwards and Allowances (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "85", "firstAnchor": { "contextRef": "c-14", "name": "us-gaap:DeferredTaxAssetsTaxCreditCarryforwardsForeign", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-6", "ancestors": { "span": "td", "tr": "table", "div": "ix:continuation", "body", "html" }, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-14", "name": "us-gaap:DeferredTaxAssetsTaxCreditCarryforwardsForeign", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-6", "ancestors": { "span": "td", "tr": "table", "div": "ix:continuation", "body", "html" }, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true }, "R86": { "role": "http://www.hpe.com/role/BalanceSheetDetailsScheduleofCashandCashEquivalentsDetails", "longName": "9955564 - Disclosure - Balance Sheet Details - Schedule of Cash and Cash Equivalents (Details)", "shortName": "Balance Sheet Details - Schedule of Cash and Cash Equivalents (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "86", "firstAnchor": { "contextRef": "c-14", "name": "us-gaap:CashAndCashEquivalentsAtCarryingValue", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-6", "ancestors": { "span": "td", "tr": "table", "div": "us-gaap:ScheduleOfCashAndCashEquivalentsTableTextBlock", "ix:continuation", "body", "html" }, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true }, "R87": { "role": "http://www.hpe.com/role/BalanceSheetDetailsAccountsReceivableNetDetails", "longName": "9955565 - Disclosure - Balance Sheet Details - Accounts Receivable, Net (Details)", "shortName": "Balance Sheet Details - Accounts Receivable, Net (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "87", "firstAnchor": { "contextRef": "c-14", "name": "us-gaap:AccountsReceivableGrossCurrent", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-6", "ancestors": { "span": "td", "tr": "table", "div": "us-gaap:ScheduleOfAccountsNotesLoansAndFinancingReceivableTextBlock", "ix:continuation", "body", "html" }, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-14", "name": "us-gaap:AccountsReceivableGrossCurrent", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-6", "ancestors": { "span": "td", "tr": "table", "div": "us-gaap:ScheduleOfAccountsNotesLoansAndFinancingReceivableTextBlock", "ix:continuation", "body", "html" }, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true }, "R88": { "role": "http://www.hpe.com/role/BalanceSheetDetailsAllowanceforDoubtfulAccountsDetails", "longName": "9955566 - Disclosure - Balance Sheet Details - Allowance for Doubtful Accounts (Details)", "shortName": "Balance Sheet Details - Allowance for Doubtful Accounts (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "88", "firstAnchor": { "contextRef": "c-15", "name": "us-gaap:AllowanceForDoubtfulAccountsReceivableCurrent", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-6", "ancestors": { "span": "td", "tr": "table", "div": "hpe:ScheduleOfTradeReceivablesSoldAndCashReceivedTableTextBlock", "ix:continuation", "body", "html" }, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-15", "name": "hpe:AllowanceForDoubtfulAccountsReceivableAdditionOfBadDebtProvision", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-6", "ancestors": { "span": "td", "tr": "table", "div": "hpe:ScheduleOfTradeReceivablesSoldAndCashReceivedTableTextBlock", "ix:continuation", "body", "html" }, "reportCount": 1, "baseRef": "hpe-20241031.htm", "unique": true }, "R89": { "role": "http://www.hpe.com/role/BalanceSheetDetailsRevolvingShortTermFinancingReceivableDetails", "longName": "9955567 - Disclosure - Balance Sheet Details - Revolving Short-Term Financing Receivable (Details)", "shortName": "Balance Sheet Details - Revolving Short-Term Financing Receivable (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "89", "firstAnchor": { "contextRef": "c-15", "name": "hpe:ReceivablesSoldButNotCollectedFromThirdParty", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-6", "ancestors": { "span": "td", "tr": "table", "div": "hpe:ScheduleOfReceivablesSoldButNotCollectedFromThirdPartyTableTextBlock", "ix:continuation", "body", "html" }, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-18", "name": "hpe:ReceivablesSoldButNotCollectedFromThirdParty", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-6", "ancestors": { "span": "td", "tr": "table", "div": "hpe:ScheduleOfReceivablesSoldButNotCollectedFromThirdPartyTableTextBlock", "ix:continuation", "body", "html" }, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true }, "R90": { "role": "http://www.hpe.com/role/BalanceSheetDetailsInventoryDetails", "longName": "9955568 - Disclosure - Balance Sheet Details - Inventory (Details)", "shortName": "Balance Sheet Details - Inventory (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "90", "firstAnchor": { "contextRef": "c-14", "name": "us-gaap:InventoryWorkInProcessAndRawMaterialsNetOfReserves", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-6", "ancestors": { "span": "td", "tr": "table", "div": "us-gaap:ScheduleOfInventoryCurrentTableTextBlock", "ix:continuation", "body", "html" }, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true }, "R91": { "role": "http://www.hpe.com/role/BalanceSheetDetailsPropertyPlantandEquipmentDetails", "longName": "9955569 - Disclosure - Balance Sheet Details - Property, Plant and Equipment (Details)", "shortName": "Balance Sheet Details - Property, Plant and Equipment (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "91", "firstAnchor": { "contextRef": "c-14", "name": "us-gaap:PropertyPlantAndEquipmentGross", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-6", "ancestors": { "span": "td", "tr": "table", "div": "us-gaap:PropertyPlantAndEquipmentTextBlock", "ix:continuation", "body", "html" }, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true }, "R92": { "role": "http://www.hpe.com/role/BalanceSheetDetailsLongTermFinancingReceivablesandOtherAssetsDetails", "longName": "9955570 - Disclosure - Balance Sheet Details - Long-Term Financing Receivables and Other Assets (Details)", "shortName": "Balance Sheet Details - Long-Term Financing Receivables and Other Assets (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "92", "firstAnchor": { "contextRef": "c-14", "name": "us-gaap:NotesAndLoansReceivableNetNoncurrent", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-6", "ancestors": { "span": "td", "tr": "table", "div": "ix:continuation", "body", "html" }, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-14", "name": "us-gaap:NotesAndLoansReceivableNetNoncurrent", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-6", "ancestors": { "span": "td", "tr": "table", "div": "ix:continuation", "body", "html" }, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true }, "R93": { "role": "http://www.hpe.com/role/BalanceSheetDetailsOtherAccruedLiabilitiesDetails", "longName": "9955571 - Disclosure - Balance Sheet Details - Other Accrued Liabilities (Details)", "shortName": "Balance Sheet Details - Other Accrued Liabilities (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "93", "firstAnchor": { "contextRef": "c-14", "name": "us-gaap:AccruedMarketingCostsCurrent", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-6", "ancestors": { "span": "td", "tr": "table", "div": "us-gaap:OtherCurrentLiabilitiesTableTextBlock", "ix:continuation", "body", "html" }, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true }, "R94": { "role": "http://www.hpe.com/role/BalanceSheetDetailsOtherNonCurrentLiabilitiesDetails", "longName": "9955572 - Disclosure - Balance Sheet Details - Other Non-Current Liabilities (Details)", "shortName": "Balance Sheet Details - Other Non-Current Liabilities (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "94", "firstAnchor": { "contextRef": "c-14", "name": "us-gaap:ContractWithCustomerLiabilityNoncurrent", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-6", "ancestors": { "span": "td", "tr": "table", "div": "us-gaap:ContractWithCustomerAssetAndLiabilityTableTextBlock", "ix:continuation", "body", "html" }, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true }, "R95": { "role": "http://www.hpe.com/role/BalanceSheetDetailsChangesinAggregateProductWarrantyLiabilitiesDetails", "longName": "9955573 - Disclosure - Balance Sheet Details - Changes in Aggregate Product Warranty Liabilities (Details)", "shortName": "Balance Sheet Details - Changes in Aggregate Product Warranty Liabilities (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "95", "firstAnchor": { "contextRef": "c-15", "name": "us-gaap:ProductWarrantyAccrual", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-6", "ancestors": { "span": "td", "tr": "table", "div": "ix:continuation", "body", "html" }, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true }, "R96": { "role": "http://www.hpe.com/role/BalanceSheetDetailsContractsLiabilitiesDetails", "longName": "9955574 - Disclosure - Balance Sheet Details - Contracts Liabilities (Details)", "shortName": "Balance Sheet Details - Contracts Liabilities (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "96", "firstAnchor": { "contextRef": "c-14", "name": "hpe:ContractWithCustomerLiabilityCustomerDepositsCurrent", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-6", "ancestors": { "span": "td", "tr": "table", "div": "us-gaap:ContractWithCustomerAssetAndLiabilityTableTextBlock", "ix:continuation", "body", "html" }, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true }, "R97": { "role": "http://www.hpe.com/role/BalanceSheetDetailsNarrativeDetails", "longName": "9955575 - Disclosure - Balance Sheet Details - Narrative (Details)", "shortName": "Balance Sheet Details - Narrative (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "97", "firstAnchor": { "contextRef": "c-14", "name": "us-gaap:ContractWithCustomerLiabilityCurrent", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-6", "ancestors": { "span": "td", "tr": "table", "div": "us-gaap:SupplierFinanceProgramObligation", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-6", "ancestors": { "ix:continuation", "span": "div", "ix:continuation", "body", "html" }, "reportCount": 1, "baseRef": "hpe-20241031.htm", "unique": true }, "R98": { "role": "http://www.hpe.com/role/BalanceSheetDetailsRemainingPerformanceObligationDetails", "longName": "9955576 - Disclosure - Balance Sheet Details - Remaining Performance Obligation (Details)", "shortName": "Balance Sheet Details - Remaining Performance Obligation (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "98", "firstAnchor": { "contextRef": "c-433", "name": "us-gaap:RevenueRemainingPerformanceObligationPercentage", "unitRef": "number", "xsiNil": "false", "lang": "en-US", "decimals": "-2", "ancestors": { "span": "div", "ix:continuation", "body", "html" }, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true }, "R99": { "role": "http://www.hpe.com/role/AccountingforLeasesasaLesseeOperatingLeaseCostDetails", "longName": "9955577 - Disclosure - Accounting for Leases as a Lessee - Operating Lease Cost (Details)", "shortName": "Accounting for Leases as a Lessee - Operating Lease Cost (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "99", "firstAnchor": { "contextRef": "c-1", "name": "us-gaap:OperatingLeaseCost", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-6", "ancestors": { "span": "td", "tr": "table", "div": "us-

gaap:LeaseCostTableTextBlock", "ix:continuation", "ix:continuation", "body", "html" |, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-14", "name": "us-gaap:OperatingLeaseCost", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "6", "ancestors": { "span": "td", "tr": "table", "div": "us-gaap:LeaseCostTableTextBlock", "ix:continuation", "ix:continuation", "body", "html" |, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true } }, "R100": { "role": "http://www.hpe.com/role/AccountingforLeasesasaLesseeLeasesIncludedintheConsolidatedBalanceSheetsDetails", "longName": "9955578 - Disclosure - Accounting for Leases as a Lessee - Leases Included in the Consolidated Balance Sheets (Details)", "shortName": "Accounting for Leases as a Lessee - Leases Included in the Consolidated Balance Sheets (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "100", "firstAnchor": { "contextRef": "c-14", "name": "us-gaap:OperatingLeaseRightOfUseAsset", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "6", "ancestors": { "span": "td", "tr": "table", "div": "ix:continuation", "ix:continuation", "body", "html" |, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-14", "name": "hpe:FinanceLeaseRightOfUseAssetGross", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "6", "ancestors": { "span": "td", "tr": "table", "div": "hpe:AssetsAndLiabilitiesLesseeTableTextBlock", "ix:continuation", "ix:continuation", "body", "html" |, "reportCount": 1, "baseRef": "hpe-20241031.htm", "unique": true } }, "R101": { "role": "http://www.hpe.com/role/AccountingforLeasesasaLesseeAdditionalLeaseInformationDetails", "longName": "9955579 - Disclosure - Accounting for Leases as a Lessee - Additional Lease Information (Details)", "shortName": "Accounting for Leases as a Lessee - Additional Lease Information (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "101", "firstAnchor": { "contextRef": "c-14", "name": "us-gaap:OperatingLeaseWeightedAverageRemainingLeaseTerm1", "unitRef": "null", "xsiNil": "false", "lang": "en-US", "decimals": "null", "ancestors": { "span": "td", "tr": "table", "div": "ix:continuation", "ix:continuation", "ix:continuation", "body", "html" |, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-14", "name": "us-gaap:OperatingLeaseWeightedAverageRemainingLeaseTerm1", "unitRef": "null", "xsiNil": "false", "lang": "en-US", "decimals": "null", "ancestors": { "span": "td", "tr": "table", "div": "ix:continuation", "ix:continuation", "ix:continuation", "body", "html" |, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true } }, "R102": { "role": "http://www.hpe.com/role/AccountingforLeasesasaLesseeFutureMinimumLeaseCommitmentsDetails", "longName": "9955580 - Disclosure - Accounting for Leases as a Lessee - Future Minimum Lease Commitments (Details)", "shortName": "Accounting for Leases as a Lessee - Future Minimum Lease Commitments (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "102", "firstAnchor": { "contextRef": "c-14", "name": "us-gaap:LesseeOperatingLeaseLiabilityPaymentsDueNextTwelveMonths", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "6", "ancestors": { "span": "td", "tr": "table", "div": "us-gaap:LesseeOperatingLeaseLiabilityMaturityTableTextBlock", "ix:continuation", "ix:continuation", "body", "html" |, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-14", "name": "us-gaap:LesseeOperatingLeaseLiabilityMaturityTableTextBlock", "ix:continuation", "ix:continuation", "body", "html" |, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true } }, "R103": { "role": "http://www.hpe.com/role/AccountingforLeasesasaLessorNarrativeDetails", "longName": "9955581 - Disclosure - Accounting for Leases as a Lessor - Narrative (Details)", "shortName": "Accounting for Leases as a Lessor - Narrative (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "103", "firstAnchor": { "contextRef": "c-1", "name": "hpe:FinancingReceivableTermRangeMaximum", "unitRef": "null", "xsiNil": "false", "lang": "en-US", "decimals": "null", "ancestors": { "span": "div", "ix:continuation", "body", "html" |, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true } }, "R104": { "role": "http://www.hpe.com/role/AccountingforLeasesasaLessorComponentsofFinancingReceivablesDetails", "longName": "9955582 - Disclosure - Accounting for Leases as a Lessor - Components of Financing Receivables (Details)", "shortName": "Accounting for Leases as a Lessor - Components of Financing Receivables (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "104", "firstAnchor": { "contextRef": "c-14", "name": "us-gaap:SalesTypeAndDirectFinancingLeasesLeaseReceivablePaymentsToBeReceived", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "6", "ancestors": { "span": "td", "tr": "table", "div": "ix:continuation", "ix:continuation", "body", "html" |, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-14", "name": "hpe:LeasesUnguaranteedResidualValuesOfLeasedProperty", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "6", "ancestors": { "span": "td", "tr": "table", "div": "ix:continuation", "ix:continuation", "body", "html" |, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true } }, "R105": { "role": "http://www.hpe.com/role/AccountingforLeasesasaLessorFinanceLeaseReceivableMaturityDetails", "longName": "9955583 - Disclosure - Accounting for Leases as a Lessor - Finance Lease Receivable Maturity (Details)", "shortName": "Accounting for Leases as a Lessor - Finance Lease Receivable Maturity (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "105", "firstAnchor": { "contextRef": "c-14", "name": "us-gaap:SalesTypeAndDirectFinancingLeasesLeaseReceivablePaymentsToBeReceivedNextTwelveMonths", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "6", "ancestors": { "span": "td", "tr": "table", "div": "us-gaap:SalesTypeAndDirectFinancingLeasesLeaseReceivableMaturityTableTextBlock", "ix:continuation", "body", "html" |, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-14", "name": "us-gaap:SalesTypeAndDirectFinancingLeasesLeaseReceivablePaymentsToBeReceivedNextTwelveMonths", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "6", "ancestors": { "span": "td", "tr": "table", "div": "us-gaap:SalesTypeAndDirectFinancingLeasesLeaseReceivableMaturityTableTextBlock", "ix:continuation", "body", "html" |, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true } }, "R106": { "role": "http://www.hpe.com/role/AccountingforLeasesasaLessorCreditRiskProfileofFinancingReceivablesDetails", "longName": "9955584 - Disclosure - Accounting for Leases as a Lessor - Credit Risk Profile of Financing Receivables (Details)", "shortName": "Accounting for Leases as a Lessor - Credit Risk Profile of Financing Receivables (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "106", "firstAnchor": { "contextRef": "c-14", "name": "us-gaap:NotesReceivableGross", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "6", "ancestors": { "span": "td", "tr": "table", "div": "us-gaap:PastDueFinancingReceivablesTableTextBlock", "ix:continuation", "body", "html" |, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-434", "name": "us-gaap:FinancingReceivableOriginatedInCurrentFiscalYear", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "6", "ancestors": { "span": "td", "tr": "table", "div": "us-gaap:FinancingReceivableCreditQualityIndicatorsTableTextBlock", "ix:continuation", "body", "html" |, "reportCount": 1, "baseRef": "hpe-20241031.htm", "unique": true } }, "R107": { "role": "http://www.hpe.com/role/AccountingforLeasesasaLessorAllowanceforDoubtfulAccountsforFinancingReceivablesDetails", "longName": "9955585 - Disclosure - Accounting for Leases as a Lessor - Allowance for Doubtful Accounts for Financing Receivables (Details)", "shortName": "Accounting for Leases as a Lessor - Allowance for Doubtful Accounts for Financing Receivables (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "107", "firstAnchor": { "contextRef": "c-15", "name": "us-gaap:FinancingReceivableAllowanceForCreditLosses", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "6", "ancestors": { "span": "td", "tr": "table", "div": "hpe:AllowanceForDoubtfulAccountsTableTextBlock", "ix:continuation", "body", "html" |, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-1", "name": "us-gaap:ProvisionForLoanLossesExpensed", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "6", "ancestors": { "span": "td", "tr": "table", "div": "hpe:AllowanceForDoubtfulAccountsTableTextBlock", "ix:continuation", "body", "html" |, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true } }, "R108": { "role": "http://www.hpe.com/role/AccountingforLeasesasaLessorSummaryofAgingandNonaccrualStatusofGrossFinancingReceivablesDetails", "longName": "9955586 - Disclosure - Accounting for Leases as a Lessor - Summary of Aging and Non-accrual Status of Gross Financing Receivables (Details)", "shortName": "Accounting for Leases as a Lessor - Summary of Aging and Non-accrual Status of Gross Financing Receivables (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "108", "firstAnchor": { "contextRef": "c-14", "name": "us-gaap:NotesReceivableGross", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "6", "ancestors": { "span": "td", "tr": "table", "div": "us-gaap:PastDueFinancingReceivablesTableTextBlock", "ix:continuation", "body", "html" |, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-14", "name": "us-gaap:FinancingReceivableRecordedInvestmentNonaccrualStatus", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "6", "ancestors": { "span": "td", "tr": "table", "div": "us-gaap:PastDueFinancingReceivablesTableTextBlock", "ix:continuation", "body", "html" |, "reportCount": 1, "baseRef": "hpe-20241031.htm", "unique": true } }, "R109": { "role": "http://www.hpe.com/role/AccountingforLeasesasaLessorOperatingLeaseAssetsIncludedinMachineryandEquipmentDetails", "longName": "9955587 - Disclosure - Accounting for Leases as a Lessor - Operating Lease Assets Included in Machinery and Equipment (Details)", "shortName": "Accounting for Leases as a Lessor - Operating Lease Assets Included in Machinery and Equipment (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "109", "firstAnchor": { "contextRef": "c-14", "name": "us-gaap:PropertySubjectToOrAvailableForOperatingLeaseGross", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "6", "ancestors": { "span": "td", "tr": "table", "div": "hpe:LessorOperatingLeaseCarryingValueOfAssetsSubjectToLeasesTableTextBlock", "ix:continuation", "body", "html" |, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-14", "name": "us-gaap:PropertySubjectToOrAvailableForOperatingLeaseGross", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "6", "ancestors": { "span": "td", "tr": "table", "div": "hpe:LessorOperatingLeaseCarryingValueOfAssetsSubjectToLeasesTableTextBlock", "ix:continuation", "body", "html" |, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true } }, "R110": { "role": "http://www.hpe.com/role/AccountingforLeasesasaLessorOperatingLeasePaymentsMaturityDetails", "longName": "9955588 - Disclosure - Accounting for Leases as a Lessor - Operating Lease Payments Maturity (Details)", "shortName": "Accounting for Leases as a Lessor - Operating Lease Payments Maturity (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "110", "firstAnchor": { "contextRef": "c-14", "name": "us-gaap:LessorOperatingLeasePaymentsToBeReceivedNextTwelveMonths", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "6", "ancestors": { "span": "td", "tr": "table", "div": "us-gaap:LessorOperatingLeasePaymentsToBeReceivedMaturityTableTextBlock", "ix:continuation", "body", "html" |, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-14", "name": "us-gaap:LessorOperatingLeasePaymentsToBeReceivedNextTwelveMonths", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "6", "ancestors": { "span": "td", "tr": "table", "div": "us-gaap:LessorOperatingLeasePaymentsToBeReceivedMaturityTableTextBlock", "ix:continuation", "body", "html" |, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true } }, "R111": { "role": "http://www.hpe.com/role/AccountingforLeasesasaLessorLessorActivityIncludedinIncomeStatementDetails", "longName": "9955589 - Disclosure - Accounting for Leases as a Lessor - Lessor Activity Included in Income Statement (Details)", "shortName": "Accounting for Leases as a Lessor - Lessor Activity Included in Income Statement (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "111", "firstAnchor": { "contextRef": "c-1", "name": "us-gaap:SalesTypeAndDirectFinancingLeasesInterestIncome", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "6", "ancestors": { "span": "td", "tr": "table", "div": "hpe:LessorLeaseActivityTableTextBlock", "ix:continuation", "body", "html" |, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-1", "name": "us-gaap:SalesTypeAndDirectFinancingLeasesInterestIncome", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "6", "ancestors": { "span": "td", "tr": "table", "div": "hpe:LessorLeaseActivityTableTextBlock", "ix:continuation", "body", "html" |, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true } }, "R112": { "role": "http://www.hpe.com/role/AccountingforLeasesasaLessorAssetsandLiabilitiesofVIEDetails", "longName": "9955590 - Disclosure - Accounting for Leases as a Lessor - Assets and Liabilities of VIE (Details)", "shortName": "Accounting for Leases as a Lessor - Assets and Liabilities of VIE (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "112", "firstAnchor": { "contextRef": "c-451", "name": "hpe:VariableInterestEntityConsolidatedAssetsOtherAssetsCurrent", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "6", "ancestors": { "span": "td", "tr": "table", "div": "ix:continuation", "ix:continuation", "body", "html" |, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true } }, "R113": { "role": "http://www.hpe.com/role/AcquisitionsandDispositionsNarrativeDetails", "longName": "9955591 - Disclosure - Acquisitions and Dispositions - Narrative (Details)", "shortName": "Acquisitions and Dispositions - Narrative (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "113", "firstAnchor": { "contextRef": "c-1", "name": "us-gaap:NumberofBusinessesAcquired", "unitRef": "businessacquired", "xsiNil": "false", "lang": "en-US", "decimals": "INF", "ancestors": { "span": "div", "ix:continuation", "body", "html" |, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-1", "name": "us-gaap:NumberofBusinessesAcquired", "unitRef": "businessacquired", "xsiNil": "false", "lang": "en-US", "decimals": "INF", "ancestors": { "span": "div", "ix:continuation", "body", "html" |, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true } }, "R114": { "role": "http://www.hpe.com/role/AcquisitionsandDispositionsAggregatePurchasePriceAllocationDetails", "longName": "9955592 - Disclosure - Acquisitions - Aggregate Purchase Price Allocation (Details)", "shortName": "Acquisitions and Dispositions - Aggregate Purchase Price Allocation (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "114", "firstAnchor": { "contextRef": "c-14", "name": "us-gaap:Goodwill", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "6", "ancestors": { "span": "td", "tr": "table", "div": "us-gaap:ScheduleOfGoodwillTextBlock", "ix:continuation", "body", "html" |, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-458", "name": "us-gaap:BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedLiabilities", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "6",

"ancestors": f "span", "td", "tr", "table", "div", "us-gaap:ScheduleOfRecognizedIdentifiedAssetsAcquiredAndLiabilitiesAssumedTableTextBlock", "ix:continuation", "body", "html", "reportCount": 1, "baseRef": "hpe-20241031.htm", "unique": true }, "R115": f "role":

"http://www.hpe.com/role/GoodwillandIntangibleAssetsCarryingValueOfGoodwillByReportableSegmentDetails", "longName": "9955593 - Disclosure - Goodwill and Intangible Assets - Carrying Value of Goodwill by Reportable Segment (Details)", "shortName": "Goodwill and Intangible Assets - Carrying Value of Goodwill by Reportable Segment (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "115", "firstAnchor": f "contextRef": "c-15", "name": "us-gaap:Goodwill", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-6", "ancestors": f "span", "td", "tr", "table", "div", "body", "html", "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true }, "R116": f "role":

"http://www.hpe.com/role/GoodwillandIntangibleAssetsNarrativeDetails", "longName": "9955594 - Disclosure - Goodwill and Intangible Assets - Narrative (Details)", "shortName": "Goodwill and Intangible Assets - Narrative (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "116", "firstAnchor": f "contextRef": "c-15", "name": "us-gaap:Goodwill", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-6", "ancestors": f "span", "td", "tr", "table", "div", "body", "html", "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true }, "R117": f "role":

"http://www.hpe.com/role/GoodwillandIntangibleAssetsIntangibleAssetsDetails", "longName": "9955595 - Disclosure - Goodwill and Intangible Assets - Intangible Assets (Details)", "shortName": "Goodwill and Intangible Assets - Intangible Assets (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "117", "firstAnchor": f "contextRef": "c-14", "name": "us-gaap:IntangibleAssetsGrossExcludingGoodwill", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-6", "ancestors": f "span", "td", "tr", "table", "div", "body", "html", "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true }, "R118": f "role":

"http://www.hpe.com/role/GoodwillandIntangibleAssetsEstimatedFutureAmortizationExpenseOfIntangibleAssetsDetails", "longName": "9955596 - Disclosure - Goodwill and Intangible Assets - Estimated Future Amortization Expense of Intangible Assets (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "118", "firstAnchor": f "contextRef": "c-14", "name": "us-gaap:FiniteLivedIntangibleAssetsAmortizationExpenseNextTwelveMonths", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-6", "ancestors": f "span", "td", "tr", "table", "div", "body", "html", "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true }, "R119": f "role":

"http://www.hpe.com/role/FairValueScheduleOfAssetsandLiabilitiesonaRecurringBasisDetails", "longName": "9955597 - Disclosure - Fair Value - Schedule of Assets and Liabilities on a Recurring Basis (Details)", "shortName": "Fair Value - Schedule of Assets and Liabilities on a Recurring Basis (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "119", "firstAnchor": f "contextRef": "c-550", "name": "us-gaap:AssetsFairValueDisclosure", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-6", "ancestors": f "span", "td", "tr", "table", "div", "body", "html", "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true }, "R120": f "role":

"http://www.hpe.com/role/FairValueNarrativeDetails", "longName": "9955598 - Disclosure - Fair Value - Narrative (Details)", "shortName": "Fair Value - Narrative (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "120", "firstAnchor": f "contextRef": "c-15", "name": "us-gaap:DebtInstrumentFairValue", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-8", "ancestors": f "span", "td", "tr", "table", "div", "body", "html", "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true }, "R121": f "role":

"http://www.hpe.com/role/FinancialInstrumentsCashEquivalentsandAvailableforSaleInvestmentsDetails", "longName": "9955599 - Disclosure - Financial Instruments - Cash Equivalents and Available for Sale Investments (Details)", "shortName": "Financial Instruments - Cash Equivalents and Available for Sale Investments (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "121", "firstAnchor": f "contextRef": "c-586", "name": "us-gaap:CashEquivalentsAtCarryingValue", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-6", "ancestors": f "span", "td", "tr", "table", "div", "body", "html", "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true }, "R122": f "role":

"http://www.hpe.com/role/FinancialInstrumentsReconciliationTableTextBlock", "ix:continuation", "body", "html", "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true }, "R123": f "role":

"http://www.hpe.com/role/FinancialInstrumentsContractualMaturitiesofInvestmentsinAvailableforSaleDebtSecuritiesDetails", "longName": "9955601 - Disclosure - Financial Instruments - Contractual Maturities of Investments in Available for Sale Debt Securities (Details)", "shortName": "Financial Instruments - Contractual Maturities of Investments in Available for Sale Debt Securities (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "123", "firstAnchor": f "contextRef": "c-14", "name": "hpe:AvailableForSaleSecuritiesDebtMaturitiesAfterFiveYearsAmortizedCost", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-6", "ancestors": f "span", "td", "tr", "table", "div", "body", "html", "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true }, "R124": f "role":

"http://www.hpe.com/role/FinancialInstrumentsGrossNotionalandFairValueofInstrumentsintheBalanceSheetsDetails", "longName": "9955602 - Disclosure - Financial Instruments - Gross Notional and Fair Value of Instruments in the Balance Sheets (Details)", "shortName": "Financial Instruments - Gross Notional and Fair Value of Instruments in the Balance Sheets (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "124", "firstAnchor": f "contextRef": "c-14", "name": "us-gaap:DerivativeNotionalAmount", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-6", "ancestors": f "span", "td", "tr", "table", "div", "body", "html", "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true }, "R125": f "role":

"http://www.hpe.com/role/FinancialInstrumentsOffsettingAssetsandLiabilitiesDetails", "longName": "9955603 - Disclosure - Financial Instruments - Offsetting Assets and Liabilities (Details)", "shortName": "Financial Instruments - Offsetting Assets and Liabilities (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "125", "firstAnchor": f "contextRef": "c-14", "name": "us-gaap:DerivativeAssetFairValueGrossAssetIncludingNotSubjectToMasterNettingArrangement", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-6", "ancestors": f "span", "td", "tr", "table", "div", "body", "html", "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true }, "R126": f "role":

"http://www.hpe.com/role/FinancialInstrumentsAmountsRecordedintheBalanceSheetsDetails", "longName": "9955604 - Disclosure - Financial Instruments - Amounts Recorded in the Balance Sheets (Details)", "shortName": "Financial Instruments - Amounts Recorded in the Balance Sheets (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "126", "firstAnchor": f "contextRef": "c-424", "name": "us-gaap:DerivativeAssetsLiabilitiesAtFairValueNet", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-6", "ancestors": f "span", "td", "tr", "table", "div", "body", "html", "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true }, "R127": f "role":

"http://www.hpe.com/role/FinancialInstrumentsPretaxEffectofDerivativeInstrumentsinHedgingRelationshipsonOCIDetails", "longName": "9955605 - Disclosure - Financial Instruments - Pre-tax Effect of Derivative Instruments in Hedging Relationships on OCI (Details)", "shortName": "Financial Instruments - Pre-tax Effect of Derivative Instruments in Hedging Relationships on OCI (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "127", "firstAnchor": f "contextRef": "c-1", "name": "us-gaap:OtherComprehensiveIncomeLossCashFlowHedgeGainLossBeforeReclassificationAndTax", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-6", "ancestors": f "span", "td", "tr", "table", "div", "body", "html", "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true }, "R128": f "role":

"http://www.hpe.com/role/FinancialInstrumentsPretaxEffectofDerivativeInstrumentsonStatementofEarningsDetails", "longName": "9955606 - Disclosure - Financial Instruments - Pre-tax Effect of Derivative Instruments on Statement of Earnings (Details)", "shortName": "Financial Instruments - Pre-tax Effect of Derivative Instruments on Statement of Earnings (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "128", "firstAnchor": f "contextRef": "c-1", "name": "us-gaap:Revenues", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-6", "ancestors": f "span", "td", "tr", "table", "div", "body", "html", "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true }, "R129": f "role":

"http://www.hpe.com/role/BorrowingsNotesPayableandShortTermBorrowingsDetails", "longName": "9955607 - Disclosure - Borrowings - Notes Payable and Short-Term Borrowings (Details)", "shortName": "Borrowings - Notes Payable and Short-Term Borrowings (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "129", "firstAnchor": f "contextRef": "c-14", "name": "us-gaap:LongTermDebtCurrent", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-6", "ancestors": f "span", "td", "tr", "table", "div",

```


### hpe:SchedulofShortTermDebtandCurrentPortionofLongTermDebtTableTextBlock", "ix:continuation", "body", "html" |, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true |, "uniqueAnchor": f "contextRef": "c-14", "name": "us-gaap:LongTermDebtCurrent", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "6", "ancestors": f "span": "td", "tr": "table", "div": "hpe:SchedulofShortTermDebtandCurrentPortionofLongTermDebtTableTextBlock", "ix:continuation", "body", "html" |, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true |, "R130": f "role": "http://www.hpe.com/role/BorrowingsLongTermDebtDetails", "longName": "9955608 - Disclosure - Borrowings - Long-Term Debt (Details)", "shortName": "Borrowings - Long-Term Debt (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "130", "firstAnchor": f "contextRef": "c-14", "name": "us-gaap:DeferredGainLossOnDiscontinuationOfInterestRateFairValueHedge", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "6", "ancestors": f "span": "div", "us-gaap:ScheduleOfMaturitiesOfLongTermDebtTableTextBlock", "ix:continuation", "body", "html" |, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true |, "uniqueAnchor": f "contextRef": "c-14", "name": "us-gaap:UnamortizedDebtIssuanceExpense", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "6", "ancestors": f "span": "td", "tr": "table", "div": "ix:continuation", "us-gaap:ScheduleOfDebtInstrumentsTextBlock", "body", "html" |, "reportCount": 1, "baseRef": "hpe-20241031.htm", "unique": true |, "R131": f "role": "http://www.hpe.com/role/BorrowingsNarrativeDetails", "longName": "9955609 - Disclosure - Borrowings - Narrative (Details)", "shortName": "Borrowings - Narrative (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "131", "firstAnchor": f "contextRef": "c-14", "name": "us-gaap:DebtWeightedAverageInterestRate", "unitRef": "number", "xsiNil": "false", "lang": "en-US", "decimals": "3", "ancestors": f "span": "td", "tr": "table", "div": "hpe:SchedulofShortTermDebtandCurrentPortionofLongTermDebtTableTextBlock", "ix:continuation", "body", "html" |, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true |, "uniqueAnchor": f "contextRef": "c-14", "name": "us-gaap:DebtInstrumentUnamortizedDiscount", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "6", "ancestors": f "span": "div", "us-gaap:ScheduleOfMaturitiesOfLongTermDebtTableTextBlock", "ix:continuation", "body", "html" |, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true |, "R132": f "role": "http://www.hpe.com/role/BorrowingsFutureMaturitiesofLongTermDebtDetails", "longName": "9955610 - Disclosure - Borrowings - Future Maturities of Long Term Debt (Details)", "shortName": "Borrowings - Future Maturities of Long Term Debt (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "132", "firstAnchor": f "contextRef": "c-14", "name": "us-gaap:LongTermDebtMaturitiesRepaymentsOfPrincipalInNextTwelveMonths", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "6", "ancestors": f "span": "td", "tr": "table", "div": "us-gaap:ScheduleOfMaturitiesOfLongTermDebtTableTextBlock", "ix:continuation", "body", "html" |, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true |, "uniqueAnchor": f "contextRef": "c-14", "name": "us-gaap:LongTermDebtMaturitiesRepaymentsOfPrincipalInNextTwelveMonths", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "6", "ancestors": f "span": "td", "tr": "table", "div": "us-gaap:ScheduleOfMaturitiesOfLongTermDebtTableTextBlock", "ix:continuation", "body", "html" |, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true |, "R133": f "role": "http://www.hpe.com/role/StockholdersEquityComponentsofAOCIDetails", "longName": "9955611 - Disclosure - Stockholders' Equity - Components of AOCI (Details)", "shortName": "Stockholders' Equity - Components of AOCI (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "133", "firstAnchor": f "contextRef": "c-15", "name": "us-gaap:StockholdersEquityIncludingPortionAttributableToNoncontrollingInterest", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "6", "ancestors": f "span": "td", "tr": "table", "div": "body", "html" |, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true |, "uniqueAnchor": f "contextRef": "c-845", "name": "us-gaap:StockholdersEquityIncludingPortionAttributableToNoncontrollingInterest", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "6", "ancestors": f "span": "td", "tr": "table", "div": "ix:continuation", "ix:continuation", "body", "html" |, "reportCount": 1, "baseRef": "hpe-20241031.htm", "unique": true |, "R134": f "role": "http://www.hpe.com/role/StockholdersEquityNarrativeDetails", "longName": "9955612 - Disclosure - Stockholders' Equity - Narrative (Details)", "shortName": "Stockholders' Equity - Narrative (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "134", "firstAnchor": f "contextRef": "c-15", "name": "us-gaap:CommonStockDividendsPerShareDeclared", "unitRef": "usdPerShare", "xsiNil": "false", "lang": "en-US", "decimals": "INF", "ancestors": f "span": "td", "tr": "table", "div": "body", "html" |, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true |, "uniqueAnchor": f "contextRef": "c-863", "name": "srt:StockRepurchaseProgramAuthorizedAmount1", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "INF", "ancestors": f "span": "div", "ix:continuation", "body", "html" |, "reportCount": 1, "baseRef": "hpe-20241031.htm", "unique": true |, "R135": f "role": "http://www.hpe.com/role/NetEarningsPerShareDetails", "longName": "9955613 - Disclosure - Net Earnings Per Share (Details)", "shortName": "Net Earnings Per Share (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "135", "firstAnchor": f "contextRef": "c-15", "name": "us-gaap:NetIncomeLossAvailableToCommonStockholdersBasic", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "6", "ancestors": f "span": "td", "tr": "table", "div": "us-gaap:ScheduleOfEarningsPerShareBasicAndDilutedTableTextBlock", "ix:continuation", "body", "html" |, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true |, "uniqueAnchor": f "contextRef": "c-1", "name": "us-gaap:IncrementalCommonSharesAttributableToShareBasedPaymentArrangements", "unitRef": "shares", "xsiNil": "false", "lang": "en-US", "decimals": "6", "ancestors": f "span": "td", "tr": "table", "div": "us-gaap:ScheduleOfEarningsPerShareBasicAndDilutedTableTextBlock", "ix:continuation", "body", "html" |, "reportCount": 1, "baseRef": "hpe-20241031.htm", "unique": true |, "R136": f "role": "http://www.hpe.com/role/LitigationContingenciesandCommitmentsDetails", "longName": "9955614 - Disclosure - Litigation, Contingencies, and Commitments (Details)", "shortName": "Litigation, Contingencies, and Commitments (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "136", "firstAnchor": f "contextRef": "c-873", "name": "us-gaap:LossContingencyDamagesSoughtValue", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "6", "ancestors": f "span": "td", "tr": "table", "div": "ix:continuation", "body", "html" |, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true |, "uniqueAnchor": f "contextRef": "c-873", "name": "us-gaap:LossContingencyDamagesSoughtValue", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "6", "ancestors": f "span": "div", "ix:continuation", "body", "html" |, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true, "unique": true |, "R137": f "role": "http://www.hpe.com/role/GuaranteesandIndemnificationsIndemnifiedLitigationmattersandOtherContingenciesDetails", "longName": "9955615 - Disclosure - Guarantees and Indemnifications - Indemnified Litigation matters and Other Contingencies (Details)", "shortName": "Guarantees and Indemnifications - Indemnified Litigation matters and Other Contingencies (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "137", "firstAnchor": f "contextRef": "c-14", "name": "us-gaap:OtherAssetsNoncurrent", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "6", "ancestors": f "span": "td", "tr": "table", "div": "ix:continuation", "body", "html" |, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true |, "uniqueAnchor": f "contextRef": "c-14", "name": "us-gaap:GuaranteeObligationsMaximumExposure", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "6", "ancestors": f "span": "div", "ix:continuation", "body", "html" |, "reportCount": 1, "baseRef": "hpe-20241031.htm", "unique": true |, "R138": f "role": "http://www.hpe.com/role/GuaranteesandIndemnificationsChangesinAggregateProductWarrantyLiabilitiesandChangesDetails", "longName": "9955616 - Disclosure - Guarantees and Indemnifications - Changes in Aggregate Product Warranty Liabilities and Changes (Details)", "shortName": "Guarantees and Indemnifications - Changes in Aggregate Product Warranty Liabilities and Changes (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "138", "firstAnchor": f "contextRef": "c-15", "name": "us-gaap:ProductWarrantyAccrual", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "6", "ancestors": f "span": "td", "tr": "table", "div": "ix:continuation", "body", "html" |, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true |, "uniqueAnchor": null |, "R139": f "role": "http://www.hpe.com/role/EquityInterestsNarrativeDetails", "longName": "9955617 - Disclosure - Equity Interests - Narrative (Details)", "shortName": "Equity Interests - Narrative (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "139", "firstAnchor": f "contextRef": "c-14", "name": "us-gaap:EquityMethodInvestments", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "6", "ancestors": f "span": "td", "tr": "table", "div": "body", "html" |, "reportCount": 1, "baseRef": "hpe-20241031.htm", "first": true |, "uniqueAnchor": f "contextRef": "c-889", "name": "hpe:EquityMethodInvestmentPutSharePurchaseAgreementTotalConsideration", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "6", "ancestors": f "span": "div": "ix:continuation", "body", "html" |, "reportCount": 1, "baseRef": "hpe-20241031.htm", "unique": true |, "R140": f "role": "http://www.hpe.com/role/EquityInterestsEarningsfromEquityInterestDetails", "longName": "9955618 - Disclosure - Equity Interests - Earnings from Equity Interest (Details)", "shortName": "Equity Interests - Earnings from Equity Interest (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "140", "firstAnchor


```

"Accounts Receivable, after Allowance for Credit Loss, Current", "documentation": "Amount, after allowance for credit loss, of right to consideration from customer for product sold and service rendered in normal course of business, classified as current." } } , "auth_ref": { "r1664" } } , "us-gaap_AccruedIncomeTaxesNoncurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AccruedIncomeTaxesNoncurrent", "crdr": "credit", "calculation": { "http://www.hpe.com/role/BalanceSheetDetailsOtherNonCurrentLiabilitiesDetails": { "parentTag": "us-gaap_OtherLiabilitiesNoncurrent", "weight": 1.0, "order": 3.0 } } , "presentation": { "http://www.hpe.com/role/BalanceSheetDetailsOtherNonCurrentLiabilitiesDetails": { "lang": { "en-us": { "role": { "terseLabel": "Taxes on earnings", "label": "Accrued Income Taxes, Noncurrent", "documentation": "Carrying amount as of the balance sheet date of the unpaid sum of the known and estimated amounts payable to satisfy all domestic and foreign income tax obligations due beyond one year or the operating cycle, whichever is longer. Alternate captions include income taxes payable, noncurrent." } } } , "auth_ref": { "r154", "r239" } } } , "us-gaap_AccruedMarketingCostsCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AccruedMarketingCostsCurrent", "crdr": "credit", "calculation": { "http://www.hpe.com/role/BalanceSheetDetailsOtherAccruedLiabilitiesDetails": { "parentTag": "us-gaap_OtherLiabilitiesCurrent", "weight": 1.0, "order": 3.0 } } , "presentation": { "http://www.hpe.com/role/BalanceSheetDetailsOtherAccruedLiabilitiesDetails": { "lang": { "en-us": { "role": { "terseLabel": "Sales and marketing programs", "label": "Accrued Marketing Costs, Current", "documentation": "Carrying value as of the balance sheet date of obligations incurred through that date and payable for the marketing, trade and selling of the entity's goods and services. Marketing costs would include expenditures for planning and executing the conception, pricing, promotion, and distribution of ideas, goods, and services; costs of public relations and corporate promotions; and obligations incurred and payable for sales discounts, rebates, price protection programs, etc. offered to customers and under government programs. Used to reflect the current portion of the liabilities (due within one year or within the normal operating cycle if longer)." } } } , "auth_ref": { } } } , "us-gaap_AccumulatedDefinedBenefitPlansAdjustmentMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AccumulatedDefinedBenefitPlansAdjustmentMember", "presentation": { "http://www.hpe.com/role/StockholdersEquityComponentsofAOCIDetails": { "lang": { "en-us": { "role": { "verboseLabel": "Unrealized components of defined benefit plans", "label": "Accumulated Defined Benefit Plans Adjustment Attributable to Parent [Member]", "documentation": "Accumulated other comprehensive (income) loss related to defined benefit plans attributable to the parent." } } } } } , "auth_ref": { "r7", "r8", "r29", "r45", "r174", "r1628", "r1629", "r1630" } } } , "us-gaap_AccumulatedDepreciationDepletionAndAmortizationPropertyPlantAndEquipment": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AccumulatedDepreciationDepletionAndAmortizationPropertyPlantAndEquipment", "crdr": "credit", "presentation": { "http://www.hpe.com/role/BalanceSheetDetailsPropertyPlantAndEquipmentDetails": { "lang": { "en-us": { "role": { "negatedLabel": "Accumulated depreciation", "label": "Accumulated Depreciation, Depletion and Amortization, Property, Plant, and Equipment", "documentation": "Amount of accumulated depreciation, depletion and amortization for physical assets used in the normal conduct of business to produce goods and services." } } } } } , "auth_ref": { "r75", "r352", "r1339" } } } , "us-gaap_AccumulatedGainLossNetCashFlowHedgeParentMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AccumulatedGainLossNetCashFlowHedgeParentMember", "presentation": { "http://www.hpe.com/role/StockholdersEquityComponentsofAOCIDetails": { "lang": { "en-us": { "role": { "terseLabel": "Net unrealized gains (losses) on cash flow hedges", "label": "Accumulated Gain (Loss), Net Cash Flow Hedge, Parent [Member]", "documentation": "Accumulated other comprehensive income (loss) from gain (loss) of derivative instrument designated and qualifying as cash flow hedge included in assessment of hedge effectiveness, attributable to parent." } } } } } , "auth_ref": { "r380", "r390", "r391", "r946", "r1396", "r1628" } } } , "us-gaap_AccumulatedNetUnrealizedInvestmentGainLossMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AccumulatedNetUnrealizedInvestmentGainLossMember", "presentation": { "http://www.hpe.com/role/StockholdersEquityComponentsofAOCIDetails": { "lang": { "en-us": { "role": { "verboseLabel": "Net unrealized gains on available-for-sale securities", "label": "AOCI, Accumulated Gain (Loss), Debt Securities, Available for Sale, Parent [Member]", "documentation": "Accumulated unrealized gain (loss) on investment in debt security measured at fair value with change in fair value recognized in other comprehensive income (available-for-sale), attributable to parent." } } } } } , "auth_ref": { "r376", "r377", "r378", "r380", "r390", "r391", "r1628" } } } , "us-gaap_AccumulatedOtherComprehensiveIncomeLossLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AccumulatedOtherComprehensiveIncomeLossLineItems", "presentation": { "http://www.hpe.com/role/StockholdersEquityComponentsofAOCIDetails": { "lang": { "en-us": { "role": { "terseLabel": "Components of accumulated other comprehensive income, net of taxes", "label": "Accumulated Other Comprehensive Income (Loss) [Line Items]", "documentation": "Line items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table." } } } } } , "auth_ref": { "r389", "r390", "r999", "r1001", "r1002", "r1003", "r1004", "r1005" } } } , "us-gaap_AccumulatedOtherComprehensiveIncomeLossNetOfTax": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AccumulatedOtherComprehensiveIncomeLossNetOfTax", "crdr": "credit", "calculation": { "http://www.hpe.com/role/ConsolidatedBalanceSheets": { "parentTag": "us-gaap_StockholdersEquity", "weight": 1.0, "order": 4.0 } } , "presentation": { "http://www.hpe.com/role/ConsolidatedBalanceSheets": { "lang": { "en-us": { "role": { "terseLabel": "Accumulated other comprehensive loss", "label": "Accumulated Other Comprehensive Income (Loss), Net of Tax", "documentation": "Amount, after tax, of accumulated increase (decrease) in equity from transaction and other event and circumstance from nonowner source." } } } } } , "auth_ref": { "r44", "r45", "r175", "r364", "r1134", "r1179", "r1180" } } } , "us-gaap_AccumulatedOtherComprehensiveIncomeLossTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AccumulatedOtherComprehensiveIncomeLossTable", "presentation": { "http://www.hpe.com/role/StockholdersEquityComponentsofAOCIDetails": { "lang": { "en-us": { "role": { "terseLabel": "Accumulated Other Comprehensive Income (Loss) [Table]", "label": "Accumulated Other Comprehensive Income (Loss) [Table]", "documentation": "Disclosure of information about components of accumulated other comprehensive income (loss)." } } } } } , "auth_ref": { "r389", "r390", "r999", "r1001", "r1002", "r1003", "r1004", "r1005" } } } , "us-gaap_AccumulatedOtherComprehensiveIncomeMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AccumulatedOtherComprehensiveIncomeMember", "presentation": { "http://www.hpe.com/role/ConsolidatedStatementsOfStockholdersEquity": { "http://www.hpe.com/role/StockholdersEquityComponentsofAOCIDetails": { "lang": { "en-us": { "role": { "terseLabel": "Accumulated Other Comprehensive Loss", "label": "AOCI Attributable to Parent [Member]", "documentation": "Accumulated increase (decrease) in equity from transactions and other events and circumstances from non-owner sources, attributable to the parent. Excludes net income (loss), and accumulated changes in equity from transactions resulting from investments by owners and distributions to owners." } } } } } , "auth_ref": { "r5", "r29", "r45", "r960", "r963", "r1039", "r1175", "r1176", "r1628", "r1629", "r1630", "r1651", "r1652", "r1653", "r1654" } } } } , "us-gaap_AccumulatedTranslationAdjustmentMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AccumulatedTranslationAdjustmentMember", "presentation": { "http://www.hpe.com/role/StockholdersEquityComponentsofAOCIDetails": { "lang": { "en-us": { "role": { "terseLabel": "Cumulative translation adjustment", "label": "Accumulated Foreign Currency Adjustment Attributable to Parent [Member]", "documentation": "Accumulated other comprehensive income (loss) resulting from foreign currency translation adjustments, foreign currency transactions designated and effective as economic hedges of a net investment in a foreign entity and intra-entity foreign currency transactions that are of a long-term investment nature, attributable to the parent." } } } } } , "auth_ref": { "r6", "r29", "r45", "r172", "r173", "r390", "r391", "r1001", "r1002", "r1003", "r1004", "r1005", "r1628" } } } , "us-gaap_AcquiredFiniteLivedIntangibleAssetsWeightedAverageUsefulLife": { "xbrltype": "durationItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AcquiredFiniteLivedIntangibleAssetsWeightedAverageUsefulLife", "presentation": { "http://www.hpe.com/role/AcquisitionsandDispositionsNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Weighted-average useful life", "label": "Acquired Finite-Lived Intangible Assets, Weighted Average Useful Life", "documentation": "Weighted average amortization period of finite-lived intangible assets acquired either individually or as part of a group of assets, in 'PnYnMnDnHnMnS' format, for example, 'P1Y5M13D' represents the reported fact of one year, five months, and thirteen days." } } } } } , "auth_ref": { "r612", "r1382" } } } , "hpe_AcquiredIntangibleAssetsLineItems": { "xbrltype": "stringItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "AcquiredIntangibleAssetsLineItems", "presentation": { "http://www.hpe.com/role/GoodwillandIntangibleAssetsIntangibleAssetsDetails": { "lang": { "en-us": { "role": { "terseLabel": "Intangible assets", "label": "Acquired Intangible Assets [Line Items]", "auth_ref": { } } } } , "hpe_AcquisitionsIn2023Member": { "xbrltype": "domainItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "AcquisitionsIn2023Member", "presentation": { "http://www.hpe.com/role/AcquisitionsandDispositionsAggregatePurchasePriceAllocationDetails": { "http://www.hpe.com/role/GoodwillandIntangibleAssetsNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Acquisitions in 2023", "label": "Acquisitions in 2023 [Member]", "documentation": "Acquisitions in 2023" } } } } } , "auth_ref": { } } } , "ecd_Additional402vDisclosureTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "Additional402vDisclosureTextBlock", "presentation": { "http://xbrl.sec.gov/ecd/role/PvpDisclosure": { "lang": { "en-us": { "role": { "terseLabel": "Additional 402(v) Disclosure", "label": "Additional 402(v) Disclosure [Text Block]", "auth_ref": { "r1536" } } } } } , "us-gaap_AdditionalPaidInCapitalCommonStock": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AdditionalPaidInCapitalCommonStock", "crdr": "credit", "calculation": { "http://www.hpe.com/role/ConsolidatedBalanceSheets": { "parentTag": "us-gaap_StockholdersEquity", "weight": 1.0, "order": 2.0 } } , "presentation": { "http://www.hpe.com/role/ConsolidatedBalanceSheets": { "lang": { "en-us": { "role": { "terseLabel": "Additional paid-in capital", "label": "Additional Paid-in Capital, Common Stock", "documentation": "Value received from shareholders in common stock-related transactions that are in excess of par value or stated value and amounts received from other stock-related transactions. Includes only common stock transactions (excludes preferred stock transactions). May be called contributed capital, capital in excess of par, capital surplus, or paid-in capital." } } } } } , "auth_ref": { "r161" } } } , "us-gaap_AdditionalPaidInCapitalMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AdditionalPaidInCapitalMember", "presentation": { "http://www.hpe.com/role/ConsolidatedStatementsOfStockholdersEquity": { "lang": { "en-us": { "role": { "terseLabel": "Additional Paid-in Capital", "label": "Additional Paid-in Capital [Member]", "documentation": "Excess of issue price over par or stated value of the entity's capital stock and amounts received from other transactions involving the entity's stock or stockholders." } } } } } , "auth_ref": { "r1197", "r1651", "r1652", "r1653", "r1654", "r1868", "r1952" } } } , "ecd_AdjToCompAmt": { "xbrltype": "monetaryItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "AdjToCompAmt", "presentation": { "http://xbrl.sec.gov/ecd/role/PvpDisclosure": { "lang": { "en-us": { "role": { "terseLabel": "Adjustment to Compensation, Amount", "label": "Adjustment to Compensation Amount", "auth_ref": { "r1549" } } } } , "ecd_AdjToCompAxis": { "xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "AdjToCompAxis", "presentation": { "http://xbrl.sec.gov/ecd/role/PvpDisclosure": { "lang": { "en-us": { "role": { "terseLabel": "Adjustment to Compensation", "label": "Adjustment to Compensation [Axis]", "auth_ref": { "r1549" } } } } , "ecd_AdjToNonPeoNeoCompFnTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "AdjToNonPeoNeoCompFnTextBlock", "presentation": { "http://xbrl.sec.gov/ecd/role/PvpDisclosure": { "lang": { "en-us": { "role": { "terseLabel": "Adjustment to Non-PEO NEO Compensation Footnote", "label": "Adjustment to Non-PEO NEO Compensation Footnote [Text Block]", "auth_ref": { "r1549" } } } } } , "ecd_AdjToPeoCompFnTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "AdjToPeoCompFnTextBlock", "presentation": { "http://xbrl.sec.gov/ecd/role/PvpDisclosure": { "lang": { "en-us": { "role": { "terseLabel": "Adjustment to PEO Compensation, Footnote", "label": "Adjustment to PEO Compensation, Footnote [Text Block]", "auth_ref": { "r1549" } } } } } , "us-gaap_AdjustmentsRelatedToTaxWithholdingForShareBasedCompensation": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AdjustmentsRelatedToTaxWithholdingForShareBasedCompensation", "crdr": "debit", "presentation": { "http://www.hpe.com/role/ConsolidatedStatementsOfStockholdersEquity": { "lang": { "en-us": { "role": { "negatedTerseLabel": "Tax withholding related to vesting of employee stock plans", "label": "Share-Based Payment Arrangement, Decrease for Tax Withholding Obligation", "documentation": "Amount of decrease to equity for grantee's tax withholding obligation for award under share-based payment arrangement." } } } } } , "auth_ref": { } } } , "us-gaap_AdjustmentsToReconcileNetIncomeLossToCashProvidedByUsedInOperatingActivitiesAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AdjustmentsToReconcileNetIncomeLossToCashProvidedByUsedInOperatingActivitiesAbstract", "presentation": { "http://www.hpe.com/role/ConsolidatedStatementsOfCashFlows": { "lang": { "en-us": { "role": { "verboseLabel": "Adjustments to Reconcile Net Earnings Attributable to HPE to Net Cash Provided by Operating Activities", "label": "Adjustments to Reconcile Net Income (Loss) to Cash Provided by (Used in) Operating Activities [Abstract]", "auth_ref": { } } } } } , "us-gaap_AdvertisingCostsPolicyTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AdvertisingCostsPolicyTextBlock", "presentation": { "http://www.hpe.com/role/OverviewandSummaryofSignificantAccountingPoliciesPolicies": { "lang": { "en-us": { "role": { "terseLabel": "Advertising", "label": "Advertising Cost [Policy Text Block]", "documentation": "Disclosure of accounting policy for advertising cost." } } } } , "auth_ref": { "r279" } } } , "us-gaap_AdvertisingExpense": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AdvertisingExpense", "crdr": "debit", "presentation": { "http://www.hpe.com/role/OverviewandSummaryofSignificantAccountingPoliciesNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Advertising expense", "label": "Advertising Expense", "documentation": "Amount charged to advertising expense for the period, which are expenses incurred with the objective of increasing revenue for a specified brand, product or product line." } } } } , "auth_ref": { "r876", "r1443" } } } , "ecd_AggtChngPnsnValInSummaryCompstnTblForApblBtYrMember": { "xbrltype": "domainItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "AggtChngPnsnValInSummaryCompstnTblForApblBtYrMember", "presentation": { "http://xbrl.sec.gov/ecd/role/PvpDisclosure": { "lang": { "en-us": { "role": { "terseLabel": "Aggregate Change in Present Value of Accumulated Benefit for All Pension Plans

Reported in Summary Compensation Table", "label": "Aggregate Change in Present Value of Accumulated Benefit for All Pension Plans Reported in Summary Compensation Table [Member]" } } }, "auth_ref": { "r1583" } }, "ecd_AggtErrCompAmt": { "xbrltype": "monetaryItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "AggtErrCompAmt", "presentation": { "http://xbrl.sec.gov/ecd/role/ErrCompDisclosure" } }, "lang": { "en-us" }, "role": { "terseLabel": "Aggregate Erroneous Compensation Amount" }, "label": "Aggregate Erroneous Compensation Amount" } } }, "auth_ref": { "r1507", "r1518", "r1528", "r1561" } }, "ecd_AggtErrCompNotYetDeterminedTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "AggtErrCompNotYetDeterminedTextBlock", "presentation": { "http://xbrl.sec.gov/ecd/role/ErrCompDisclosure" } }, "lang": { "en-us" }, "role": { "terseLabel": "Aggregate Erroneous Compensation Not Yet Determined" }, "label": "Aggregate Erroneous Compensation Not Yet Determined [Text Block]" } } }, "auth_ref": { "r1510", "r1521", "r1531", "r1564" } }, "ecd_AggtPnsnAdjSvcCstMember": { "xbrltype": "domainItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "AggtPnsnAdjSvcCstMember", "presentation": { "http://xbrl.sec.gov/ecd/role/PvpDisclosure" } }, "lang": { "en-us" }, "role": { "terseLabel": "Aggregate Pension Adjustments Service Cost" }, "label": "Aggregate Pension Adjustments Service Cost [Member]" } } }, "auth_ref": { "r1584" } }, "ecd_AllAdjToCompMember": { "xbrltype": "domainItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "AllAdjToCompMember", "presentation": { "http://xbrl.sec.gov/ecd/role/PvpDisclosure" } }, "lang": { "en-us" }, "role": { "terseLabel": "All Adjustments to Compensation" }, "label": "All Adjustments to Compensation [Member]" } } }, "auth_ref": { "r1549" } }, "ecd_AllExecutiveCategoriesMember": { "xbrltype": "domainItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "AllExecutiveCategoriesMember", "presentation": { "http://xbrl.sec.gov/ecd/role/PvpDisclosure" } }, "lang": { "en-us" }, "role": { "terseLabel": "All Executive Categories" }, "label": "All Executive Categories [Member]" } } }, "auth_ref": { "r1556" } }, "ecd_AllIndividualsMember": { "xbrltype": "domainItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "AllIndividualsMember", "presentation": { "http://xbrl.sec.gov/ecd/role/AwardTimingDisclosure", "http://xbrl.sec.gov/ecd/role/ErrCompDisclosure", "http://xbrl.sec.gov/ecd/role/InsiderTradingArrangements", "http://xbrl.sec.gov/ecd/role/PvpDisclosure" } }, "lang": { "en-us" }, "role": { "terseLabel": "All Individuals" }, "label": "All Individuals [Member]" } } }, "auth_ref": { "r1511", "r1522", "r1532", "r1556", "r1565", "r1569", "r1577" } }, "ecd_AllTradingArrangementsMember": { "xbrltype": "domainItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "AllTradingArrangementsMember", "presentation": { "http://xbrl.sec.gov/ecd/role/InsiderTradingArrangements" } }, "lang": { "en-us" }, "role": { "terseLabel": "All Trading Arrangements" }, "label": "All Trading Arrangements [Member]" } } }, "auth_ref": { "r1575" } }, "us-gaap-AllocatedShareBasedCompensationExpense": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AllocatedShareBasedCompensationExpense", "crdr": "debit", "calculation": { "http://www.hpe.com/role/StockBasedCompensationScheduleOfStockBasedCompensationExpenseandResultingTaxBenefitsDetails" }, "parentTag": "us-gaap-AllocatedShareBasedCompensationExpenseNetOfTax", "weight": 1.0, "order": 1.0 }, "http://www.hpe.com/role/SegmentInformationReconciliationOfSegmentOperatingResultsDetails": { "parentTag": "us-gaap-IncomeLossFromContinuingOperationsBeforeIncomeTaxesExtraordinaryItemsNoncontrollingInterest", "weight": -1.0, "order": 3.0 } }, "presentation": { "http://www.hpe.com/role/SegmentInformationReconciliationOfSegmentOperatingResultsDetails", "http://www.hpe.com/role/StockBasedCompensationConsolidatedStatementOfEarningsLocationOfStockBasedCompensationExpenseDetails", "http://www.hpe.com/role/StockBasedCompensationScheduleOfStockBasedCompensationExpenseandResultingTaxBenefitsDetails" } }, "lang": { "en-us" }, "role": { "totalLabel": "negatedLabel", "label": "Stock-based compensation expense", "terseLabel": "Stock-based compensation expense", "label": "Share-Based Payment Arrangement, Expense", "documentation": "Amount of expense for award under share-based payment arrangement. Excludes amount capitalized." } } }, "auth_ref": { "r865", "r874" } }, "us-gaap-AllocatedShareBasedCompensationExpenseNetOfTax": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AllocatedShareBasedCompensationExpenseNetOfTax", "crdr": "debit", "calculation": { "http://www.hpe.com/role/StockBasedCompensationScheduleOfStockBasedCompensationExpenseandResultingTaxBenefitsDetails" }, "parentTag": null, "weight": null, "order": null, "root": true }, "presentation": { "http://www.hpe.com/role/StockBasedCompensationEmployeeStockPurchasePlanDetails", "http://www.hpe.com/role/StockBasedCompensationScheduleOfStockBasedCompensationExpenseandResultingTaxBenefitsDetails" } }, "lang": { "en-us" }, "role": { "totalLabel": "Stock-based compensation expense, net of tax", "terseLabel": "Share-Based Payment Arrangement, Expense, after Tax", "label": "Share-Based Payment Arrangement, Expense, after Tax", "documentation": "Amount, after tax, of expense for award under share-based payment arrangement." } } }, "auth_ref": { "r865", "r874" } }, "hpe-AllowanceForDoubtfulAccountsReceivableAdditionOfBadDebtProvision": { "xbrltype": "monetaryItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "AllowanceForDoubtfulAccountsReceivableAdditionOfBadDebtProvision", "crdr": "debit", "presentation": { "http://www.hpe.com/role/BalanceSheetDetailsAllowanceforDoubtfulAccountsDetails" } }, "lang": { "en-us" }, "role": { "terseLabel": "Provision for credit losses", "label": "Allowance For Doubtful Accounts Receivable, Addition Of Bad Debt Provision" } } }, "auth_ref": { "r1549" } }, "us-gaap-AllowanceForDoubtfulAccountsReceivableCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AllowanceForDoubtfulAccountsReceivableCurrent", "crdr": "credit", "calculation": { "http://www.hpe.com/role/BalanceSheetDetailsAccountsReceivableNetDetails" }, "parentTag": "us-gaap_AccountsReceivableNetCurrent", "weight": -1.0, "order": 3.0 } }, "presentation": { "http://www.hpe.com/role/BalanceSheetDetailsAccountsReceivableNetDetails", "http://www.hpe.com/role/BalanceSheetDetailsAllowanceforDoubtfulAccountsDetails" } }, "lang": { "en-us" }, "role": { "negatedTerseLabel": "Allowances", "periodStartLabel": "Balance at beginning of year", "periodEndLabel": "Balance at end of year", "label": "Accounts Receivable, Allowance for Credit Loss, Current", "documentation": "Amount of allowance for credit loss on accounts receivable, classified as current." } } }, "auth_ref": { "r365", "r506", "r555" } }, "hpe-AllowanceForDoubtfulAccountsReceivableDeductionsNetOfRecoveries": { "xbrltype": "monetaryItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "AllowanceForDoubtfulAccountsReceivableDeductionsNetOfRecoveries", "crdr": "debit", "presentation": { "http://www.hpe.com/role/BalanceSheetDetailsAllowanceforDoubtfulAccountsDetails" } }, "lang": { "en-us" }, "role": { "negatedLabel": "Adjustments to existing allowances, including write offs", "label": "Allowance for Doubtful Accounts Receivable Deductions Net of Recoveries", "documentation": "Amount of deductions of receivables doubtful of collection, net of recoveries that were previously charged off." } } }, "auth_ref": { "r1549" } }, "us-gaap-AllowanceForDoubtfulAccountsReceivableRollforward": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AllowanceForDoubtfulAccountsReceivableRollforward", "presentation": { "http://www.hpe.com/role/BalanceSheetDetailsAllowanceforDoubtfulAccountsDetails" } }, "lang": { "en-us" }, "role": { "terseLabel": "Accounts Receivable, Allowance for Credit Loss", "label": "Accounts Receivable, Allowance for Credit Loss [Roll Forward]", "documentation": "A roll forward is a reconciliation of a concept from the beginning of a period to the end of a period." } } }, "auth_ref": { "r1549" } }, "hpe-AllowanceForDoubtfulAccountsTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "AllowanceForDoubtfulAccountsTableTextBlock", "presentation": { "http://www.hpe.com/role/AccountingforLeasesasLessorTables" } }, "lang": { "en-us" }, "role": { "verboseLabel": "Schedule of Allowance for Doubtful Accounts for Financing Receivables", "label": "Allowance for Doubtful Accounts [Table Text Block]", "documentation": "Tabular disclosure of the changes in the balance of the allowance for doubtful accounts." } } }, "auth_ref": { "r1549" } }, "hpe-AlternativeInvestmentFairValueMeasurementMember": { "xbrltype": "domainItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "AlternativeInvestmentFairValueMeasurementMember", "presentation": { "http://www.hpe.com/role/FinancialInstrumentsNarrativeDetails" } }, "lang": { "en-us" }, "role": { "terseLabel": "Alternative Investment, Fair Value Measurement", "label": "Alternative Investment, Fair Value Measurement [Member]", "documentation": "Alternative Investment, Fair Value Measurement" } } }, "auth_ref": { "r1549" } }, "hpe-AlternativeInvestmentMeasurementAlternativeMember": { "xbrltype": "domainItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "AlternativeInvestmentMeasurementAlternativeMember", "presentation": { "http://www.hpe.com/role/FairValueNarrativeDetails", "http://www.hpe.com/role/FinancialInstrumentsNarrativeDetails" } }, "lang": { "en-us" }, "role": { "terseLabel": "Alternative Investment, Measurement Alternative", "label": "Alternative Investment, Measurement Alternative [Member]", "documentation": "Alternative Investment, Measurement Alternative" } } }, "auth_ref": { "r1549" } }, "hpe-AlternativesAtNAVMember": { "xbrltype": "domainItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "AlternativesAtNAVMember", "presentation": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansFairValueofNonUSDefinedBenefitPlanAssetsbyAssetCategoryWithintheFairValueHierarchyDetails" } }, "lang": { "en-us" }, "role": { "terseLabel": "Alternative investments at NAV", "label": "Alternatives At NAV [Member]", "documentation": "Alternatives At NAV [Member]" } } }, "auth_ref": { "r1549" } }, "hpe-AmendedAndRestatedPutSharePurchaseAgreementMember": { "xbrltype": "domainItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "AmendedAndRestatedPutSharePurchaseAgreementMember", "presentation": { "http://www.hpe.com/role/AcquisitionsandDispositionsNarrativeDetails" } }, "lang": { "en-us" }, "role": { "terseLabel": "Amended And Restated Put Share Purchase Agreement", "label": "Amended And Restated Put Share Purchase Agreement [Member]", "documentation": "Amended And Restated Put Share Purchase Agreement" } } }, "auth_ref": { "r1549" } }, "del-AmendmentFlag": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "AmendmentFlag", "presentation": { "http://www.hpe.com/role/CoverPage" } }, "lang": { "en-us" }, "role": { "terseLabel": "Amendment Flag", "label": "Amendment Flag", "documentation": "Boolean flag that is true when the XBRL content amends previously filed or accepted submission." } } }, "auth_ref": { "r1549" } }, "hpe-AmericasExcludingUnitedStatesMember": { "xbrltype": "domainItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "AmericasExcludingUnitedStatesMember", "presentation": { "http://www.hpe.com/role/SegmentInformationRevenuebyGeographicRegionDetails" } }, "lang": { "en-us" }, "role": { "terseLabel": "Americas excluding U.S.", "label": "Americas Excluding United States [Member]", "documentation": "Americas Excluding United States" } } }, "auth_ref": { "r1549" } }, "srt-AmericasMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/srt/2024", "localname": "AmericasMember", "presentation": { "http://www.hpe.com/role/SegmentInformationRevenuebyGeographicRegionDetails" } }, "lang": { "en-us" }, "role": { "terseLabel": "Total Americas", "label": "Americas [Member]", "documentation": "Continents of North and South America." } } }, "auth_ref": { "r1611", "r1612", "r1613", "r1614", "r1954", "r1956", "r1957", "r1958" } }, "us-gaap-AmortizationOffinancingCosts": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AmortizationOffinancingCosts", "crdr": "debit", "calculation": { "http://www.hpe.com/role/SegmentInformationReconciliationOfSegmentOperatingResultsDetails" }, "parentTag": "us-gaap-IncomeLossFromContinuingOperationsBeforeIncomeTaxesExtraordinaryItemsNoncontrollingInterest", "weight": -1.0, "order": 4.0 } }, "presentation": { "http://www.hpe.com/role/SegmentInformationReconciliationOfSegmentOperatingResultsDetails" } }, "lang": { "en-us" }, "role": { "negatedTerseLabel": "Amortization of initial direct costs", "label": "Amortization of Debt Issuance Costs", "documentation": "Amount of amortization expense attributable to debt issuance costs." } } }, "auth_ref": { "r184", "r708", "r1639", "r1890" } }, "us-gaap-AmortizationOffintangibleAssets": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AmortizationOffintangibleAssets", "crdr": "debit", "calculation": { "http://www.hpe.com/role/ConsolidatedStatementsofEarnings" }, "parentTag": "us-gaap_CostsAndExpenses", "weight": 1.0, "order": 4.0 }, "http://www.hpe.com/role/SegmentInformationReconciliationOfSegmentOperatingResultsDetails": { "parentTag": "us-gaap-IncomeLossFromContinuingOperationsBeforeIncomeTaxesExtraordinaryItemsNoncontrollingInterest", "weight": -1.0, "order": 5.0 } }, "presentation": { "http://www.hpe.com/role/ConsolidatedStatementsofEarnings", "http://www.hpe.com/role/SegmentInformationReconciliationOfSegmentOperatingResultsDetails" } }, "lang": { "en-us" }, "role": { "terseLabel": "Amortization of intangible assets", "negatedLabel": "Amortization of intangible assets", "label": "Amortization of Intangible Assets", "documentation": "The aggregate expense charged against earnings to allocate the cost of intangible assets (nonphysical assets not used in production) in a systematic and rational manner to the periods expected to benefit from such assets. As a noncash expense, this element is added back to net income when calculating cash provided by or used in operations using the indirect method." } } }, "auth_ref": { "r17", "r609", "r616", "r1418" } }, "us-gaap-AntidilutiveSecuritiesExcludedFromComputationOfEarningsPerShareAmount": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AntidilutiveSecuritiesExcludedFromComputationOfEarningsPerShareAmount", "presentation": { "http://www.hpe.com/role/NetEarningsPerShareDetails" } }, "lang": { "en-us" }, "role": { "verboseLabel": "Anti-dilutive weighted average stock awards (in shares)", "label": "Antidilutive Securities Excluded from Computation of Earnings Per Share, Amount", "documentation": "Securities (including those issuable pursuant to contingent stock agreements) that could potentially dilute basic earnings per share (EPS) or earnings per unit (EPU) in the future that were not included in the computation of diluted EPS or EPU because to do so would increase EPS or EPU amounts or decrease loss per share or unit amounts for the period presented." } } }, "auth_ref": { "r451" } }, "hpe-AsiaPacificandJapanMember": { "xbrltype": "domainItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "AsiaPacificandJapanMember", "presentation": { "http://www.hpe.com/role/SegmentInformationRevenuebyGeographicRegionDetails" } }, "lang": { "en-us" }, "role": { "terseLabel": "Asia Pacific and Japan", "label": "Asia Pacific and Japan [Member]", "documentation": "Asia Pacific and Japan [Member]" } } }, "auth_ref": { "r1549" } }, "hpe-AssetBackedSecuritiesIssuedInJanuary2022Member": { "xbrltype": "domainItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "AssetBackedSecuritiesIssuedInJanuary2022Member", "presentation": { "http://www.hpe.com/role/BorrowingsLongTermDebtDetails" } }, "lang": { "en-us" }, "role": { "terseLabel": "\$1,000 issued in January 2022, in six tranches at a weighted average price of 99.99% and a weighted average interest rate of 1.51%, payable monthly from March 2022 with a stated final maturity date of November 2029", "label": "Asset-Backed Securities Issued In January 2022 [Member]", "documentation": "Asset-Backed Securities Issued In January 2022" } } }, "auth_ref": { "r1549" } }, "hpe-AssetBackedSecuritiesIssuedInMarch2021Member": { "xbrltype": "domainItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "AssetBackedSecuritiesIssuedInMarch2021Member", "presentation": { "http://www.hpe.com/role/BorrowingsLongTermDebtDetails" } }, "lang": { "en-us" }, "role": { "terseLabel": "\$1,000 issued in March 2021, in six tranches at a weighted average price of 99.99% and a weighted average interest rate of 0.49%, payable monthly from April


```
<pre><pre>2021 with a stated final maturity date of March 2031", "label": "Asset-Backed Securities Issued In March And April 2023 [Member]", "documentation": "Asset-Backed Securities Issued  
in March 2021"} } }, {"auth_ref": "HPE Asset Backed Securities Issued In March And April 2023 Member", "xbrl_type": "domainItemType", "nsuri":  
http://www.hpe.com/20241031", "localname": "AssetBackedSecuritiesIssuedInMarchAndApril2023Member", "presentation": {  
http://www.hpe.com/role/BorrowingsLongTermDebtDetails"}, {"lang": "en-us", "role": "terseLabel", "$643 issued in March 2023 and April 2023, in five tranches at a  
weighted average price of 99.99% and a weighted average interest rate of 5.59%, payable monthly from April 2023 with a stated final maturity of April 2028", "label": "Asset-  
Backed Securities Issued in March and April 2023 [Member]", "documentation": "Asset-Backed Securities Issued in March and April 2023"} } }, {"auth_ref": "HPE  
Asset Backed Securities Issued In May 2022 Member", "xbrl_type": "domainItemType", "nsuri": http://www.hpe.com/20241031", "localname":  
"AssetBackedSecuritiesIssuedInMay2022Member", "presentation": { "http://www.hpe.com/role/BorrowingsLongTermDebtDetails"}, {"lang": "en-us", "role": "terseLabel",  
"$747 issued in May 2022, in six tranches at a weighted average price of 99.99% and a weighted average interest rate of 3.68%, payable monthly from July 2022 with a stated  
final maturity date of March 2030", "label": "Asset-Backed Securities Issued In May 2022 [Member]", "documentation": "Asset-Backed Securities Issued In May 2022"} } },  
{"auth_ref": "HPE Asset Backed Securities Issued In October 2022 Member", "xbrl_type": "domainItemType", "nsuri": "http://www.hpe.com/20241031", "localname":  
"AssetBackedSecuritiesIssuedInOctober2022Member", "presentation": { "http://www.hpe.com/role/BorrowingsLongTermDebtDetails"}, {"lang": "en-us", "role": "terseLabel",  
"$651 issued in October 2022, in five tranches at a weighted average price of 99.99% and a weighted average interest rate of 5.55%, payable monthly from  
November 2022 with a stated final maturity date of August 2029", "label": "Asset-Backed Securities Issued In October 2022 [Member]", "documentation": "Asset-Backed  
Securities Issued In October 2022"} } }, {"auth_ref": "HPE Asset Backed Securities Issued January 2024 Member", "xbrl_type": "domainItemType", "nsuri":  
http://www.hpe.com/20241031", "localname": "AssetBackedSecuritiesIssuedJanuary2024Member", "presentation": {  
http://www.hpe.com/role/BorrowingsLongTermDebtDetails"}, {"lang": "en-us", "role": "terseLabel", "$796 issued in January 2024, in six tranches at a weighted  
average price of 99.99% and a weighted average interest rate of 5.48%, payable monthly from February 2024", "label": "Asset-Backed Securities Issued January 2024  
[Member]", "documentation": "Asset-Backed Securities Issued January 2024"} } }, {"auth_ref": "HPE Asset Backed Securities Issued June 2021 Member", "xbrl_type":  
domainItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "AssetBackedSecuritiesIssuedJune2021Member", "presentation": {  
http://www.hpe.com/role/BorrowingsLongTermDebtDetails"}, {"lang": "en-us", "role": "terseLabel", "$753 issued in June 2021, in six tranches at a weighted average price  
of 99.99% and a weighted average interest rate of 0.58%, payable monthly from August 2021 with a stated final maturity date of March 2029", "label": "Asset-Backed  
Securities Issued June 2021 [Member]", "documentation": "Asset-Backed Securities Issued June 2021"} } }, {"auth_ref": "HPE  
Asset Backed Securities Issued June 2024 Member", "xbrl_type": "domainItemType", "nsuri": "http://www.hpe.com/20241031", "localname":  
"AssetBackedSecuritiesIssuedJune2024Member", "presentation": { "http://www.hpe.com/role/BorrowingsLongTermDebtDetails"}, {"lang": "en-us", "role": "terseLabel",  
"$818 issued in June 2024, in six tranches at a weighted average price of 99.99% and a weighted average interest rate of 5.59%, payable monthly from July 2024", "label":  
"Asset-Backed Securities Issued June 2024 [Member]", "documentation": "Asset-Backed Securities Issued June 2024"} } }, {"auth_ref": "HPE  
Asset Backed Securities Issued September 2023 Member", "xbrl_type": "domainItemType", "nsuri": "http://www.hpe.com/20241031", "localname":  
"AssetBackedSecuritiesIssuedSeptember2023Member", "presentation": { "http://www.hpe.com/role/BorrowingsLongTermDebtDetails"}, {"lang": "en-us", "role": "terseLabel",  
"$612 issued in September 2023, in six tranches at a weighted average price of 99.99% and a weighted average interest rate of 6.40%, payable monthly from  
October 2023 with a stated final maturity of July 2031", "label": "Asset-Backed Securities Issued September 2023 [Member]", "documentation": "Asset-Backed Securities  
Issued September 2023"} } }, {"auth_ref": "US GAAP Asset Backed Securities Member", "xbrl_type": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname":  
"AssetBackedSecuritiesMember", "presentation": { "http://www.hpe.com/role/BorrowingsLongTermDebtDetails"}, {"http://www.hpe.com/role/BorrowingsNarrativeDetails"},  
http://www.hpe.com/role/BorrowingsNotesPayableandShortTermBorrowingDetails"}, {"lang": "en-us", "role": "terseLabel", "Assets-backed securities", "label": "Asset-  
Backed Securities [Member]", "documentation": "Securities that are primarily serviced by the cash flows of a discrete pool of receivables or other financial assets for example,  
but not limited to credit card receivables, car loans, recreational vehicle loans, and mobile home loans." } } }, {"auth_ref": "r1430", "r1463", "r1677", "r1679", "r1680"} } },  
{"us-gAAP Assets", "xbrl_type": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "Assets", "crdr": "debit", "calculation": {  
http://www.hpe.com/role/ConsolidatedBalanceSheets"}, {"parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": {  
http://www.hpe.com/role/ConsolidatedBalanceSheets"}, {"lang": "en-us", "role": "totalLabel", "Total assets", "label": "Assets", "documentation": "Amount of asset  
recognized for present right to economic benefit." } } }, {"auth_ref": "r236", "r255", "r356", "r410", "r456", "r465", "r491", "r495", "r548", "r675", "r676", "r679",  
r680", "r681", "r682", "r684", "r685", "r942", "r948", "r992", "r1129", "r1246", "r1406", "r1407", "r1462", "r1496", "r1742", "r1743", "r1899"} } }, {"us-gAAP AssetsAbstract", "  
xbrl_type": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "Assets Abstract", "presentation": { "http://www.hpe.com/role/ConsolidatedBalanceSheets"},  
lang": "en-us", "role": "ASSETS", "label": "Assets [Abstract]"} } }, {"auth_ref": "HPE Assets And Liabilities Lessee Table Text Block", "xbrl_type":  
textBlockItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "AssetsAndLiabilitiesLesseeTableTextBlock", "presentation": {  
http://www.hpe.com/role/AccountingForLeasesasLesseeTables"}, {"lang": "en-us", "role": "Supplemental Balance Sheet Information", "label": "Assets And  
Liabilities, Lessee [Table Text Block]", "documentation": "Assets And Liabilities, Lessee"} } }, {"auth_ref": "US GAAP Assets Current", "xbrl_type": "monetaryItemType",  
nsuri": "http://fasb.org/us-gaap/2024", "localname": "AssetsCurrent", "crdr": "debit", "calculation": { "http://www.hpe.com/role/ConsolidatedBalanceSheets"}, {"parentTag":  
us-gAAP Assets", "weight": 1.0, "order": 1.0 } }, "presentation": { "http://www.hpe.com/role/ConsolidatedBalanceSheets"}, {"lang": "en-us", "role": "totalLabel", "Total  
current assets", "label": "Assets, Current", "documentation": "Amount of asset recognized for present right to economic benefit, classified as current." } } }, {"auth_ref":  
r347", "r369", "r410", "r548", "r675", "r676", "r678", "r679", "r680", "r681", "r682", "r684", "r685", "r942", "r948", "r992", "r1462", "r1742", "r1743", "r1899"} } }, {"us-  
gAAP AssetsCurrentAbstract", "xbrl_type": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AssetsCurrentAbstract", "presentation": {  
http://www.hpe.com/role/ConsolidatedBalanceSheets"}, {"lang": "en-us", "role": "Current Assets", "label": "Assets, Current [Abstract]"} } }, {"auth_ref": "US-  
GAAP Assets Fair Value Disclosure", "xbrl_type": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AssetsFairValueDisclosure", "crdr": "debit",  
presentation": { "http://www.hpe.com/role/FairValueScheduleOfAssetsandLiabilitiesonaRecurringBasisDetails"}, {"lang": "en-us", "role": "Assets, Fair Value  
Disclosure", "label": "Assets, Fair Value Disclosure", "documentation": "Fair value portion of asset recognized for present right to economic benefit." } } }, {"auth_ref":  
r972", "r1449"} } }, {"us-gAAP AssetsFairValueDisclosureAbstract", "xbrl_type": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname":  
"AssetsFairValueDisclosureAbstract", "presentation": { "http://www.hpe.com/role/FairValueScheduleOfAssetsandLiabilitiesonaRecurringBasisDetails"}, {"lang": "en-us", "  
role": "Assets", "label": "Assets, Fair Value Disclosure [Abstract]"} } }, {"auth_ref": "US GAAP Assets Held For Sale Not Part Of Disposal Group Current", "  
xbrl_type": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AssetsHeldForSaleNotPartOfDisposalGroupCurrent", "crdr": "debit", "calculation": {  
http://www.hpe.com/role/ConsolidatedBalanceSheets"}, {"parentTag": "us-gAAP AssetsCurrent", "weight": 1.0, "order": 6.0 } }, "presentation": {  
http://www.hpe.com/role/ConsolidatedBalanceSheets"}, {"lang": "en-us", "role": "Assets held for sale", "label": "Asset, Held for Sale, Not Part of Disposal  
Group, Current", "documentation": "Amount of assets held for sale that are not part of a disposal group, expected to be sold within a year or the normal operating cycle, if  
longer." } } }, {"auth_ref": "r19201", "r1462"} } }, {"HPE Audit Information Abstract", "xbrl_type": "stringItemType", "nsuri": "http://www.hpe.com/20241031", "localname":  
"AuditInformationAbstract", "lang": "en-us", "role": "Audit Information [Abstract]", "documentation": "Audit Information"} } }, {"auth_ref": "DEI Auditor Firm ID", "  
xbrl_type": "nonemptySequenceNumberItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "AuditorFirmID", "presentation": {  
http://www.hpe.com/role/AuditInformation"}, {"lang": "en-us", "role": "Auditor Firm ID", "label": "Auditor Firm ID", "documentation": "PCAOB issued Audit  
firm identifier." } } }, {"auth_ref": "r1501", "r1502", "r1514"} } }, {"dei Auditor Location", "xbrl_type": "internationalNameItemType", "nsuri": "http://xbrl.sec.gov/dei/2024",  
localname": "AuditorLocation", "presentation": { "http://www.hpe.com/role/AuditInformation"}, {"lang": "en-us", "role": "Auditor location", "label": "Auditor  
Location"} } }, {"auth_ref": "r1501", "r1502", "r1514"} } }, {"dei Auditor Name", "xbrl_type": "internationalNameItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname":  
"AuditorName", "presentation": { "http://www.hpe.com/role/AuditInformation"}, {"lang": "en-us", "role": "Auditor name", "label": "Auditor Name"} } }, {"auth_ref": "r1501", "r1502", "r1514"} } }, {"us-GAAP Available For Sale Debt Securities Amortized Cost Basis", "xbrl_type": "monetaryItemType", "nsuri": "http://fasb.org/us-  
gaap/2024", "localname": "AvailableForSaleDebtSecuritiesAmortizedCostBasis", "crdr": "debit", "calculation": {  
http://www.hpe.com/role/FinancialInstrumentsCashEquivalentsandAvailableforSaleInvestmentsDetails"}, {"parentTag": null, "weight": null, "order": null, "root": true } },  
"presentation": { "http://www.hpe.com/role/FinancialInstrumentsCashEquivalentsandAvailableforSaleInvestmentsDetails"}, {"parentTag": null, "weight": null, "order": null, "root": true } },  
"presentation": { "http://www.hpe.com/role
```

```
"presentation": "http://xbrl.sec.gov/ecd/role/AwardTimingDisclosure", "lang": "en-us", "role": "terseLabel", "Fair Value as of Grant Date", "label": "Award Grant Date Fair Value", "auth_ref": "r1573", "ecd AwardTmgDiscLineItems", "xbrlType": "stringItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "AwardTmgDiscLineItems", "lang": "en-us", "role": "label", "Award Timing Disclosures [Line Items]", "auth_ref": "r1568", "ecd AwardTmgHowMnpiCnsdrdTextBlock", "xbrlType": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "AwardTmgHowMnpiCnsdrdTextBlock", "presentation": "http://xbrl.sec.gov/ecd/role/AwardTimingDisclosure", "lang": "en-us", "role": "terseLabel", "Award Timing, How MNPI Considered [Text Block]", "auth_ref": "r1568", "ecd AwardTmgMethodTextBlock", "xbrlType": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "AwardTmgMethodTextBlock", "presentation": "http://xbrl.sec.gov/ecd/role/AwardTimingDisclosure", "lang": "en-us", "role": "terseLabel", "Award Timing Method [Text Block]", "auth_ref": "r1568", "ecd AwardTmgMnpiCnsdrdFlag", "xbrlType": "booleanItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "AwardTmgMnpiCnsdrdFlag", "presentation": "http://xbrl.sec.gov/ecd/role/AwardTimingDisclosure", "lang": "en-us", "role": "terseLabel", "Award Timing MNPI Considered [Flag]", "auth_ref": "r1568", "ecd AwardTmgMnpiDiscTextBlock", "xbrlType": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "AwardTmgMnpiDiscTextBlock", "presentation": "http://xbrl.sec.gov/ecd/role/AwardTimingDisclosure", "lang": "en-us", "role": "terseLabel", "Award Timing MNPI Disclosure [Text Block]", "auth_ref": "r1568", "ecd AwardTmgPredtrmndFlag", "xbrlType": "booleanItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "AwardTmgPredtrmndFlag", "presentation": "http://xbrl.sec.gov/ecd/role/AwardTimingDisclosure", "lang": "en-us", "role": "terseLabel", "Award Timing Predetermined", "label": "Award Timing Predetermined [Flag]", "auth_ref": "r1569", "us-gaap AwardTypeAxis", "xbrlType": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AwardTypeAxis", "presentation": "http://www.hpe.com/role/StockBasedCompensationSummaryofRestrictedStockActivityDetails", "http://xbrl.sec.gov/ecd/role/AwardTimingDisclosure", "lang": "en-us", "role": "terseLabel", "Award Type [Axis], "label": "Award Type [Axis], "documentation": "Information by type of award under share-based payment arrangement.", "auth_ref": "r036", "r037", "r038", "r040", "r041", "r042", "r043", "r044", "r045", "r046", "r047", "r048", "r049", "r050", "r051", "r052", "r053", "r054", "r055", "r056", "r057", "r060", "r061", "r062", "r063", "r064", "ecd AwardUndrlygSecuritiesAmt", "xbrlType": "decimalItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "AwardUndrlygSecuritiesAmt", "presentation": "http://xbrl.sec.gov/ecd/role/AwardTimingDisclosure", "lang": "en-us", "role": "terseLabel", "Underlying Securities", "label": "Award Underlying Securities Amount", "auth_ref": "r1571", "ecd AwardsCloseToMnpiDiscName", "xbrlType": "stringItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "AwardsCloseToMnpiDiscName", "presentation": "http://xbrl.sec.gov/ecd/role/AwardTimingDisclosure", "lang": "en-us", "role": "terseLabel", "Name", "label": "Awards Close in Time to MNPI Disclosures, Individual Name", "auth_ref": "r1570", "ecd AwardsCloseToMnpiDiscTable", "xbrlType": "stringItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "AwardsCloseToMnpiDiscTable", "presentation": "http://xbrl.sec.gov/ecd/role/AwardTimingDisclosure", "lang": "en-us", "role": "terseLabel", "Awards Close in Time to MNPI Disclosures", "label": "Awards Close in Time to MNPI Disclosures [Table]", "auth_ref": "r1569", "ecd AwardsCloseToMnpiDiscTableTextBlock", "xbrlType": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "AwardsCloseToMnpiDiscTableTextBlock", "presentation": "http://xbrl.sec.gov/ecd/role/AwardTimingDisclosure", "lang": "en-us", "role": "terseLabel", "Awards Close in Time to MNPI Disclosures, Table", "label": "Awards Close in Time to MNPI Disclosures [Table Text Block]", "auth_ref": "r1569", "hpe AxisSecurityMember", "xbrlType": "domainItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "AxisSecurityMember", "presentation": "http://www.hpe.com/role/AcquisitionsandDispositionsNarrativeDetails", "lang": "en-us", "role": "terseLabel", "Axis Security", "label": "Axis Security [Member]", "documentation": "Axis Security", "auth_ref": "", "us-gaap BalanceSheetLocationAxis", "xbrlType": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "BalanceSheetLocationAxis", "presentation": "http://www.hpe.com/role/AccountingforLeasesasaLessorNarrativeDetails", "http://www.hpe.com/role/BalanceSheetDetailsNarrativeDetails", "http://www.hpe.com/role/FinancialInstrumentsAmountsRecordedintheBalanceSheetsDetails", "http://www.hpe.com/role/FinancialInstrumentsGrossNotionalandFairValueofInstrumentsintheBalanceSheetsDetails", "http://www.hpe.com/role/FinancialInstrumentsNarrativeDetails", "http://www.hpe.com/role/TransformationProgramsNarrativeDetails", "lang": "en-us", "role": "terseLabel", "Statement of Financial Position Location, Balance [Axis], "label": "Statement of Financial Position Location, Balance [Axis], "documentation": "Information by location in statement of financial position where disaggregated cumulative balance has been reported.", "auth_ref": "r632", "r1916", "r1917", "us-gaap BalanceSheetLocationDomain", "xbrlType": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "BalanceSheetLocationDomain", "presentation": "http://www.hpe.com/role/AccountingforLeasesasaLessorNarrativeDetails", "http://www.hpe.com/role/BalanceSheetDetailsNarrativeDetails", "http://www.hpe.com/role/FinancialInstrumentsAmountsRecordedintheBalanceSheetsDetails", "http://www.hpe.com/role/FinancialInstrumentsGrossNotionalandFairValueofInstrumentsintheBalanceSheetsDetails", "http://www.hpe.com/role/FinancialInstrumentsNarrativeDetails", "http://www.hpe.com/role/TransformationProgramsNarrativeDetails", "lang": "en-us", "role": "terseLabel", "Statement of Financial Position Location, Balance [Domain], "label": "Statement of Financial Position Location, Balance [Domain], "documentation": "Location in statement of financial position where disaggregated cumulative balance has been reported.", "auth_ref": "r120", "r123", "r632", "r1916", "r1917", "hpe BangaloreCommissionerOfCustomsMember", "xbrlType": "domainItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "BangaloreCommissionerOfCustomsMember", "presentation": "http://www.hpe.com/role/LitigationContingenciesandCommitmentsDetails", "lang": "en-us", "role": "terseLabel", "Bangalore Commissioner of Customs", "label": "Bangalore Commissioner Of Customs [Member]", "documentation": "Proceedings alleging the underpayment of customs duties to the Bangalore commissioner of customs under India Directorate of Revenue.", "auth_ref": "", "us-gaap BankTimeDepositsMember", "xbrlType": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "BankTimeDepositsMember", "presentation": "http://www.hpe.com/role/FairValueScheduleofAssetsandLiabilitiesonaRecurringBasisDetails", "http://www.hpe.com/role/FinancialInstrumentsCashEquivalentsandAvailableforSaleInvestmentsDetails", "lang": "en-us", "role": "terseLabel", "Time deposits", "label": "Bank Time Deposits [Member]", "documentation": "Certificates of deposit (CD) or savings accounts with a fixed term or understanding the customer can only withdraw by giving advanced notice with a bank or other financial institution. A CD is a short- to medium-term investment available at banks and savings and loan institutions where a customer agrees to lend money to the institution for a certain amount of time and is paid a predetermined rate of interest.", "auth_ref": "r249", "hpe BasisForExpectedLongTermRateOfReturnOnPlanAssetsPolicyTextBlock", "xbrlType": "textBlockItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "BasisForExpectedLongTermRateOfReturnOnPlanAssetsPolicyTextBlock", "presentation": "http://www.hpe.com/role/OverviewandSummaryofSignificantAccountingPoliciesPolicies", "lang": "en-us", "role": "terseLabel", "Basis for Expected Long-Term Rate of Return on Plan Assets", "label": "Basis for Expected Long-Term Rate of Return on Plan Assets [Policy Text Block]", "documentation": "Disclosure of accounting policy for the basis for expected long-term rate of return on plan assets.", "auth_ref": "", "us-gaap BasisOfAccountingPolicyPolicyTextBlock", "xbrlType": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "BasisOfAccountingPolicyPolicyTextBlock", "presentation": "http://www.hpe.com/role/OverviewandSummaryofSignificantAccountingPoliciesPolicies", "lang": "en-us", "role": "terseLabel", "Basis of Presentation and Principles of Consolidation", "label": "Basis of Accounting, Policy [Policy Text Block]", "documentation": "Disclosure of accounting policy for basis of accounting, or basis of presentation, used to prepare the financial statements (for example, US Generally Accepted Accounting Principles, Other Comprehensive Basis of Accounting, IFRS).", "auth_ref": "", hpe BidAndContractTerm", "xbrlType": "durationItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "BidAndContractTerm", "presentation": "http://www.hpe.com/role/LitigationContingenciesandCommitmentsDetails", "lang": "en-us", "role": "terseLabel", "Bid and contract term", "label": "Bid And Contract Term", "documentation": "Bid And Contract Term", "auth_ref": "", us-gaap BilledRevenuesMember", "xbrlType": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "BilledRevenuesMember", "presentation": "http://www.hpe.com/role/AccountingforLeasesasaLessorSummaryofFagingandNonaccrualStatusofGrossFinancingReceivablesDetails", "lang": "en-us", "role": "terseLabel", "Billed Revenues", "label": "Billed Revenues [Member]", "documentation": "Billed amounts due for services rendered or products shipped. This element is distinct from billed contracts receivables because this is based on noncontract transactions.", "auth_ref": "", us-gaap BuildingAndBuildingImprovementsMember", "xbrlType": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "BuildingAndBuildingImprovementsMember", "presentation": "http://www.hpe.com/role/OverviewandSummaryofSignificantAccountingPoliciesNarrativeDetails", "lang": "en-us", "role": "terseLabel", "Buildings and improvements", "label": "Building and Building Improvements [Member]", "documentation": "Facility held for productive use including, but not limited to, office, production, storage and distribution facilities and any addition, improvement, or renovation to the structure, for example, but not limited to, interior masonry, interior flooring, electrical, and plumbing.", "auth_ref": "", us-gaap BusinessAcquisitionAcquireeDomain", "xbrlType": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "BusinessAcquisitionAcquireeDomain", "presentation": "http://www.hpe.com/role/AcquisitionsandDispositionsAggregatePurchasePriceAllocationDetails", "http://www.hpe.com/role/AcquisitionsandDispositionsNarrativeDetails", "http://www.hpe.com/role/FinancialInstrumentsNarrativeDetails", "http://www.hpe.com/role/GoodwillandIntangibleAssetsNarrativeDetails", "lang": "en-us", "role": "terseLabel", "Business Acquisition, Acquiree [Domain], "label": "Business Acquisition, Acquiree [Domain]", "documentation": "Identification of the acquiree in a material business combination for series of individually immaterial business combinations, which may include the name or other type of identification of the acquiree.", "auth_ref": "r610", "r611", "r612", "r613", "r614", "r937", "r1434", "r1437", us-gaap BusinessAcquisitionAxis", "xbrlType": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "BusinessAcquisitionAxis", "presentation": "http://www.hpe.com/role/AcquisitionsandDispositionsAggregatePurchasePriceAllocationDetails", "http://www.hpe.com/role/AcquisitionsandDispositionsNarrativeDetails", "http://www.hpe.com/role/FinancialInstrumentsNarrativeDetails", "http://www.hpe.com/role/GoodwillandIntangibleAssetsNarrativeDetails", "lang": "en-us", "role": "terseLabel", "Business Acquisition [Axis], "label": "Business Acquisition [Axis]", "documentation": "Information by business combination or series of individually immaterial business combinations.", "auth_ref": "r100", "r101", "r610", "r611", "r612", "r613", "r614", "r937", "r1434", "r1437", us-gaap BusinessAcquisitionContingentConsiderationLineItems", "xbrlType": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "BusinessAcquisitionContingentConsiderationLineItems", "presentation": "http://www.hpe.com/role/AcquisitionsandDispositionsAggregatePurchasePriceAllocationDetails", "lang": "en-us", "role": "terseLabel", "Business Acquisition, Contingent Consideration [Line Item], "label": "Business Acquisition, Contingent Consideration [Line Item]", "documentation": "Line items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table.", "auth_ref": "", us-gaap BusinessAcquisitionSharePrice", "xbrlType": "perShareItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "BusinessAcquisitionSharePrice", "presentation": "http://www.h
```

series of individually immaterial business combinations) completed during the period, including background, timing, and recognized assets and liabilities. The disclosure may include leverage buyout transactions (as applicable)." } } } } "auth_ref": "r219", "r938" } } } } "us-gaap_BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedAssets": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedAssets", "crdr": "debit", "calculation": { "http://www.hpe.com/role/AcquisitionsandDispositionsAggregatePurchasePriceAllocationDetails": { "parentTag": "us-gaap_BusinessCombinationRecognizedIdentifiableAssetsAcquiredGoodwillAndLiabilitiesAssumedNet", "weight": 1.0, "order": 3.0 } }, "presentation": { "http://www.hpe.com/role/AcquisitionsandDispositionsAggregatePurchasePriceAllocationDetails": { "lang": { "en-us": { "role": { "terseLabel": "Net tangible assets assumed", "label": "Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Assets", "documentation": "Amount of assets acquired at the acquisition date." } } } } } } } } } } "auth_ref": "r103" } } } } "us-gaap_BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedIntangibles": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedIntangibles", "crdr": "debit", "calculation": { "http://www.hpe.com/role/AcquisitionsandDispositionsAggregatePurchasePriceAllocationDetails": { "parentTag": "us-gaap_BusinessCombinationRecognizedIdentifiableAssetsAcquiredGoodwillAndLiabilitiesAssumedNet", "weight": 1.0, "order": 2.0 } }, "presentation": { "http://www.hpe.com/role/AcquisitionsandDispositionsAggregatePurchasePriceAllocationDetails": { "http://www.hpe.com/role/AcquisitionsandDispositionsNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Amortizable intangible assets", "label": "Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Finite-Lived Intangibles", "documentation": "The amount of identifiable intangible assets recognized as of the acquisition date." } } } } } } } } } } "auth_ref": "r102", "r103" } } } } "us-gaap_BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedLiabilities": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedLiabilities", "crdr": "credit", "calculation": { "http://www.hpe.com/role/AcquisitionsandDispositionsAggregatePurchasePriceAllocationDetails": { "parentTag": "us-gaap_BusinessCombinationRecognizedIdentifiableAssetsAcquiredGoodwillAndLiabilitiesAssumedNet", "weight": -1.0, "order": 4.0 } }, "presentation": { "http://www.hpe.com/role/AcquisitionsandDispositionsAggregatePurchasePriceAllocationDetails": { "lang": { "en-us": { "role": { "negatedTerseLabel": "Net liabilities assumed", "label": "Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Liabilities", "documentation": "Amount of liabilities assumed at the acquisition date." } } } } } } } } } } "auth_ref": "r103" } } } } "us-gaap_BusinessCombinationRecognizedIdentifiableAssetsAcquiredGoodwillAndLiabilitiesAssumedNet": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "BusinessCombinationRecognizedIdentifiableAssetsAcquiredGoodwillAndLiabilitiesAssumedNet", "crdr": "debit", "calculation": { "http://www.hpe.com/role/AcquisitionsandDispositionsAggregatePurchasePriceAllocationDetails": { "parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": { "http://www.hpe.com/role/AcquisitionsandDispositionsAggregatePurchasePriceAllocationDetails": { "lang": { "en-us": { "role": { "totalLabel": "Total fair value consideration", "label": "Business Combination, Recognized Identifiable Assets Acquired, Goodwill, and Liabilities Assumed, Net", "documentation": "Amount recognized for assets, including goodwill, in excess of (less than) the aggregate liabilities assumed." } } } } } } } } } } "auth_ref": "r103" } } } } "us-gaap_BusinessCombinationsAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "BusinessCombinationsAbstract", "lang": { "en-us": { "role": { "terseLabel": "Business Combinations [Abstract]", "label": "Business Combinations [Abstract]" } } } }, "auth_ref": { "us-gaap_BusinessCombinationsPolicy": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "BusinessCombinationsPolicy", "presentation": { "http://www.hpe.com/role/OverviewandSummaryofSignificantAccountingPoliciesPolicies": { "lang": { "en-us": { "role": { "terseLabel": "Business Combinations", "label": "Business Combinations Policy [Policy Text Block]", "documentation": "Disclosure of accounting policy for completed business combinations (purchase method, acquisition method or combination of entities under common control). This accounting policy may include a general discussion of the purchase method or acquisition method of accounting (including for example, the treatment accorded contingent consideration, the identification of assets and liabilities, the purchase price allocation process, how the fair values of acquired assets and liabilities are determined) and the entity's specific application thereof. An entity that acquires another entity in a leveraged buyout transaction generally discloses the accounting policy followed by the acquiring entity in determining the basis used to value its interest in the acquired entity, and the rationale for that accounting policy." } } } } } } } } } } "auth_ref": "r220", "r221", "r222", "r223" } } } } "us-gaap_BusinessExitCosts1": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "BusinessExitCosts1", "crdr": "debit", "calculation": { "http://www.hpe.com/role/SegmentInformationReconciliationofSegmentOperatingResultsDetails": { "parentTag": "us-gaap_IncomeLossFromContinuingOperationsBeforeIncomeTaxesExtraordinaryItemsNoncontrollingInterest", "weight": -1.0, "order": 9.0 } }, "presentation": { "http://www.hpe.com/role/SegmentInformationReconciliationofSegmentOperatingResultsDetails": { "lang": { "en-us": { "role": { "negatedTerseLabel": "Divestiture related exit costs", "label": "Business Exit Costs", "documentation": "Amount of expenses associated with exit or disposal activities pursuant to an authorized plan. Includes, but is not limited to, one-time termination benefits, termination of an operating lease or other contract, consolidating or closing facilities, and relocating employees, and termination benefits associated with an ongoing benefit arrangement. Excludes expenses associated with special or contractual termination benefits, a discontinued operation or an asset retirement obligation." } } } } } } } } } } "auth_ref": "r171" } } } } "hpe_CITGBusinessMember": { "xbrltype": "domainItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "CITGBusinessMember", "presentation": { "http://www.hpe.com/role/AcquisitionsandDispositionsNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "CTG Business", "label": "CTG Business [Member]", "documentation": "CTG Business" } } } } } } } } } } "auth_ref": { "hpe_CapitalLeaseObligationsAndOtherBorrowings": { "xbrltype": "monetaryItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "CapitalLeaseObligationsAndOtherBorrowings", "crdr": "credit", "presentation": { "http://www.hpe.com/role/BorrowingsLongTermDebtDetails": { "lang": { "en-us": { "role": { "terseLabel": "Other, including capital lease obligations", "label": "Capital Lease Obligations and Other Borrowings", "documentation": "The total of the amount of other borrowings and capital lease obligations. Capital lease obligations represents the amount equal to the present value (the principal) at the beginning of the lease term of minimum lease payments during the lease term (excluding that portion of the payments representing executor costs such as insurance, maintenance, and taxes to be paid by the lessee, together with any profit thereon) net of payments or other amounts applied to the principal through the balance sheet date." } } } } } } } } } } "auth_ref": { "us-gaap_CapitalLossCarryforwardMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CapitalLossCarryforwardMember", "presentation": { "http://www.hpe.com/role/TaxesonEarningsDeferredTaxAssetsandLiabilitiesIncludedinCondensedConsolidatedBalanceSheetsDetails": { "lang": { "en-us": { "role": { "terseLabel": "Capital loss carryforwards", "label": "Capital Loss Carryforward [Member]", "documentation": "Deductions derived from capital losses that cannot be utilized on the tax return during a period that have been carried forward to reduce taxable income or taxes payable in a future year." } } } } } } } } } } "auth_ref": { "us-gaap_CapitalizedComputerSoftwareAdditions": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CapitalizedComputerSoftwareAdditions", "crdr": "debit", "presentation": { "http://www.hpe.com/role/GoodwillandIntangibleAssetsNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Capitalized computer software, additions", "label": "Capitalized Computer Software, Additions", "documentation": "Additions made to capitalized computer software costs during the period." } } } } } } } } } } "auth_ref": { "r1382" } } } } "us-gaap_CapitalizedComputerSoftwareGross": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CapitalizedComputerSoftwareGross", "crdr": "debit", "presentation": { "http://www.hpe.com/role/BalanceSheetDetailsNarrativeDetails": { "http://www.hpe.com/role/BalanceSheetDetailsPropertyPlantandEquipmentDetails": { "lang": { "en-us": { "role": { "terseLabel": "Internal use software", "label": "Capitalized Computer Software, Gross", "documentation": "Amount before accumulated amortization of capitalized costs for computer software, including but not limited to, acquired and internally developed computer software." } } } } } } } } } } "auth_ref": { "r615", "r1382" } } } } "us-gaap_CapitalizedContractCostAmortization": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CapitalizedContractCostAmortization", "crdr": "debit", "presentation": { "http://www.hpe.com/role/BalanceSheetDetailsNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Amortization of capitalized costs to obtain a contract", "label": "Capitalized Contract Cost, Amortization", "documentation": "Amount of amortization expense for asset recognized from cost incurred to obtain or fulfill contract with customer." } } } } } } } } } } "auth_ref": { "r592" } } } } "us-gaap_CapitalizedContractCostAmortizationPeriod": { "xbrltype": "durationItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CapitalizedContractCostAmortizationPeriod", "presentation": { "http://www.hpe.com/role/OverviewandSummaryofSignificantAccountingPoliciesNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Amortization period", "label": "Capitalized Contract Cost, Amortization Period", "documentation": "Amortization period of cost capitalized in obtaining or fulfilling contract with customer, in PnYnMnDnTnHnMnS format, for example, P1Y5M13D represents reported fact of one year, five months, and thirteen days." } } } } } } } } } } "auth_ref": { "r1598" } } } } "us-gaap_CapitalizedContractCostNetCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CapitalizedContractCostNetCurrent", "crdr": "debit", "presentation": { "http://www.hpe.com/role/BalanceSheetDetailsNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Current portion of capitalized costs", "label": "Capitalized Contract Cost, Net, Current", "documentation": "Amount, after accumulated amortization and accumulated impairment loss, of asset recognized from cost incurred to obtain or fulfill contract with customer, classified as current." } } } } } } } } } } "auth_ref": { "r591" } } } } "us-gaap_CapitalizedContractCostNetNoncurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CapitalizedContractCostNetNoncurrent", "crdr": "debit", "presentation": { "http://www.hpe.com/role/BalanceSheetDetailsNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Noncurrent portion of capitalized costs", "label": "Capitalized Contract Cost, Net, Noncurrent", "documentation": "Amount, after accumulated amortization and accumulated impairment loss, of asset recognized from cost incurred to obtain or fulfill contract with customer, classified as noncurrent." } } } } } } } } } } "auth_ref": { "r591" } } } } "hpe_CapitalizedSoftwareDevelopmentCostsMember": { "xbrltype": "domainItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "CapitalizedSoftwareDevelopmentCostsMember", "presentation": { "http://www.hpe.com/role/GoodwillandIntangibleAssetsIntangibleAssetsDetails": { "http://www.hpe.com/role/GoodwillandIntangibleAssetsNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Capitalized software development costs", "label": "Capitalized Software Development Costs [Member]", "documentation": "Capitalized Software Development Costs" } } } } } } } } } } "auth_ref": { "hpe_CapitalizedSoftwareForInternalUseMember": { "xbrltype": "domainItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "CapitalizedSoftwareForInternalUseMember", "presentation": { "http://www.hpe.com/role/OverviewandSummaryofSignificantAccountingPoliciesNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Capitalized internal use software", "label": "Capitalized Software For Internal Use [Member]", "documentation": "Capitalized costs of purchased software applications and capitalized costs to develop software for internal use." } } } } } } } } } } "auth_ref": { "us-gaap_CarryingReportedAmountFairValueDisclosureMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CarryingReportedAmountFairValueDisclosureMember", "presentation": { "http://www.hpe.com/role/FinancialInstrumentsCashEquivalentsandAvailableforSaleInvestmentsDetails": { "lang": { "en-us": { "role": { "terseLabel": "Cost", "label": "Reported Value Measurement [Member]", "documentation": "Measured as reported on the statement of financial position (balance sheet)." } } } } } } } } } } "auth_ref": { "r136", "r137" } } } } "us-gaap_CashAndCashEquivalentsAtCarryingValue": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CashAndCashEquivalentsAtCarryingValue", "crdr": "debit", "calculation": { "http://www.hpe.com/role/ConsolidatedBalanceSheets": { "parentTag": "us-gaap_AssetsCurrent", "weight": 1.0, "order": 1.0 } }, "http://www.hpe.com/role/BalanceSheetDetailsScheduleofCashandCashEquivalentsDetails": { "parentTag": "us-gaap_CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalents", "weight": 1.0, "order": 1.0 } }, "presentation": { "http://www.hpe.com/role/BalanceSheetDetailsScheduleofCashandCashEquivalentsDetails": { "http://www.hpe.com/role/ConsolidatedBalanceSheets": { "lang": { "en-us": { "role": { "terseLabel": "Cash and cash equivalents", "label": "Cash and Cash Equivalents, at Carrying Value", "documentation": "Amount of currency on hand as well as demand deposits with banks or financial institutions. Includes other kinds of accounts that have the general characteristics of demand deposits. Also includes short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates. Excludes cash and cash equivalents within disposal group and discontinued operation." } } } } } } } } } } "auth_ref": { "r351", "r350", "r1388" } } } } "us-gaap_CashAndCashEquivalentsAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CashAndCashEquivalentsAxis", "presentation": { "http://www.hpe.com/role/FinancialInstrumentsCashEquivalentsandAvailableforSaleInvestmentsDetails": { "lang": { "en-us": { "role": { "terseLabel": "Cash and Cash Equivalents [Axis]", "label": "Cash and Cash Equivalents [Axis]", "documentation": "Information by type of cash and cash equivalent balance." } } } } } } } } } } "auth_ref": { "r350" } } } } "us-gaap_CashAndCashEquivalentsLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CashAndCashEquivalentsLineItems", "presentation": { "http://www.hpe.com/role/FinancialInstrumentsCashEquivalentsandAvailableforSaleInvestmentsDetails": { "lang": { "en-us": { "role": { "terseLabel": "Cash and Cash Equivalents [Line Items]", "label": "Cash and Cash Equivalents [Line Items]", "documentation": "Line items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table." } } } } } } } } } } "auth_ref": { "us-gaap_CashAndCashEquivalentsRestrictedCashAndCashEquivalentsPolicy": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CashAndCashEquivalentsRestrictedCashAndCashEquivalentsPolicy", "presentation": { "http://www.hpe.com/role/OverviewandSummaryofSignificantAccountingPoliciesPolicies": { "lang": { "en-us": { "role": { "terseLabel": "Restricted Cash", "label": "Cash and Cash Equivalents, Restricted Cash and Cash Equivalents, Policy [Policy Text Block]", "documentation": "Entity's cash and cash equivalents accounting policy with respect to restricted balances. Restrictions may include legally restricted deposits held as compensating balances against short-term borrowing arrangements, contracts entered into

on others, or company statements of intention with regard to particular deposits; however, time deposits and short-term certificates of deposit are not generally included in legally restricted deposits." } } }, "auth_ref": { "r52": "r233" } }, "us-gaap_CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalents": { "xbrlType": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalents", "crdr": "debit", "calculation": { "http://www.hpe.com/role/BalanceSheetDetailsScheduleofCashandCashEquivalentsDetails": { "parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": { "http://www.hpe.com/role/BalanceSheetDetailsScheduleofCashandCashEquivalentsDetails": { "http://www.hpe.com/role/ConsolidatedStatementsOfCashFlows": { "lang": { "en-us": { "role": { "periodStartLabel": "Cash, cash equivalents and restricted cash at beginning of period", "periodEndLabel": "Cash, cash equivalents and restricted cash at end of period", "totalLabel": "Total", "label": "Cash, Cash Equivalents, Restricted Cash, and Restricted Cash Equivalents", "documentation": "Amount of cash and cash equivalents, and cash and cash equivalents restricted to withdrawal or usage. Excludes amount for disposal group and discontinued operations. Cash includes, but is not limited to, currency on hand, demand deposits with banks or financial institutions, and other accounts with general characteristics of demand deposits. Cash equivalents include, but are not limited to, short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates." } } }, "auth_ref": { "r51": "r190", "r407" } } }, "us-gaap_CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalentsPeriodIncreaseDecreaseIncludingExchangeRateEffect": { "xbrlType": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalentsPeriodIncreaseDecreaseIncludingExchangeRateEffect", "crdr": "debit", "calculation": { "http://www.hpe.com/role/ConsolidatedStatementsOfCashFlows": { "parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": { "http://www.hpe.com/role/ConsolidatedStatementsOfCashFlows": { "lang": { "en-us": { "role": { "totalLabel": "Change in cash, cash equivalents and restricted cash", "label": "Cash, Cash Equivalents, Restricted Cash, and Restricted Cash Equivalents, Period Increase (Decrease), Including Exchange Rate Effect", "documentation": "Amount of increase (decrease) in cash, cash equivalents, and cash and cash equivalents restricted to withdrawal or usage, including effect from exchange rate change. Cash includes, but is not limited to, currency on hand, demand deposits with banks or financial institutions, and other accounts with general characteristics of demand deposits. Cash equivalents include, but are not limited to, short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates." } } }, "auth_ref": { "r51": "r190", "r407" } } } }, "us-gaap_CashCollateralForBorrowedSecurities": { "xbrlType": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CashCollateralForBorrowedSecurities", "crdr": "debit", "presentation": { "http://www.hpe.com/role/FinancialInstrumentsOffsettingAssetsandLiabilitiesDetails": { "lang": { "en-us": { "role": { "terseLabel": "Cash collateral posted", "label": "Cash Collateral for Borrowed Securities", "documentation": "Carrying amount as of the balance sheet date of cash collateral held for borrowed securities, for which the cash is restricted as to withdrawal or usage." } } }, "auth_ref": { "r234", "r1913" } }, "hpe_CashEquivalentsAndAvailableForSaleSecuritiesCostBasis": { "xbrlType": "monetaryItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "CashEquivalentsAndAvailableForSaleSecuritiesCostBasis", "crdr": "debit", "calculation": { "http://www.hpe.com/role/FinancialInstrumentsCashEquivalentsandAvailableforSaleInvestmentsDetails": { "parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": { "http://www.hpe.com/role/FinancialInstrumentsCashEquivalentsandAvailableforSaleInvestmentsDetails": { "lang": { "en-us": { "role": { "totalLabel": "Total cash equivalents and available for sale investments, cost basis", "label": "Cash Equivalents and Available For Sale Securities, Cost Basis", "documentation": "Cash Equivalents and Available For Sale Securities, Cost Basis" } } }, "auth_ref": { "r234", "r1913" } }, "us-gaap_CashEquivalentsAtCarryingValue": { "xbrlType": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CashEquivalentsAtCarryingValue", "crdr": "debit", "calculation": { "http://www.hpe.com/role/FinancialInstrumentsCashEquivalentsandAvailableforSaleInvestmentsDetails": { "parentTag": "hpe_CashEquivalentsAndAvailableForSaleSecuritiesFairValue", "weight": 1.0, "order": 1.0 } }, "presentation": { "http://www.hpe.com/role/FinancialInstrumentsCashEquivalentsandAvailableforSaleInvestmentsDetails": { "lang": { "en-us": { "role": { "terseLabel": "Cash Equivalents, at Carrying Value", "label": "Cash Equivalents, at Carrying Value", "documentation": "Amount of short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates. Excludes cash and cash equivalents within disposal group and discontinued operation." } } }, "auth_ref": { "r1622", "r1913" } }, "hpe_CashEquivalentsAndAvailableForSaleSecuritiesFairValue": { "xbrlType": "monetaryItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "CashEquivalentsAndAvailableForSaleSecuritiesFairValue", "crdr": "debit", "calculation": { "http://www.hpe.com/role/FinancialInstrumentsCashEquivalentsandAvailableforSaleInvestmentsDetails": { "parentTag": "hpe_CashEquivalentsAndAvailableForSaleSecuritiesFairValue", "weight": 1.0, "order": 1.0 } }, "presentation": { "http://www.hpe.com/role/FinancialInstrumentsCashEquivalentsandAvailableforSaleInvestmentsDetails": { "lang": { "en-us": { "role": { "terseLabel": "Cash Equivalents, at Carrying Value", "label": "Cash Equivalents, at Carrying Value", "documentation": "Amount of short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates. Excludes cash and cash equivalents within disposal group and discontinued operation." } } }, "auth_ref": { "r1622", "r1913" } }, "hpe_CashFlowActivityLesseeAbstract": { "xbrlType": "stringItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "CashFlowActivityLesseeAbstract", "presentation": { "http://www.hpe.com/role/AccountingforLeasesasLesseeAdditionalInformationDetails": { "lang": { "en-us": { "role": { "terseLabel": "Cash Flow Statement Activity", "label": "Cash Flow, Activity, Lessee [Abstract]", "documentation": "Cash Flow, Activity, Lessee" } } }, "auth_ref": { "r234", "r1913" } }, "us-gaap_CashFlowHedgingMember": { "xbrlType": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CashFlowHedgingMember", "presentation": { "http://www.hpe.com/role/FinancialInstrumentsGrossNotionalandFairValueofInstrumentsintheBalanceSheetsDetails": { "http://www.hpe.com/role/FinancialInstrumentsNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Cash Flow Hedges", "label": "Cash Flow Hedging [Member]", "documentation": "Hedge of the exposure to variability in the cash flows of a recognized asset or liability, or of a forecasted transaction, that is attributable to a particular risk." } } }, "auth_ref": { "r117" } }, "hpe_CashReceipts": { "xbrlType": "monetaryItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "CashReceipts", "crdr": "debit", "presentation": { "http://www.hpe.com/role/BalanceSheetDetailsRevolvingShortTermFinancingReceivableDetails": { "lang": { "en-us": { "role": { "negatedTerseLabel": "Cash receipts", "label": "Cash Receipts", "documentation": "The aggregate amount of cash receipts under revolving financing receivables arrangements facilities during the reporting period." } } }, "auth_ref": { "r1622", "r1913" } }, "ecd_ChangedPeerGroupFnTextBlock": { "xbrlType": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "ChangedPeerGroupFnTextBlock", "presentation": { "http://xbrl.sec.gov/ecd/role/PvpDisclosure": { "lang": { "en-us": { "role": { "terseLabel": "Changed Peer Group, Footnote", "label": "Changed Peer Group, Footnote [Text Block]" } } }, "auth_ref": { "r1547" } }, "us-gaap_ChangesInProjectedBenefitObligationsFairValueOfPlanAssetsAndFundedStatusOfPlanTableTextBlock": { "xbrlType": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ChangesInProjectedBenefitObligationsFairValueOfPlanAssetsAndFundedStatusOfPlanTableTextBlock", "presentation": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansTables": { "lang": { "en-us": { "role": { "terseLabel": "Schedule of funded status of the direct plans", "label": "Changes in Projected Benefit Obligations, Fair Value of Plan Assets, and Funded Status of Plan [Table Text Block]", "documentation": "Tabular disclosure of the change in the benefit obligation, fair value of plan assets, and funded status of pension plans or other employee benefit plans." } } }, "auth_ref": { "r136" } }, "ecd_ChnglnFrValAsOfVstngDIOFPrrYrEqtyAwrdsVstdInCvrdYrMember": { "xbrlType": "domainItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "ChnglnFrValAsOfVstngDIOFPrrYrEqtyAwrdsVstdInCvrdYrMember", "presentation": { "http://xbrl.sec.gov/ecd/role/PvpDisclosure": { "lang": { "en-us": { "role": { "terseLabel": "Change in Fair Value as of Vesting Date of Prior Year Equity Awards Vested in Covered Year", "label": "Change in Fair Value as of Vesting Date of Prior Year Equity Awards Vested in Covered Year [Member]" } } }, "auth_ref": { "r1544" } }, "ecd_ChnglnFrValOfOutsdngAndUnvstdEqtyAwrdsGrntdInPrrYrsMember": { "xbrlType": "domainItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "ChnglnFrValOfOutsdngAndUnvstdEqtyAwrdsGrntdInPrrYrsMember", "presentation": { "http://xbrl.sec.gov/ecd/role/PvpDisclosure": { "lang": { "en-us": { "role": { "terseLabel": "Year-over-Year Change in Fair Value of Equity Awards Granted in Prior Years That are Outstanding and Unvested", "label": "Year-over-Year Change in Fair Value of Equity Awards Granted in Prior Years That are Outstanding and Unvested [Member]" } } }, "auth_ref": { "r1542" } }, "dei_CityAreaCode": { "xbrlType": "normalizedStringItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "CityAreaCode", "presentation": { "http://www.hpe.com/role/CoverPage": { "lang": { "en-us": { "role": { "terseLabel": "City Area Code", "label": "City Area Code", "documentation": "Area code of city" } } }, "auth_ref": { "r234" } }, "us-gaap_ClassOfStockDomain": { "xbrlType": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ClassOfStockDomain", "presentation": { "http://www.hpe.com/role/AcquisitionsandDispositionsNarrativeDetails": { "http://www.hpe.com/role/ConsolidatedBalanceSheetsParentetical": { "http://www.hpe.com/role/ConsolidatedStatementsOfCashFlowsParentetical": { "http://www.hpe.com/role/ConsolidatedStatementsOfStockholdersEquityParentetical": { "http://www.hpe.com/role/CoverPage": { "http://www.hpe.com/role/NetEarningsPerShareDetails": { "http://www.hpe.com/role/StockholdersEquityNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Class of Stock [Domain]", "label": "Class of Stock [Domain]", "documentation": "Share of stock differentiated by the voting rights the holder receives. Examples include, but are not limited to, common stock, redeemable preferred stock, nonredeemable preferred stock, and convertible stock." } } }, "auth_ref": { "r296", "r359", "r360", "r361", "r410", "r435", "r439", "r448", "r450", "r459", "r460", "r548", "r675", "r678", "r679", "r680", "r684", "r685", "r717", "r718", "r722", "r725", "r733", "r992", "r1188", "r1189", "r1190", "r1191", "r1197", "r1198", "r1199", "r1200", "r1201", "r1202", "r1203", "r1204", "r1205", "r1206", "r1207", "r1208", "r1232", "r1255", "r1274", "r1360", "r1361", "r1362", "r1363", "r1364", "r1588", "r1640", "r1655" } }, "us-gaap_ClassOfTreasuryStockTable": { "xbrlType": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ClassOfTreasuryStockTable", "presentation": { "http://www.hpe.com/role/StockholdersEquityNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Class of Treasury Stock [Table]", "label": "Class of Treasury Stock [Table]", "documentation": "Disclosure of information about treasury stock, including, but not limited to, average cost per share, description of share repurchase program, shares repurchased, shares held for each class of treasury stock." } } }, "auth_ref": { "r83", "r84", "r85", "r86" } }, "ecd_CoSelectedMeasureAmt": { "xbrlType": "decimalItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "CoSelectedMeasureAmt", "presentation": { "http://xbrl.sec.gov/

```

presentation": "http://www.hpe.com/role/ConsolidatedStatementsOfStockholdersEquity", "lang": "en-us", "role": "terseLabel", "Common Stock [Member]", "documentation": "Stock that is subordinate to all other stock of the issuer.", "auth_ref": "r1482", "r1483", "r1484", "r1486", "r1487", "r1488", "r1489", "r1651", "r1652", "r1654", "r1868", "r1948", "r1952", "us-gaap CommonStockParOrStatedValuePerShare", "xbrltype": "perShareItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CommonStockParOrStatedValuePerShare", "presentation": "http://www.hpe.com/role/ConsolidatedBalanceSheets", "http://www.hpe.com/role/ConsolidatedBalanceSheetsParenthetical", "lang": "en-us", "role": "terseLabel", "Common stock, par value ($ per share)", "label": "Common Stock, Par or Stated Value Per Share", "documentation": "Face amount or stated value per share of common stock.", "auth_ref": "r159", "us-gaap CommonStockSharesAuthorized", "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CommonStockSharesAuthorized", "presentation": "http://www.hpe.com/role/ConsolidatedBalanceSheetsParenthetical", "http://www.hpe.com/role/StockBasedCompensationEmployeeStockPurchasePlanDetails", "lang": "en-us", "role": "terseLabel", "Common stock, authorized (in shares)", "label": "Common Stock, Shares Authorized", "documentation": "The maximum number of common shares permitted to be issued by an entity's charter and bylaws.", "auth_ref": "r159", "r1232", "us-gaap CommonStockSharesIssued", "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CommonStockSharesIssued", "presentation": "http://www.hpe.com/role/ConsolidatedBalanceSheetsParenthetical", "lang": "en-us", "role": "terseLabel", "Common stock, issued (in shares)", "label": "Common Stock, Shares Issued", "documentation": "Total number of common shares of an entity that have been sold or granted to shareholders (includes common shares that were issued, repurchased and remain in the treasury). These shares represent capital invested by the firm's shareholders and owners, and may be all or only a portion of the number of shares authorized. Shares issued include shares outstanding and shares held in the treasury.", "auth_ref": "r159", "us-gaap CommonStockSharesOutstanding", "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CommonStockSharesOutstanding", "presentation": "http://www.hpe.com/role/ConsolidatedBalanceSheetsParenthetical", "http://www.hpe.com/role/ConsolidatedStatementsOfStockholdersEquity", "lang": "en-us", "role": "terseLabel", "Common stock, outstanding (in shares)", "periodStartLabel": "Balance (in shares)", "periodEndLabel": "Balance (in shares)", "label": "Common Stock, Shares, Outstanding", "documentation": "Number of shares of common stock outstanding. Common stock represent the ownership interest in a corporation.", "auth_ref": "r330", "r159", "r1232", "r1252", "r1952", "r1953", "us-gaap CommonStockValueOutstanding", "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CommonStockValueOutstanding", "crdr": "credit", "calculation": "http://www.hpe.com/role/ConsolidatedBalanceSheets", "parentTag": "us-gaap StockholdersEquity", "weight": 1.0, "order": 1.0, "presentation": "http://www.hpe.com/role/ConsolidatedBalanceSheets", "lang": "en-us", "role": "terseLabel", "Common stock, $0.01 par value (9,600,000,000 shares authorized; 1,297,258,235 and 1,292,630,405 issued and outstanding at October 31, 2024 and October100a031, 2023, respectively)", "label": "Common Stock, Value, Outstanding", "documentation": "Value of common shares held by shareholders. Excludes common shares repurchased and held as treasury shares.", "auth_ref": "r159", "r1232", "ecd CompActuallyPaidVsCoSelectedMeasureTextBlock", "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "CompActuallyPaidVsCoSelectedMeasureTextBlock", "presentation": "http://xbrl.sec.gov/ecd/role/PvpDisclosure", "lang": "en-us", "role": "terseLabel", "Compensation Actually Paid vs. Company Selected Measure", "label": "Compensation Actually Paid vs. Company Selected Measure [Text Block]", "auth_ref": "r1553", "ecd CompActuallyPaidVsNetIncomeTextBlock", "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "CompActuallyPaidVsNetIncomeTextBlock", "presentation": "http://xbrl.sec.gov/ecd/role/PvpDisclosure", "lang": "en-us", "role": "terseLabel", "Compensation Actually Paid vs. Net Income", "label": "Compensation Actually Paid vs. Net Income [Text Block]", "auth_ref": "r1552", "ecd CompActuallyPaidVsOtherMeasureTextBlock", "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "CompActuallyPaidVsOtherMeasureTextBlock", "presentation": "http://xbrl.sec.gov/ecd/role/PvpDisclosure", "lang": "en-us", "role": "terseLabel", "Compensation Actually Paid vs. Other Measure", "label": "Compensation Actually Paid vs. Other Measure [Text Block]", "auth_ref": "r1554", "ecd CompActuallyPaidVsTotalShareholderRtnTextBlock", "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "CompActuallyPaidVsTotalShareholderRtnTextBlock", "presentation": "http://xbrl.sec.gov/ecd/role/PvpDisclosure", "lang": "en-us", "role": "terseLabel", "Compensation Actually Paid vs. Total Shareholder Return", "label": "Compensation Actually Paid vs. Total Shareholder Return [Text Block]", "auth_ref": "r1551", "us-gaap CompensationAndRetirementDisclosureAbstract", "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CompensationAndRetirementDisclosureAbstract", "lang": "en-us", "role": "terseLabel", "Retirement Benefits [Abstract]", "label": "Retirement Benefits [Abstract]", "auth_ref": "us-gaap ComponentsOfDeferredTaxAssetsAbstract", "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ComponentsOfDeferredTaxAssetsAbstract", "presentation": "http://www.hpe.com/role/TaxesonEarningsComponentsOfDeferredTaxAssetsandDeferredTaxLiabilitiesDetails", "lang": "en-us", "role": "terseLabel", "Deferred tax assets", "label": "Components of Deferred Tax Assets [Abstract]", "auth_ref": "us-gaap ComponentsOfDeferredTaxAssetsAndLiabilitiesAbstract", "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ComponentsOfDeferredTaxAssetsAndLiabilitiesAbstract", "presentation": "http://www.hpe.com/role/TaxesonEarningsComponentsOfDeferredTaxAssetsandDeferredTaxLiabilitiesDetails", "http://www.hpe.com/role/TaxesonEarningsDeferredTaxAssetsandLiabilitiesincludedinCondensedConsolidatedBalanceSheetsDetails", "lang": "en-us", "role": "terseLabel", "Significant components of deferred tax assets and deferred tax liabilities", "label": "Components of Deferred Tax Assets and Liabilities [Abstract]", "auth_ref": "us-gaap ComponentsOfDeferredTaxLiabilitiesAbstract", "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ComponentsOfDeferredTaxLiabilitiesAbstract", "presentation": "http://www.hpe.com/role/TaxesonEarningsComponentsOfDeferredTaxAssetsandDeferredTaxLiabilitiesDetails", "lang": "en-us", "role": "terseLabel", "Deferred tax liabilities", "label": "Components of Deferred Tax Liabilities [Abstract]", "auth_ref": "us-gaap ComprehensiveIncomeNetOfTax", "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ComprehensiveIncomeNetOfTax", "crdr": "credit", "calculation": "http://www.hpe.com/role/ConsolidatedStatementsOfComprehensiveIncome", "parentTag": null, "weight": null, "order": null, "root": true, "presentation": "http://www.hpe.com/role/ConsolidatedStatementsOfComprehensiveIncome", "lang": "en-us", "role": "totalLabel", "Comprehensive Income", "label": "Comprehensive Income (Loss), Net of Tax, Attributable to Parent", "documentation": "Amount after tax of increase (decrease) in equity from transactions and other events and circumstances from net income and other comprehensive income, attributable to parent entity. Excludes changes in equity resulting from investments by owners and distributions to owners.", "auth_ref": "r46", "r385", "r387", "r395", "r1123", "r1147", "r1148", "us-gaap ComprehensiveIncomeNetOfTaxIncludingPortionAttributableToNoncontrollingInterest", "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ComprehensiveIncomeNetOfTaxIncludingPortionAttributableToNoncontrollingInterest", "crdr": "credit", "presentation": "http://www.hpe.com/role/ConsolidatedStatementsOfStockholdersEquity", "lang": "en-us", "role": "terseLabel", "Comprehensive income", "label": "Comprehensive Income (Loss), Net of Tax, Including Portion Attributable to Noncontrolling Interest", "documentation": "Amount after tax of increase (decrease) in equity from transactions and other events and circumstances from net income and other comprehensive income. Excludes changes in equity resulting from investments by owners and distributions to owners.", "auth_ref": "r113", "r226", "r385", "r387", "r394", "r1122", "r1147", "hpe ComputeMember", "xbrltype": "domainItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "ComputeMember", "presentation": "http://www.hpe.com/role/GoodwillandIntangibleAssetsCarryingValueofGoodwillbyReportableSegmentDetails", "http://www.hpe.com/role/GoodwillandIntangibleAssetsNarrativeDetails", "lang": "en-us", "role": "terseLabel", "Compute", "label": "Compute [Member]", "documentation": "Compute [Member]", "auth_ref": "us-gaap ConcentrationRiskBenchmarkDomain", "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ConcentrationRiskBenchmarkDomain", "presentation": "http://www.hpe.com/role/SegmentInformationNarrativeDetail", "lang": "en-us", "role": "terseLabel", "Concentration Risk Benchmark [Domain]", "label": "Concentration Risk Benchmark [Domain]", "documentation": "The denominator in a calculation of a disclosed concentration risk percentage.", "auth_ref": "r62", "r63", "r138", "r139", "r503", "r1368", "us-gaap ConcentrationRiskByBenchmarkAxis", "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ConcentrationRiskByBenchmarkAxis", "presentation": "http://www.hpe.com/role/SegmentInformationNarrativeDetail", "lang": "en-us", "role": "terseLabel", "Concentration Risk Benchmark [Axis]", "label": "Concentration Risk Benchmark [Axis]", "documentation": "Information by benchmark of concentration risk.", "auth_ref": "r62", "r63", "r138", "r139", "r503", "r1368", "us-gaap ConcentrationRiskByTypeAxis", "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ConcentrationRiskByTypeAxis", "presentation": "http://www.hpe.com/role/OverviewandSummaryofSignificantAccountingPoliciesNarrativeDetails", "http://www.hpe.com/role/SegmentInformationNarrativeDetail", "lang": "en-us", "role": "terseLabel", "Concentration Risk Type [Axis]", "label": "Concentration Risk Type [Axis]", "documentation": "Information by type of concentration risk, for example, but not limited to, asset, liability, net assets, geographic, customer, employees, supplier, lender.", "auth_ref": "r62", "r63", "r138", "r139", "r503", "r1368", "r1597", "us-gaap ConcentrationRiskCreditRisk", "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ConcentrationRiskCreditRisk", "presentation": "http://www.hpe.com/role/OverviewandSummaryofSignificantAccountingPolicies", "lang": "en-us", "role": "terseLabel", "Concentrations of Risk", "label": "Concentration Risk, Credit Risk, Policy [Policy Text Block]", "documentation": "Disclosure of accounting policy for credit risk.", "auth_ref": "r282", "us-gaap ConcentrationRiskPercentage1", "xbrltype": "percentItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ConcentrationRiskPercentage1", "presentation": "http://www.hpe.com/role/OverviewandSummaryofSignificantAccountingPoliciesNarrativeDetails", "http://www.hpe.com/role/SegmentInformationNarrativeDetail", "lang": "en-us", "role": "terseLabel", "Concentration of credit risk (as a percent)", "label": "Concentration Risk, Percentage", "documentation": "For an entity that discloses a concentration risk in relation to quantitative amount, which serves as the 'benchmark' (or denominator) in the equation, this concept represents the concentration percentage derived from the division.", "auth_ref": "r62", "r63", "r138", "r139", "r503", "us-gaap ConcentrationRiskTable", "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ConcentrationRiskTable", "presentation": "http://www.hpe.com/role/SegmentInformationNarrativeDetail", "lang": "en-us", "role": "terseLabel", "Concentration Risk [Table]", "label": "Concentration Risk [Table]", "documentation": "Disclosure of information about concentration risk. Includes, but is not limited to, percentage of concentration risk and benchmark serving as denominator in calculation of percentage of concentration risk.", "auth_ref": "r61", "r62", "r63", "r64", "r138", "r232", "r1368", "us-gaap ConcentrationRiskTypeDomain", "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ConcentrationRiskTypeDomain", "presentation": "http://www.hpe.com/role/OverviewandSummaryofSignificantAccountingPoliciesNarrativeDetails", "http://www.hpe.com/role/SegmentInformationNarrativeDetail", "lang": "en-us", "role": "terseLabel", "Concentration Risk Type [Domain]", "label": "Concentration Risk Type [Domain]", "documentation": "For an entity that discloses a concentration risk as a percentage of some financial balance or benchmark, identifies the type (for example, asset, liability, net assets, geographic, customer, employees, supplier, lender) of the concentration.", "auth_ref": "
```


[Domain]": "label": "Consolidation Items [Domain]", "documentation": "Components, elimination, non-segment corporate-level activity and reconciling items used in consolidating a parent entity and its subsidiaries or its operating segments." } } }, "auth_ref": ["r253", "r301", "r328", "r329", "r330", "r331", "r332", "r333", "r334", "r335", "r336", "r416", "r456", "r467", "r489", "r490", "r491", "r492", "r493", "r495", "r496", "r497", "r675", "r676", "r677", "r678", "r680", "r681", "r682", "r683", "r684", "r1406", "r1407", "r1616", "r1617", "r1742", "r1743"] }, "hpe_ContractManufacturerLiabilitiesCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "ContractManufacturerLiabilitiesCurrent", "crdr": "credit", "calculation": { "http://www.hpe.com/role/BalanceSheetDetailsOtherAccruedLiabilitiesDetails": { "parentTag": "us-gaap_OtherLiabilitiesCurrent", "weight": 1.0, "order": 6.0 } }, "presentation": { "http://www.hpe.com/role/BalanceSheetDetailsOtherAccruedLiabilitiesDetails": { "lang": { "en-us": { "role": { "terseLabel": "Contract manufacturer Liabilities", "label": "Contract Manufacturer Liabilities, Current", "documentation": "Contract Manufacturer Liabilities, Current" } } }, "auth_ref": [] }, "us-gaap_ContractWithCustomerAssetAndLiabilityTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://flash.org/us-gaap/2024", "localname": "ContractWithCustomerAssetAndLiabilityTableTextBlock", "presentation": { "http://www.hpe.com/role/BalanceSheetDetailsTable": { "lang": { "en-us": { "role": { "terseLabel": "Contract Liabilities and Remaining Performance Obligations", "label": "Contract with Customer, Contract Asset, Contract Liability, and Receivable [Table Text Block]", "documentation": "Tabular disclosure of receivable, contract asset, and contract liability from contract with customer. Includes, but is not limited to, change in contract asset and contract liability." } } }, "auth_ref": ["r1751"] }, "us-gaap_ContractWithCustomerLiability": { "xbrltype": "monetaryItemType", "nsuri": "http://flash.org/us-gaap/2024", "localname": "ContractWithCustomerLiability", "crdr": "credit", "calculation": { "http://www.hpe.com/role/BalanceSheetDetailsContractsLiabilitiesDetails": { "parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": { "http://www.hpe.com/role/BalanceSheetDetailsContractsLiabilitiesDetails": { "lang": { "en-us": { "role": { "totalLabel": "Total deferred revenue", "label": "Contract with Customer, Liability, Current", "documentation": "Amount of obligation to transfer good or service to customer for which consideration has been received or is receivable." } } }, "auth_ref": ["r735", "r736", "r739"] }, "us-gaap_ContractWithCustomerLiabilityCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://flash.org/us-gaap/2024", "localname": "ContractWithCustomerLiabilityCurrent", "crdr": "credit", "calculation": { "http://www.hpe.com/role/ConsolidatedBalanceSheets": { "parentTag": "us-gaap_LiabilitiesCurrent", "weight": 1.0, "order": 5.0 } }, "presentation": { "http://www.hpe.com/role/BalanceSheetDetailsNarrativeDetails": { "http://www.hpe.com/role/ConsolidatedBalanceSheets": { "lang": { "en-us": { "role": { "terseLabel": "Deferred revenue", "label": "Contract with Customer, Liability, Current", "documentation": "Amount of obligation to transfer good or service to customer for which consideration has been received or is receivable, classified as current." } } }, "auth_ref": ["r735", "r736", "r739"] }, "hpe_ContractWithCustomerLiabilityCurrent1": { "xbrltype": "monetaryItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "ContractWithCustomerLiabilityCurrent1", "crdr": "credit", "calculation": { "http://www.hpe.com/role/BalanceSheetDetailsContractsLiabilitiesDetails": { "parentTag": "us-gaap_ContractWithCustomerLiability", "weight": 1.0, "order": 1.0 } }, "presentation": { "http://www.hpe.com/role/BalanceSheetDetailsContractsLiabilitiesDetails": { "http://www.hpe.com/role/BalanceSheetDetailsOtherNonCurrentLiabilitiesDetails": { "lang": { "en-us": { "role": { "terseLabel": "Deferred revenue", "label": "Contract With Customer, Liability, Current1", "documentation": "Contract With Customer, Liability, Current1" } } }, "auth_ref": ["r735", "r736", "r739"] }, "hpe_ContractWithCustomerLiabilityCustomerDeposits": { "xbrltype": "monetaryItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "ContractWithCustomerLiabilityCustomerDeposits", "crdr": "credit", "calculation": { "http://www.hpe.com/role/BalanceSheetDetailsContractsLiabilitiesDetails": { "parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": { "http://www.hpe.com/role/BalanceSheetDetailsContractsLiabilitiesDetails": { "lang": { "en-us": { "role": { "totalLabel": "Total customer deposits", "label": "Contract With Customer, Liability, Customer Deposits", "documentation": "Contract With Customer, Liability, Customer Deposits" } } }, "auth_ref": [] }, "hpe_ContractWithCustomerLiabilityCustomerDepositsCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "ContractWithCustomerLiabilityCustomerDepositsCurrent", "crdr": "credit", "calculation": { "http://www.hpe.com/role/BalanceSheetDetailsContractsLiabilitiesDetails": { "parentTag": "hpe_ContractWithCustomerLiabilityCustomerDeposits", "weight": 1.0, "order": 1.0 } }, "presentation": { "http://www.hpe.com/role/BalanceSheetDetailsContractsLiabilitiesDetails": { "http://www.hpe.com/role/BalanceSheetDetailsNarrativeDetails": { "http://www.hpe.com/role/BalanceSheetDetailsOtherAccruedLiabilitiesDetails": { "lang": { "en-us": { "role": { "terseLabel": "Customer deposits", "label": "Contract With Customer, Liability, Customer Deposits, Current", "documentation": "Contract With Customer, Liability, Customer Deposits, Current" } } }, "auth_ref": [] }, "hpe_ContractWithCustomerLiabilityCustomerDepositsNonCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "ContractWithCustomerLiabilityCustomerDepositsNonCurrent", "crdr": "credit", "calculation": { "http://www.hpe.com/role/BalanceSheetDetailsContractsLiabilitiesDetails": { "parentTag": "hpe_ContractWithCustomerLiabilityCustomerDeposits", "weight": 1.0, "order": 2.0 } }, "presentation": { "http://www.hpe.com/role/BalanceSheetDetailsContractsLiabilitiesDetails": { "http://www.hpe.com/role/BalanceSheetDetailsOtherNonCurrentLiabilitiesDetails": { "lang": { "en-us": { "role": { "terseLabel": "Customer deposits - non-current", "label": "Contract With Customer, Liability, Customer Deposits, Non-current", "documentation": "Contract With Customer, Liability, Customer Deposits, Non-current" } } }, "auth_ref": [] }, "us-gaap_ContractWithCustomerLiabilityNoncurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://flash.org/us-gaap/2024", "localname": "ContractWithCustomerLiabilityNoncurrent", "crdr": "credit", "calculation": { "http://www.hpe.com/role/BalanceSheetDetailsOtherNonCurrentLiabilitiesDetails": { "parentTag": "us-gaap_OtherLiabilitiesNoncurrent", "weight": 1.0, "order": 2.0 } }, "presentation": { "http://www.hpe.com/role/BalanceSheetDetailsContractsLiabilitiesDetails": { "parentTag": "us-gaap_ContractWithCustomerLiability", "weight": 1.0, "order": 2.0 } }, "presentation": { "http://www.hpe.com/role/BalanceSheetDetailsContractsLiabilitiesDetails": { "http://www.hpe.com/role/BalanceSheetDetailsOtherNonCurrentLiabilitiesDetails": { "lang": { "en-us": { "role": { "terseLabel": "Deferred revenue", "label": "Contract with Customer, Liability, Noncurrent", "documentation": "Amount of obligation to transfer good or service to customer for which consideration has been received or is receivable, classified as noncurrent." } } }, "auth_ref": ["r735", "r736", "r739"] }, "us-gaap_ContractWithCustomerLiabilityRevenueRecognized": { "xbrltype": "monetaryItemType", "nsuri": "http://flash.org/us-gaap/2024", "localname": "ContractWithCustomerLiabilityRevenueRecognized", "crdr": "credit", "presentation": { "http://www.hpe.com/role/BalanceSheetDetailsNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Unearned revenue recognized", "label": "Contract with Customer, Liability, Revenue Recognized", "documentation": "Amount of revenue recognized that was previously included in balance of obligation to transfer good or service to customer for which consideration from customer has been received or is due." } } }, "auth_ref": ["r740"] }, "hpe_ConversionBeforeSeptember12027Member": { "xbrltype": "domainItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "ConversionBeforeSeptember12027Member", "presentation": { "http://www.hpe.com/role/StockholdersEquityNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Conversion Before September 1, 2027", "label": "Conversion Before September 1, 2027 [Member]", "documentation": "Conversion Before September 1, 2027" } } }, "auth_ref": [] }, "us-gaap_ConversionOfStockByUniqueDescriptionAxis": { "xbrltype": "stringItemType", "nsuri": "http://flash.org/us-gaap/2024", "localname": "ConversionOfStockByUniqueDescriptionAxis", "presentation": { "http://www.hpe.com/role/StockholdersEquityNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Stock Conversion Description [Axis]", "label": "Stock Conversion Description [Axis]", "documentation": "Information by description of stock conversions." } } }, "auth_ref": ["r54", "r55", "r56"] }, "us-gaap_ConversionOfStockNameDomain": { "xbrltype": "domainItemType", "nsuri": "http://flash.org/us-gaap/2024", "localname": "ConversionOfStockNameDomain", "presentation": { "http://www.hpe.com/role/StockholdersEquityNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Conversion of Stock, Name [Domain]", "label": "Conversion of Stock, Name [Domain]", "documentation": "The unique name of a noncash or part noncash stock conversion." } } }, "auth_ref": ["r54", "r55", "r56"] }, "hpe_ConversionOnSeptember12027Member": { "xbrltype": "domainItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "ConversionOnSeptember12027Member", "presentation": { "http://www.hpe.com/role/StockholdersEquityNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Conversion On September 1, 2027", "label": "Conversion On September 1, 2027 [Member]", "documentation": "Conversion On September 1, 2027" } } }, "auth_ref": [] }, "us-gaap_ConvertiblePreferredDividendsNetOfTax": { "xbrltype": "monetaryItemType", "nsuri": "http://flash.org/us-gaap/2024", "localname": "ConvertiblePreferredDividendsNetOfTax", "crdr": "credit", "calculation": { "http://www.hpe.com/role/ConsolidatedStatementsOfEarnings": { "parentTag": "us-gaap_NetIncomeLossAvailableToCommonStockholdersDiluted", "weight": 1.0, "order": 1.0 } }, "presentation": { "http://www.hpe.com/role/ConsolidatedStatementsOfEarnings": { "http://www.hpe.com/role/NetEarningsPerShareDetails": { "lang": { "en-us": { "role": { "negatedLabel": "Preferred stock dividends", "label": "Plus: 7.625% Series C mandatory convertible preferred stock dividends", "documentation": "The after-tax amount of any dividends on convertible preferred stock." } } }, "auth_ref": ["r433", "r434", "r440", "r450", "r727"] }, "us-gaap_ConvertiblePreferredStockMember": { "xbrltype": "domainItemType", "nsuri": "http://flash.org/us-gaap/2024", "localname": "ConvertiblePreferredStockMember", "presentation": { "http://www.hpe.com/role/AcquisitionsandDispositionsNarrativeDetails": { "http://www.hpe.com/role/ConsolidatedBalanceSheetsParenthetical": { "http://www.hpe.com/role/ConsolidatedStatementsOfCashFlowsParenthetical": { "http://www.hpe.com/role/ConsolidatedStatementsOfStockholdersEquityParenthetical": { "http://www.hpe.com/role/NetEarningsPerShareDetails": { "http://www.hpe.com/role/StockholdersEquityNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Convertible Preferred Stock", "label": "Convertible Preferred Stock [Member]", "documentation": "Preferred stock that may be exchanged into common shares or other types of securities at the owner's option." } } }, "auth_ref": ["r717", "r718", "r722", "r1486", "r1487", "r1488", "r1489"] }, "us-gaap_CorporateAndOtherMember": { "xbrltype": "domainItemType", "nsuri": "http://flash.org/us-gaap/2024", "localname": "CorporateAndOtherMember", "presentation": { "http://www.hpe.com/role/SegmentInformationSegmentOperatingResultsfromContinuingOperationsDetails": { "lang": { "en-us": { "role": { "terseLabel": "Corporate Investments and Other", "label": "Corporate Segment and Other Operating Segment [Member]", "documentation": "Component of entity providing financial and operational oversight and administrative support considered to be operating segment and operating segment, classified as other. Excludes intersegment elimination and reconciling item." } } }, "auth_ref": ["r1658"] }, "us-gaap_CorporateDebtSecuritiesMember": { "xbrltype": "domainItemType", "nsuri": "http://flash.org/us-gaap/2024", "localname": "CorporateDebtSecuritiesMember", "presentation": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansFairValueofNonUSDefinedBenefitPlanAssetsbyAssetCategoryWithintheFairValueHierarchyDetails": { "lang": { "en-us": { "role": { "terseLabel": "Corporate", "label": "Corporate Debt Securities [Member]", "documentation": "Debt securities issued by domestic or foreign corporate business, banks and other entities with a promise of repayment." } } }, "auth_ref": ["r1430", "r1432", "r1449", "r1463", "r1480", "r1945"] }, "hpe_CorporateInvestmentsMember": { "xbrltype": "domainItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "CorporateInvestmentsMember", "presentation": { "http://www.hpe.com/role/GoodwillandIntangibleAssetsCarryingValueofGoodwillbyReportableSegmentDetails": { "http://www.hpe.com/role/GoodwillandIntangibleAssetsNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Corporate Investments and Other", "label": "Corporate Investments [Member]", "documentation": "Business reporting segment that includes HP Labs and certain business incubation projects." } } }, "auth_ref": [] }, "us-gaap_CostOfGoodsAndServicesSold": { "xbrltype": "monetaryItemType", "nsuri": "http://flash.org/us-gaap/2024", "localname": "CostOfGoodsAndServicesSold", "crdr": "debit", "calculation": { "http://www.hpe.com/role/ConsolidatedStatementsOfEarnings": { "parentTag": "us-gaap_CostsAndExpenses", "weight": 1.0, "order": 1.0 } }, "presentation": { "http://www.hpe.com/role/ConsolidatedStatementsOfEarnings": { "http://www.hpe.com/role/OverviewandSummaryofSignificantAccountingPoliciesNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Cost of products and services", "label": "Cost of Goods and Services Sold", "documentation": "The aggregate costs related to goods produced and sold and services rendered by an entity during the reporting period. This excludes costs incurred during the reporting period related to financial services rendered and other revenue generating activities." } } }, "auth_ref": ["r1779", "r180", "r1083"] }, "us-gaap_CostOfSalesMember": { "xbrltype": "domainItemType", "nsuri": "http://flash.org/us-gaap/2024", "localname": "CostOfSalesMember", "presentation": { "http://www.hpe.com/role/StockBasedCompensationConsolidatedStatementofEarningsLocationofStockBasedCompensationExpenseDetails": { "lang": { "en-us": { "role": { "verboseLabel": "Cost of sales", "label": "Cost of Sales [Member]", "documentation": "Primary financial statement caption encompassing cost of sales." } } }, "auth_ref": [] }, "us-gaap_CostOfSalesPolicyTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://flash.org/us-gaap/2024", "localname": "CostOfSalesPolicyTextBlock", "presentation": { "http://www.hpe.com/role/OverviewandSummaryofSignificantAccountingPolicies": { "lang": { "en-us": { "role": { "terseLabel": "Shipping and Handling", "label": "Cost of Goods and Service [Policy Text Block]", "documentation": "Disclosure of accounting policy for cost of product sold and service rendered." } } }, "auth_ref": ["r1602"] }, "hpe_CostOptimizationAndPrioritizationPlanMember": { "xbrltype": "domainItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "CostOptimizationAndPrioritizationPlanMember", "presentation": { "http://www.hpe.com/role/TransformationProgramsScheduleofRestructuringActivitiesDetails": { "http://www.hpe.com/role/TransformationProgramsTransformationCostsDetails": { "lang": { "en-us": { "role": { "terseLabel": "Cost Optimization and Prioritization Plan", "label": "Cost Optimization and Prioritization Plan [Member]", "documentation": "Cost Optimization and Prioritization Plan" } } }, "auth_ref": [] }, "us-gaap_CostsAndExpenses": { "xbrltype": "monetaryItemType", "nsuri": "http://flash.org/us-gaap/2024", "localname": "CostsAndExpenses", "crdr": "debit", "calculation": { "http://www.hpe.com/role/ConsolidatedStatementsOfEarnings": { "parentTag": "us-gaap_OperatingIncomeLoss", "weight": 1.0, "order": 2.0 } }, "presentation": { "http://www.hpe.com/role/ConsolidatedStatementsOfEarnings": { "http://www.hpe.com/role/OverviewandSummaryofSignificantAccountingPoliciesNarrativeDetails": { "lang": { "en-us": { "role": { "totalLabel": "Total costs and expenses", "label": "Costs and Expenses", "documentation": "Total costs of sales and operating expenses for the period." } } }, "auth_ref": ["r186"] }, "us-gaap_CostsAndExpensesAbstract": { "xbrltype": "stringItemType", "nsuri": "http://flash.org/us-gaap/2024", "localname": "CostsAndExpensesAbstract", "presentation": { "http://www.hpe.com/role/ConsolidatedStatementsOfEarnings": { "lang": { "en-us": { "role": { "terseLabel": "Costs and Expenses", "label": "Costs and Expenses [Abstract]", "documentation": "Costs Associated With Exit Or Disposal Activities Or Restructurings Policy Text Block" } } }, "auth_ref": [] }, "us-gaap_CostsAssociatedWithExitOrDisposalActivitiesOrRestructuringsPolicyTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://flash.org/us-gaap/2024", "localname": "CostsAssociatedWithExitOrDisposalActivitiesOrRestructuringsPolicyTextBlock",


```

presentation": f"http://www.hpe.com/role/OverviewandSummaryofSignificantAccountingPoliciesPolicies", "lang": f"en-us", "role": f"verboseLabel": "Restructuring",
"label": "Costs Associated with Exit or Disposal Activities or Restructurings Policy [Policy Text Block]", "documentation": "Disclosure of accounting policy for recognizing and reporting costs associated with exiting, disposing of, and restructuring certain operations." }, "auth_ref": f"r41", "r204", "r205" },
"hpe CounterpartyCollateralForBorrowedSecurities": f"xbrltype": "monetaryItemType", "nsuri": "http://www.hpe.com/20241031", "localname":
"CounterpartyCollateralForBorrowedSecurities", "crdr": "debit", "presentation": f"http://www.hpe.com/role/FinancialInstrumentsOffsettingAssetsandLiabilitiesDetails",
"lang": f"en-us", "role": f"terseLabel": "Counterparty collateral", "label": "Counterparty Collateral For Borrowed Securities", "documentation": "Counterparty Collateral For Borrowed Securities" }, "auth_ref": f"1", "srt CounterpartyNameAxis": f"xbrltype": "stringItemType", "nsuri": "http://fasb.org/srt/2024", "localname":
"CounterpartyNameAxis", "presentation": f"http://www.hpe.com/role/EquityInterestsNarrativeDetails", "lang": f"en-us", "role": f"terseLabel": "Counterparty Name [Axis]",
"label": "Counterparty Name [Axis]", "documentation": "Information by name of counterparty. A counterparty is the other party that participates in a financial transaction. Examples include, but not limited to, the name of the financial institution." }, "auth_ref": f"r337", "r338", "r413", "r414", "r690", "r720", "r1042", "r1064", "r1127",
"r1392", "r1393" }, "us-gaap CreditFacilityAxis": f"xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CreditFacilityAxis", "presentation": f
"http://www.hpe.com/role/BorrowingsNarrativeDetails", "lang": f"en-us", "role": f"terseLabel": "Credit Facility [Axis]", "label": "Credit Facility [Axis]", "documentation":
"Information by type of credit facility. Credit facilities provide capital to borrowers without the need to structure a loan for each borrowing." }, "auth_ref": f"r673",
"r1739" }, "us-gaap CreditFacilityDomain": f"xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CreditFacilityDomain", "presentation": f
"http://www.hpe.com/role/BorrowingsNarrativeDetails", "lang": f"en-us", "role": f"terseLabel": "Credit Facility [Domain]", "label": "Credit Facility [Domain]",
"documentation": "Type of credit facility. Credit facilities provide capital to borrowers without the need to structure a loan for each borrowing." }, "auth_ref": f"r673",
"r1739", "r1740" }, "us-gaap CreditLossFinancialInstrumentPolicyTextBlock": f"xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname":
"CreditLossFinancialInstrumentPolicyTextBlock", "presentation": f"http://www.hpe.com/role/OverviewandSummaryofSignificantAccountingPoliciesPolicies", "lang": f"en-
us", "role": f"terseLabel": "Accounts Receivable", "label": "Credit Loss, Financial Instrument [Policy Text Block]", "documentation": "Disclosure of accounting policy for
credit loss on financial instrument measured at amortized cost basis, net investment in lease, off-balance sheet credit exposure, and available-for-sale debt security. Includes,
but is not limited to, methodology used to estimate allowance for credit loss, how writeoff of uncollectible amount is recognized, and determination of past due status and
nonaccrual status." }, "auth_ref": f"r552", "r553", "r554", "r556", "r557", "r565", "r569", "r570", "r571", "r572", "r576", "r577", "r578", "r579", "r581", "r582", "r583",
"r585" }, "us-gaap CurrentFederalTaxExpenseBenefit": f"xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname":
"CurrentFederalTaxExpenseBenefit", "crdr": "debit", "calculation": f"http://www.hpe.com/role/TaxesonEarningsProvisionBenefitorTaxesDetails": f"parentTag": "us-
gaap IncomeTaxExpenseBenefit", "weight": 1.0, "order": 2.0 }, "presentation": f"http://www.hpe.com/role/TaxesonEarningsProvisionBenefitorTaxesDetails": f"lang": f"en-
us", "role": f"terseLabel": "Current", "label": "Current Federal Tax Expense (Benefit)", "documentation": "Amount of current federal tax expense (benefit) attributable to
income (loss) from continuing operations. Includes, but is not limited to, current national tax expense (benefit) for non-US (United States of America) jurisdiction." }, "
auth_ref": f"r1601", "r1643", "r1855" }, "dei CurrentFiscalYearEndDate": f"xbrltype": "gMonthDayItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname":
"CurrentFiscalYearEndDate", "presentation": f"http://www.hpe.com/role/CoverPage", "lang": f"en-us", "role": f"terseLabel": "Current Fiscal Year End Date", "label":
"Current Fiscal Year End Date", "documentation": "End date of current fiscal year in the format -MM-DD- ", "auth_ref": f"1", "us-gaap CurrentForeignTaxExpenseBenefit":
f"xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CurrentForeignTaxExpenseBenefit", "crdr": "debit", "calculation": f
"http://www.hpe.com/role/TaxesonEarningsProvisionBenefitorTaxesDetails": f"parentTag": "us-gaap IncomeTaxExpenseBenefit", "weight": 1.0, "order": 3.0 },
"presentation": f"http://www.hpe.com/role/TaxesonEarningsProvisionBenefitorTaxesDetails": f"lang": f"en-us", "role": f"terseLabel": "Current", "label": "Current Foreign
Tax Expense (Benefit)", "documentation": "Amount of current foreign income tax expense (benefit) pertaining to income (loss) from continuing operations." }, "auth_ref": f
"r1601", "r1643" }, "us-gaap CurrentStateAndLocalTaxExpenseBenefit": f"xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname":
"CurrentStateAndLocalTaxExpenseBenefit", "crdr": "debit", "calculation": f"http://www.hpe.com/role/TaxesonEarningsProvisionBenefitorTaxesDetails": f"parentTag": "us-
gaap IncomeTaxExpenseBenefit", "weight": 1.0, "order": 4.0 }, "presentation": f"http://www.hpe.com/role/TaxesonEarningsProvisionBenefitorTaxesDetails": f"lang": f"en-
us", "role": f"terseLabel": "Current", "label": "Current State and Local Tax Expense (Benefit)", "documentation": "Amount of current state and local tax expense (benefit)
attributable to income (loss) from continuing operations. Includes, but is not limited to, current regional, territorial, and provincial tax expense (benefit) for non-US (United
States of America) jurisdiction." }, "auth_ref": f"r1601", "r1643", "r1855" }, "us-gaap CustomerConcentrationRiskMember": f"xbrltype": "domainItemType", "nsuri":
"http://fasb.org/us-gaap/2024", "localname": "CustomerConcentrationRiskMember", "presentation": f
"http://www.hpe.com/role/OverviewandSummaryofSignificantAccountingPoliciesNarrativeDetails", "http://www.hpe.com/role/SegmentInformationNarrativeDetail": f"lang": f
"en-us", "role": f"terseLabel": "Major Customers", "label": "Customer Concentration Risk [Member]", "documentation": "Reflects the percentage that revenues in the period
from one or more significant customers is to net revenues, as defined by the entity, such as total net revenues, product line revenues, segment revenues. The risk is the
materially adverse effects of loss of a significant customer." }, "auth_ref": f"r196", "r503" }, "hpe CustomerContractsCustomerListsAndDistributionAgreementsMember":
f"xbrltype": "domainItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "CustomerContractsCustomerListsAndDistributionAgreementsMember",
"presentation": f"http://www.hpe.com/role/GoodwillandIntangibleAssetsIntangibleAssetsDetails": f"lang": f"en-us", "role": f"terseLabel": "Customer contracts, customer
lists and distribution agreements", "label": "Customer Contracts Customer Lists And Distribution Agreements [Member]", "documentation": "Assets acquired in a business
transaction which include a) customer contracts, b) customer lists with specific information about the customers such as their order history and demographic information,
and c) legal rights, generally of a limited duration, to distribute a product within specific geographic areas or supply channels." }, "auth_ref": f"1",
"hpe CustomerOneMember": f"xbrltype": "domainItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "CustomerOneMember", "presentation": f
"http://www.hpe.com/role/SegmentInformationNarrativeDetail": f"lang": f"en-us", "role": f"terseLabel": "Customer One", "label": "Customer One [Member]",
"documentation": "Customer One" }, "auth_ref": f"1", "hpe CustomerTwoMember": f"xbrltype": "domainItemType", "nsuri": "http://www.hpe.com/20241031", "localname":
"CustomerTwoMember", "presentation": f"http://www.hpe.com/role/SegmentInformationNarrativeDetail": f"lang": f"en-us", "role": f"terseLabel": "Customer Two", "label":
"Customer Two [Member]", "documentation": "Customer Two" }, "auth_ref": f"1", "country DE": f"xbrltype": "domainItemType", "nsuri": "http://xbrl.sec.gov/country/2024",
"localname": "DE", "presentation": f
"http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansFairValueofNonUSDefinedBenefitPlanAssetsbyAssetCategoryWithintheFairValueHierarchyDetails": f"
lang": f"en-us", "role": f"terseLabel": "GERMANY", "label": "GERMANY" }, "auth_ref": f"1", "us-gaap DebtAndCapitalLeaseObligations": f"xbrltype":
"monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DebtAndCapitalLeaseObligations", "crdr": "credit", "presentation": f
"http://www.hpe.com/role/FairValueNarrativeDetails": f"lang": f"en-us", "role": f"terseLabel": "Carrying value, short- and long-term debt", "label": "Debt and Lease
Obligation", "documentation": "Amount of short-term and long-term debt and lease obligation." }, "auth_ref": f"r238", "r243" }, "us-gaap DebtCurrent": f"xbrltype":
"monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DebtCurrent", "crdr": "credit", "calculation": f
"http://www.hpe.com/role/ConsolidatedBalanceSheets": f"parentTag": "us-gaap LiabilitiesCurrent", "weight": 1.0, "order": 1.0 }, "presentation": f
"http://www.hpe.com/role/ConsolidatedBalanceSheets": f"lang": f"en-us", "role": f"terseLabel": "Notes payable and short-term borrowings", "label": "Debt, Current",
"documentation": "Amount of debt and lease obligation, classified as current." }, "auth_ref": f"r358" }, "hpe DebtCurrentMember": f"xbrltype": "domainItemType",
"nsuri": "http://www.hpe.com/20241031", "localname": "DebtCurrentMember", "presentation": f"http://www.hpe.com/role/BalanceSheetDetailsNarrativeDetails":
"http://www.hpe.com/role/FinancialInstrumentsAmountsRecordedIntheBalanceSheetsDetails": f"lang": f"en-us", "role": f"terseLabel": "Notes payable and short-term
borrowings", "label": "Debt, Current [Member]", "documentation": "Debt, Current" }, "auth_ref": f"1", "us-gaap DebtDisclosureAbstract": f"xbrltype": "stringItemType",
"nsuri": "http://fasb.org/us-gaap/2024", "localname": "DebtDisclosureAbstract", "lang": f"en-us", "role": f"terseLabel": "Debt Disclosure [Abstract]", "label": "Debt
Disclosure [Abstract]" }, "auth_ref": f"1", "us-gaap DebtDisclosureTextBlock": f"xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname":
"DebtDisclosureTextBlock", "presentation": f"http://www.hpe.com/role/Borrowings": f"lang": f"en-us", "role": f"terseLabel": "Borrowings", "label": "Debt Disclosure [Text
Block]", "documentation": "The entire disclosure for information about short-term and long-term debt arrangements, which includes amounts of borrowings under each line
of credit, note payable, commercial paper issue, bonds indenture, debenture issue, own-share lending arrangements and any other contractual agreement to repay funds, and
about the underlying arrangements, rationale for a classification as long-term, including repayment terms, interest rates, collateral provided, restrictions on use of assets and
activities, whether or not in compliance with debt covenants, and other matters important to users of the financial statements, such as the effects of refinancing and
noncompliance with debt covenants." }, "auth_ref": f"r208", "r408", "r627", "r628", "r629", "r630", "r631", "r672", "r673", "r686", "r692", "r693", "r694", "r695", "r696",
"r697", "r702", "r709", "r710", "r712", "r1008" }, "us-gaap DebtInstrumentAxis": f"xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname":
"DebtInstrumentAxis", "presentation": f"http://www.hpe.com/role/BorrowingsLongTermDebtDetails": f"http://www.hpe.com/role/BorrowingsNarrativeDetails": f"lang": f"en-
us", "role": f"terseLabel": "Debt Instrument [Axis]", "label": "Debt Instrument [Axis]", "documentation": "Information by type of debt instrument, including, but not limited
to, draws against credit facilities." }, "auth_ref": f"r42", "r149", "r150", "r238", "r243", "r416", "r687", "r688", "r689", "r690", "r691", "r693", "r698", "r699", "r700",
"r701", "r703", "r704", "r705", "r706", "r707", "r708", "r1421", "r1422", "r1423", "r1424", "r1425", "r1460", "r
```

```
"r768": "r688", "r689": "r690", "r691": "r693", "r699": "r700", "r701": "r703", "r704": "r705", "r706": "r707", "r708": "r1421", "r1422": "r1423", "r1424": "r1425",  
"r1460": "r1641", "r1721": "r1722", "r1723": "r1889", "r1891": "r1891" }, {"xbrlType": "DebtInstrumentNumberofFranchises", "nsuri": "http://www.hpe.com/role/BorrowingsLongTermDebtDetails", "lang": {  
"en-us": { "role": { "terseLabel": "Number of franchises", "label": "Debt Instrument - Number of Franchises", "documentation": "Debt Instrument - Number of Franchises" } } },  
"auth ref": [ ] }, {"xbrlType": "stringItem", "nsuri": "http://fasb.org/us-gaap/2024", "localName": "DebtInstrumentTable", "presentation": {  
"http://www.hpe.com/role/BorrowingsLongTermDebtDetails", "lang": { "en-us": { "role": { "terseLabel": "Schedule of Long-term Debt Instruments [Table]", "label": "Schedule  
of Long-Term Debt Instruments [Table]", "documentation": "Disclosure of information about long-term debt instrument or arrangement." } } }, "auth ref": [ "r142", "r80",  
"r82", "r142", "r211", "r212", "r416", "r687", "r688", "r689", "r690", "r691", "r693", "r698", "r699", "r700", "r701", "r703", "r704", "r705", "r706", "r707", "r708", "r711",  
"r1421", "r1422", "r1423", "r1424", "r1425", "r1460", "r1641", "r1889", "r1891" ] }, {"xbrlType": "durationItemType", "nsuri":  
"http://fasb.org/us-gaap/2024", "localName": "DebtInstrumentTerm", "presentation": { "http://www.hpe.com/role/BorrowingsNarrativeDetails", "lang": { "en-us": { "role": {  
"terseLabel": "Term of credit facility", "label": "Debt Instrument - Term", "documentation": "Period of time between issuance and maturity of debt instrument, in  
PnYnMnDThFnMns format, for example, P1Y5M13D", represents the reported fact of one year, five months, and thirteen days." } } }, "auth ref": [ ] }, {"us-  
gaap": "UnamortizedDiscount", "xbrlType": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localName": "DebtInstrumentUnamortizedDiscount",  
"crdr": "debit", "presentation": { "http://www.hpe.com/role/BorrowingsNarrativeDetails", "lang": { "en-us": { "role": { "terseLabel": "Discount on debt issuance", "label": "Debt  
Instrument - Unamortized Discount", "documentation": "Amount, after accumulated amortization, of debt discount." } } }, "auth ref": [ "r1747", "r1888", "r1889", "r1891" ] },  
"us-gaap": "DebtLongtermAndShorttermCombinedAmount", "xbrlType": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localName":  
"DebtLongtermAndShorttermCombinedAmount", "crdr": "credit", "presentation": { "http://www.hpe.com/role/BorrowingsNarrativeDetails", "lang": { "en-us": { "role": {  
"terseLabel": "Debt, long-term and short-term combined amount", "label": "Debt, Long-Term and Short-Term Combined Amount", "documentation": "Represents the  
aggregate of total long-term debt, including current maturities and short-term debt." } } }, "auth ref": [ ] }, {"us-  
gaap": "DebtSecuritiesAvailableForSaleAccumulatedGrossUnrealizedGainLossBeforeTax", "xbrlType": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024",  
"localName": "DebtSecuritiesAvailableForSaleAccumulatedGrossUnrealizedGainLossBeforeTax", "crdr": "credit", "calculation": {  
"http://www.hpe.com/role/FinancialInstrumentsCashEquivalentsandAvailableforSaleInvestmentsDetails", "parentTag":  
"hpe_CashEquivalentsAndAvailableForSaleSecuritiesCostBasis", "weight": -1.0, "order": 2.0 },  
"http://www.hpe.com/role/FinancialInstrumentsCashEquivalentsandAvailableforSaleInvestmentsDetails", "parentTag": "us-  
gaap_AvailableForSaleDebtSecuritiesAmortizedCostBasis", "weight": -1.0, "order": 2.0 }, "presentation": {  
"http://www.hpe.com/role/FinancialInstrumentsCashEquivalentsandAvailableforSaleInvestmentsDetails", "lang": { "en-us": { "role": { "terseLabel": "Gross Unrealized  
Gains/(Losses)", "label": "Debt Securities, Available for Sale, Accumulated Gross Unrealized Gain (Loss), before Tax", "documentation": "Amount, before tax, of unrealized gain  
(loss) in accumulated other comprehensive income (AOCI) on investment in debt security measured at fair value with change in fair value recognized in other comprehensive  
income (available for sale)." } } }, "auth ref": [ "r1675", "r1676" ] }, {"us-gaap": "DebtWeightedAverageInterestRate", "xbrlType": "percentItemType", "nsuri":  
"http://fasb.org/us-gaap/2024", "localName": "DebtWeightedAverageInterestRate", "presentation": { "http://www.hpe.com/role/BorrowingsLongTermDebtDetails",  
"http://www.hpe.com/role/BorrowingsNarrativeDetails", "http://www.hpe.com/role/BorrowingsNotesPayableandShortTermBorrowingsDetails", "lang": { "en-us": { "role": {  
"terseLabel": "Current portion of long-term debt, weighted average interest rate (as a percent)", "verboseLabel": "Weighted average interest rate (as a percent)", "label":  
"Debt, Weighted Average Interest Rate", "documentation": "Weighted average interest rate of debt outstanding." } } }, "auth ref": [ ] }, {"us-  
gaap": "DecreaseInUnrecognizedTaxBenefitsIsReasonablyPossible", "xbrlType": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localName":  
"DecreaseInUnrecognizedTaxBenefitsIsReasonablyPossible", "crdr": "debit", "presentation": { "http://www.hpe.com/role/TaxesonEarningsNarrativeDetails", "lang": { "en-us": {  
"role": { "terseLabel": "Decrease in Unrecognized Tax Benefits is Reasonably Possible", "label": "Decrease in Unrecognized Tax Benefits is Reasonably Possible",  
"documentation": "Amount of decrease reasonably possible in the next twelve months for the unrecognized tax benefit." } } }, "auth ref": [ "r273" ] }, {"us-  
gaap": "DeferredCosts", "xbrlType": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localName": "DeferredCosts", "crdr": "debit", "calculation": {  
"http://www.hpe.com/role/BalanceSheetDetailsLongTermFinancingReceivablesandOtherAssetsDetails", "parentTag": "us-gaap_OtherAssetsNoncurrent", "weight": 1.0,  
"order": 2.0 }, "presentation": { "http://www.hpe.com/role/BalanceSheetDetailsLongTermFinancingReceivablesandOtherAssetsDetails", "lang": { "en-us": { "role": {  
"terseLabel": "Prepaid pension", "label": "Deferred Costs, Noncurrent", "documentation": "Amount of deferred cost, excluding capitalized cost related to contract with  
customer; classified as noncurrent." } } }, "auth ref": [ "r235", "r1624" ] }, {"us-gaap": "DeferredFederalIncomeTaxExpenseBenefit", "xbrlType": "monetaryItemType", "nsuri":  
"http://fasb.org/us-gaap/2024", "localName": "DeferredFederalIncomeTaxExpenseBenefit", "crdr": "debit", "calculation": {  
"http://www.hpe.com/role/TaxesonEarningsProvisionBenefitorTaxesDetails", "parentTag": "us-gaap_IncomeTaxExpenseBenefit", "weight": 1.0, "order": 1.0 },  
"presentation": { "http://www.hpe.com/role/TaxesonEarningsProvisionBenefitorTaxesDetails", "lang": { "en-us": { "role": { "terseLabel": "Deferred", "label": "Deferred  
Federal Income Tax Expense (Benefit)", "documentation": "Amount of deferred federal tax expense (benefit) attributable to income (loss) from continuing operations.  
Includes, but is not limited to, deferred national tax expense (benefit) for non-US (United States of America) jurisdiction." } } }, "auth ref": [ "r1643", "r1854", "r1855" ] },  
"us-gaap": "DeferredForeignIncomeTaxExpenseBenefit", "xbrlType": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localName":  
"DeferredForeignIncomeTaxExpenseBenefit", "crdr": "debit", "calculation": { "http://www.hpe.com/role/TaxesonEarningsProvisionBenefitorTaxesDetails", "parentTag": "us-  
gaap_IncomeTaxExpenseBenefit", "weight": 1.0, "order": 6.0 }, "presentation": { "http://www.hpe.com/role/TaxesonEarningsProvisionBenefitorTaxesDetails", "lang": { "en-  
us": { "role": { "terseLabel": "Deferred", "label": "Deferred Foreign Income Tax Expense (Benefit)", "documentation": "Amount of deferred foreign income tax expense (benefit)  
pertaining to income (loss) from continuing operations." } } }, "auth ref": [ "r1643", "r1854" ] }, {"us-  
gaap": "DeferredGainLossOnDiscontinuationOfInterestRateFairValueHedge", "xbrlType": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localName":  
"DeferredGainLossOnDiscontinuationOfInterestRateFairValueHedge", "crdr": "debit", "calculation": { "http://www.hpe.com/role/BorrowingsLongTermDebtDetails", "parentTag": "us-  
gaap_LongTermDebtAndCapitalLeaseObligations", "weight": -1.0, "order": 6.0 }, "presentation": {  
"http://www.hpe.com/role/BorrowingsLongTermDebtDetails", "http://www.hpe.com/role/BorrowingsNarrativeDetails", "lang": { "en-us": { "role": { "negatedTerseLabel": "Fair  
value adjustment related to hedged debt", "terseLabel": "Fair value adjustment related to hedged debt", "label": "Deferred Gain (Loss) on Discontinuation of Interest Rate Fair  
Value Hedge", "documentation": "Amount as of the balance sheet date of the unamortized adjustment to the carrying value of an interest-bearing hedged item made under an  
effective interest rate fair value hedge that is amortized upon discontinuation of the interest rate fair value hedge." } } }, "auth ref": [ "r1867" ] }, {"us-  
gaap": "DeferredIncomeTaxAssetsNet", "xbrlType": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localName": "DeferredIncomeTaxAssetsNet", "crdr": "debit",  
"calculation": { "http://www.hpe.com/role/TaxesonEarningsDeferredTaxAssetsandLiabilitiesincludedinCondensedConsolidatedBalanceSheetsDetails", "parentTag": "us-  
gaap_DeferredTaxAssetsLiabilitiesNet", "weight": 1.0, "order": 1.0 }, "http://www.hpe.com/role/BalanceSheetDetailsLongTermFinancingReceivablesandOtherAssetsDetails", "parentTag": "us-gaap_OtherAssetsNoncurrent", "weight": 1.0, "order": 1.0 }, "presentation": {  
"http://www.hpe.com/role/BalanceSheetDetailsLongTermFinancingReceivablesandOtherAssetsDetails",  
"http://www.hpe.com/role/TaxesonEarningsDeferredTaxAssetsandLiabilitiesincludedinCondensedConsolidatedBalanceSheetsDetails", "lang": { "en-us": { "role": {  
"terseLabel": "Deferred tax assets", "label": "Deferred Income Tax Assets, Net", "documentation": "Amount, after allocation of valuation allowances and deferred tax liability,  
of deferred tax asset attributable to deductible differences and carryforwards, with jurisdictional netting." } } }, "auth ref": [ "r884", "r885" ] }, {"us-  
gaap": "DeferredIncomeTaxExpenseBenefit", "xbrlType": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localName": "DeferredIncomeTaxExpenseBenefit",  
"crdr": "debit", "calculation": { "http://www.hpe.com/role/ConsolidatedStatementsofCashFlows", "parentTag": "us-gaap_NetCashProvidedByUsedInOperatingActivities",  
"weight": 1.0, "order": 7.0 }, "presentation": { "http://www.hpe.com/role/ConsolidatedStatementsofCashFlows", "lang": { "en-us": { "role": { "terseLabel": "Deferred taxes on  
earnings", "label": "Deferred Income Tax Expense (Benefit)", "documentation": "Amount of deferred income tax expense (benefit) pertaining to income (loss) from continuing  
operations." } } }, "auth ref": [ "r17", "r293", "r1643" ] }, {"us-gaap": "DeferredIncomeTaxLiabilities", "xbrlType": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024",  
"localName": "DeferredIncomeTaxLiabilities", "crdr": "credit", "calculation": {  
"http://www.hpe.com/role/TaxesonEarningsComponentsofDeferredTaxAssetsandDeferredTaxLiabilitiesDetails", "parentTag": "us-gaap_DeferredTaxAssetsLiabilitiesNet",  
"weight": -1.0, "order": 2.0 }, "presentation": { "http://www.hpe.com/role/TaxesonEarningsComponentsofDeferredTaxAssetsandDeferredTaxLiabilitiesDetails", "lang": { "en-  
us": { "role": { "negatedTotalLabel": "Total deferred tax liabilities", "label": "Deferred Tax Liabilities, Gross", "documentation": "Amount of deferred tax liability attributable to  
taxable temporary differences." } } }, "auth ref": [ "r156", "r157", "r240", "r912" ] }, {"us-gaap": "DeferredIncomeTaxAssetsLiabilitiesNet", "xbrlType": "monetaryItemType", "nsuri":  
"http://fasb.org/us-gaap/2024", "localName": "DeferredIncomeTaxAssetsLiabilitiesNet", "crdr": "credit", "calculation": {  
"http://www.hpe.com/role/TaxesonEarningsDeferredTaxAssetsandLiabilitiesincludedinCondensedConsolidatedBalanceSheetsDetails", "parentTag": "us-  
gaap_DeferredTaxAssetsLiabilitiesNet", "weight": -1.0, "order": 
```

differences and carryforwards." } } }, "auth_ref": "r1913" } }, "us-gaap_DeferredTaxAssetsInProcessResearchAndDevelopment": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DeferredTaxAssetsInProcessResearchAndDevelopment", "crdr": "debit", "calculation": { "http://www.hpe.com/role/TaxesonEarningsComponentsofDeferredTaxAssetsandDeferredTaxLiabilitiesDetails": { "parentTag": "us-gaap_DeferredTaxAssetsGross", "weight": 1.0, "order": 1.0 } }, "presentation": { "http://www.hpe.com/role/TaxesonEarningsComponentsofDeferredTaxAssetsandDeferredTaxLiabilitiesDetails": { "lang": { "en-us": { "role": { "terseLabel": "Capitalized R&D", "label": "Deferred Tax Asset, In-Process Research and Development", "documentation": "Amount, before allocation of valuation allowance, of deferred tax asset attributable to deductible temporary difference from in-process research and development cost acquired in business combination or from joint venture formation or both." } } }, "auth_ref": "r1852" } }, "hpe_DeferredTaxAssetsIntercompanyRoyaltyPrepayments": { "xbrltype": "monetaryItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "DeferredTaxAssetsIntercompanyRoyaltyPrepayments", "crdr": "debit", "calculation": { "http://www.hpe.com/role/TaxesonEarningsComponentsofDeferredTaxAssetsandDeferredTaxLiabilitiesDetails": { "parentTag": "us-gaap_DeferredTaxAssetsGross", "weight": 1.0, "order": 3.0 } }, "presentation": { "http://www.hpe.com/role/TaxesonEarningsComponentsofDeferredTaxAssetsandDeferredTaxLiabilitiesDetails": { "lang": { "en-us": { "role": { "terseLabel": "Intercompany prepayments", "label": "Deferred Tax Assets Intercompany Royalty Prepayments", "documentation": "Deferred Tax Assets Intercompany Royalty Prepayments" } } }, "auth_ref": { "us-gaap_DeferredTaxAssetsInventory": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DeferredTaxAssetsInventory", "crdr": "debit", "calculation": { "http://www.hpe.com/role/TaxesonEarningsComponentsofDeferredTaxAssetsandDeferredTaxLiabilitiesDetails": { "parentTag": "us-gaap_DeferredTaxAssetsGross", "weight": 1.0, "order": 2.0 } }, "presentation": { "http://www.hpe.com/role/TaxesonEarningsComponentsofDeferredTaxAssetsandDeferredTaxLiabilitiesDetails": { "lang": { "en-us": { "role": { "terseLabel": "Inventory valuation", "label": "Deferred Tax Assets, Inventory", "documentation": "Amount before allocation of valuation allowances of deferred tax asset attributable to deductible temporary differences from inventory." } } }, "auth_ref": "r1852" } }, "hpe_DeferredTaxAssetsLeasesRightOfUseAssets": { "xbrltype": "monetaryItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "DeferredTaxAssetsLeasesRightOfUseAssets", "crdr": "debit", "calculation": { "http://www.hpe.com/role/TaxesonEarningsComponentsofDeferredTaxAssetsandDeferredTaxLiabilitiesDetails": { "parentTag": "us-gaap_DeferredTaxAssetsGross", "weight": 1.0, "order": 10.0 } }, "presentation": { "http://www.hpe.com/role/TaxesonEarningsComponentsofDeferredTaxAssetsandDeferredTaxLiabilitiesDetails": { "lang": { "en-us": { "role": { "terseLabel": "Lease liabilities", "label": "Deferred Tax Assets, Leases Right-of-Use Assets", "documentation": "Deferred Tax Assets, Leases Right-of-Use Assets" } } }, "auth_ref": { "us-gaap_DeferredTaxAssetsLiabilitiesNet": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DeferredTaxAssetsLiabilitiesNet", "crdr": "debit", "calculation": { "http://www.hpe.com/role/TaxesonEarningsComponentsofDeferredTaxAssetsandDeferredTaxLiabilitiesDetails": { "parentTag": null, "weight": null, "order": null, "root": true } }, "http://www.hpe.com/role/TaxesonEarningsDeferredTaxAssetsandLiabilitiesincludedinCondensedConsolidatedBalanceSheetsDetails": { "parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": { "http://www.hpe.com/role/TaxesonEarningsComponentsofDeferredTaxAssetsandDeferredTaxLiabilitiesDetails": { "lang": { "en-us": { "role": { "totalLabel": "Deferred tax assets net of deferred tax liabilities", "label": "Deferred Tax Assets, Net", "documentation": "Amount, after allocation of valuation allowances and deferred tax liability, of deferred tax asset attributable to deductible differences and carryforwards, without jurisdictional netting." } } }, "auth_ref": "r1849" } }, "us-gaap_DeferredTaxAssetsNet": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DeferredTaxAssetsNet", "crdr": "debit", "calculation": { "http://www.hpe.com/role/TaxesonEarningsComponentsofDeferredTaxAssetsandDeferredTaxLiabilitiesDetails": { "parentTag": "us-gaap_DeferredTaxAssetsLiabilitiesNet", "weight": 1.0, "order": 1.0 } }, "presentation": { "http://www.hpe.com/role/TaxesonEarningsComponentsofDeferredTaxAssetsandDeferredTaxLiabilitiesDetails": { "lang": { "en-us": { "role": { "totalLabel": "Total deferred tax assets net of valuation allowance", "label": "Deferred Tax Assets, Net of Valuation Allowance", "documentation": "Amount after allocation of valuation allowances of deferred tax asset attributable to deductible temporary differences and carryforwards." } } }, "auth_ref": "r1849" } }, "us-gaap_DeferredTaxAssetsOperatingLossCarryforwards": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DeferredTaxAssetsOperatingLossCarryforwards", "crdr": "debit", "calculation": { "http://www.hpe.com/role/TaxesonEarningsComponentsofDeferredTaxAssetsandDeferredTaxLiabilitiesDetails": { "parentTag": "us-gaap_DeferredTaxAssetsGross", "weight": 1.0, "order": 1.0 } }, "presentation": { "http://www.hpe.com/role/TaxesonEarningsComponentsofDeferredTaxAssetsandDeferredTaxLiabilitiesDetails": { "lang": { "en-us": { "role": { "terseLabel": "Loss and credit carryforwards(1)", "label": "Deferred Tax Assets, Operating Loss Carryforwards", "documentation": "Amount before allocation of valuation allowances of deferred tax asset attributable to deductible operating loss carryforwards." } } }, "auth_ref": "r1852" } }, "us-gaap_DeferredTaxAssetsOther": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DeferredTaxAssetsOther", "crdr": "debit", "calculation": { "http://www.hpe.com/role/TaxesonEarningsComponentsofDeferredTaxAssetsandDeferredTaxLiabilitiesDetails": { "parentTag": "us-gaap_DeferredTaxAssetsGross", "weight": 1.0, "order": 9.0 } }, "presentation": { "http://www.hpe.com/role/TaxesonEarningsComponentsofDeferredTaxAssetsandDeferredTaxLiabilitiesDetails": { "lang": { "en-us": { "role": { "terseLabel": "Other", "label": "Deferred Tax Assets, Other", "documentation": "Amount, before allocation of valuation allowance, of deferred tax asset attributable to deductible temporary differences, classified as other." } } }, "auth_ref": "r1852" } }, "us-gaap_DeferredTaxAssetsTaxCreditCarryforwards": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DeferredTaxAssetsTaxCreditCarryforwards", "crdr": "debit", "calculation": { "http://www.hpe.com/role/TaxesonEarningsScheduleofTaxCreditCarryforwardsandAllowancesDetails": { "parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": { "http://www.hpe.com/role/TaxesonEarningsScheduleofTaxCreditCarryforwardsandAllowancesDetails": { "lang": { "en-us": { "role": { "totalLabel": "Balance at end of year", "label": "Deferred Tax Assets, Tax Credit Carryforwards", "documentation": "Amount, before allocation of a valuation allowances, of deferred tax assets attributable to deductible tax credit carryforwards including, but not limited to, research, foreign, general business, alternative minimum tax, and other deductible tax credit carryforwards." } } }, "auth_ref": "r1852" } }, "us-gaap_DeferredTaxAssetsTaxCreditCarryforwardsAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DeferredTaxAssetsTaxCreditCarryforwardsAbstract", "presentation": { "http://www.hpe.com/role/TaxesonEarningsScheduleofTaxCreditCarryforwardsandAllowancesDetails": { "lang": { "en-us": { "role": { "terseLabel": "Carryforward", "label": "Deferred Tax Assets, Tax Credit Carryforwards [Abstract]" } } }, "auth_ref": { "us-gaap_DeferredTaxAssetsTaxCreditCarryforwardsForeign": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DeferredTaxAssetsTaxCreditCarryforwardsForeign", "crdr": "debit", "calculation": { "http://www.hpe.com/role/TaxesonEarningsScheduleofTaxCreditCarryforwardsandAllowancesDetails": { "parentTag": "us-gaap_DeferredTaxAssetsTaxCreditCarryforwards", "weight": 1.0, "order": 1.0 } }, "presentation": { "http://www.hpe.com/role/TaxesonEarningsScheduleofTaxCreditCarryforwardsandAllowancesDetails": { "lang": { "en-us": { "role": { "terseLabel": "U.S. foreign tax credits", "label": "Deferred Tax Assets, Tax Credit Carryforwards, Foreign", "documentation": "Amount before allocation of valuation allowances of deferred tax asset attributable to deductible foreign tax credit carryforwards." } } }, "auth_ref": "r1852" } }, "us-gaap_DeferredTaxAssetsTaxCreditCarryforwardsResearch": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DeferredTaxAssetsTaxCreditCarryforwardsResearch", "crdr": "debit", "calculation": { "http://www.hpe.com/role/TaxesonEarningsScheduleofTaxCreditCarryforwardsandAllowancesDetails": { "parentTag": "us-gaap_DeferredTaxAssetsTaxCreditCarryforwards", "weight": 1.0, "order": 2.0 } }, "presentation": { "http://www.hpe.com/role/TaxesonEarningsScheduleofTaxCreditCarryforwardsandAllowancesDetails": { "lang": { "en-us": { "role": { "terseLabel": "U.S. research and development and other credits", "label": "Deferred Tax Assets, Tax Credit Carryforwards, Research", "documentation": "Amount before allocation of valuation allowances of deferred tax asset attributable to deductible research tax credit carryforwards." } } }, "auth_ref": "r1852" } }, "hpe_DeferredTaxAssetsTaxCreditCarryforwardsResearchValuationAllowance": { "xbrltype": "monetaryItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "DeferredTaxAssetsTaxCreditCarryforwardsResearchValuationAllowance", "crdr": "credit", "calculation": { "http://www.hpe.com/role/TaxesonEarningsScheduleofTaxCreditCarryforwardsandAllowancesDetails": { "parentTag": "us-gaap_TaxCreditCarryforwardValuationAllowance", "weight": 1.0, "order": 2.0 } }, "presentation": { "http://www.hpe.com/role/TaxesonEarningsScheduleofTaxCreditCarryforwardsandAllowancesDetails": { "lang": { "en-us": { "role": { "negatedTerseLabel": "U.S. research and development and other credits", "label": "Deferred Tax Assets, Tax Credit Carryforwards, Research, Valuation Allowance", "documentation": "Deferred Tax Assets, Tax Credit Carryforwards, Research, Valuation Allowance" } } }, "auth_ref": { "us-gaap_DeferredTaxAssetsTaxCreditCarryforwardsStateAndForeign": { "xbrltype": "monetaryItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "DeferredTaxAssetsTaxCreditCarryforwardsStateAndForeign", "crdr": "debit", "calculation": { "http://www.hpe.com/role/TaxesonEarningsScheduleofTaxCreditCarryforwardsandAllowancesDetails": { "parentTag": "us-gaap_DeferredTaxAssetsTaxCreditCarryforwards", "weight": 1.0, "order": 3.0 } }, "presentation": { "http://www.hpe.com/role/TaxesonEarningsScheduleofTaxCreditCarryforwardsandAllowancesDetails": { "lang": { "en-us": { "role": { "terseLabel": "Tax credits in state and foreign jurisdictions", "label": "Deferred Tax Assets Tax Credit Carryforwards State and Foreign", "documentation": "Amount before allocation of valuation allowances of deferred tax asset, attributable to state and foreign tax credit carryforwards." } } }, "auth_ref": { "us-gaap_DeferredTaxAssetsTaxDeferredExpenseCompensationAndBenefits": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DeferredTaxAssetsTaxDeferredExpenseCompensationAndBenefits", "crdr": "debit", "calculation": { "http://www.hpe.com/role/TaxesonEarningsComponentsofDeferredTaxAssetsandDeferredTaxLiabilitiesDetails": { "parentTag": "us-gaap_DeferredTaxAssetsGross", "weight": 1.0, "order": 5.0 } }, "presentation": { "http://www.hpe.com/role/TaxesonEarningsComponentsofDeferredTaxAssetsandDeferredTaxLiabilitiesDetails": { "lang": { "en-us": { "role": { "terseLabel": "Employee and retiree benefits", "label": "Deferred Tax Assets, Tax Deferred Expense, Compensation and Benefits", "documentation": "Amount before allocation of valuation allowances of deferred tax asset attributable to deductible temporary differences from compensation and benefits costs." } } }, "auth_ref": "r1852" } }, "us-gaap_DeferredTaxAssetsTaxDeferredExpenseReservesAndAccrualsRestructuringCharges": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DeferredTaxAssetsTaxDeferredExpenseReservesAndAccrualsRestructuringCharges", "crdr": "debit", "calculation": { "http://www.hpe.com/role/TaxesonEarningsComponentsofDeferredTaxAssetsandDeferredTaxLiabilitiesDetails": { "parentTag": "us-gaap_DeferredTaxAssetsGross", "weight": 1.0, "order": 6.0 } }, "presentation": { "http://www.hpe.com/role/TaxesonEarningsComponentsofDeferredTaxAssetsandDeferredTaxLiabilitiesDetails": { "lang": { "en-us": { "role": { "terseLabel": "Restructuring", "verboseLabel": "Adjustment to reduce deferred tax asset", "label": "Deferred Tax Assets, Tax Deferred Expense, Reserves and Accruals, Restructuring Charges", "documentation": "Amount before allocation of valuation allowances of deferred tax asset attributable to deductible temporary differences from restructuring reserve." } } }, "auth_ref": "r1852" } }, "us-gaap_DeferredTaxAssetsTaxDeferredExpenseReservesAndAccrualsWarrantyReserves": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DeferredTaxAssetsTaxDeferredExpenseReservesAndAccrualsWarrantyReserves", "crdr": "debit", "calculation": { "http://www.hpe.com/role/TaxesonEarningsComponentsofDeferredTaxAssetsandDeferredTaxLiabilitiesDetails": { "parentTag": "us-gaap_DeferredTaxAssetsGross", "weight": 1.0, "order": 4.0 } }, "presentation": { "http://www.hpe.com/role/TaxesonEarningsComponentsofDeferredTaxAssetsandDeferredTaxLiabilitiesDetails": { "lang": { "en-us": { "role": { "negatedTerseLabel": "Warranty", "label": "Deferred Tax Assets, Tax Deferred Expense, Reserves and Accruals, Warranty Reserves", "documentation": "Amount before allocation of valuation allowances of deferred tax asset attributable to deductible temporary differences from warranty reserves." } } }, "auth_ref": "r1852" } }, "us-gaap_DeferredTaxAssetsValuationAllowance": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DeferredTaxAssetsValuationAllowance", "crdr": "credit", "calculation": { "http://www.hpe.com/role/TaxesonEarningsComponentsofDeferredTaxAssetsandDeferredTaxLiabilitiesDetails": { "parentTag": "us-gaap_DeferredTaxAssetsNet", "weight": 1.0, "order": 2.0 } }, "presentation": { "http://www.hpe.com/role/TaxesonEarningsComponentsofDeferredTaxAssetsandDeferredTaxLiabilitiesDetails": { "lang": { "en-us": { "role": { "negatedLabel": "Valuation allowance(1)", "terseLabel": "Valuation allowance on deferred tax assets", "label": "Deferred Tax Assets, Valuation Allowance", "documentation": "Amount of deferred tax assets for which it is more likely than not that a tax benefit will not be realized." } } }, "auth_ref": "r914" } }, "us-gaap_DeferredTaxLiabilitiesLeasingArrangements": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DeferredTaxLiabilitiesLeasingArrangements", "crdr": "credit", "calculation": { "http://www.hpe.com/role/TaxesonEarningsComponentsofDeferredTaxAssetsandDeferredTaxLiabilitiesDetails": { "parentTag": "us-gaap_DeferredIncomeTaxLiabilities", "weight": 1.0, "order": 3.0 } }, "presentation": { "http://www.hpe.com/role/TaxesonEarningsComponentsofDeferredTaxAssetsandDeferredTaxLiabilitiesDetails": { "lang": { "en-us": { "role": { "negatedTerseLabel": "ROU assets", "label": "Deferred Tax Liabilities, Leasing Arrangements", "documentation": "Amount of deferred tax liability attributable to taxable temporary differences from leasing arrangements." } } }, "auth_ref": "r1852" } }, "us-gaap_DeferredTaxLiabilitiesPropertyPlantAndEquipment": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DeferredTaxLiabilitiesPropertyPlantAndEquipment", "crdr": "credit", "calculation": { "http://www.hpe.com/role/TaxesonEarningsComponentsofDeferredTaxAssetsandDeferredTaxLiabilitiesDetails": { "parentTag": "us-gaap_DeferredIncomeTaxLiabilities", "weight": 1.0, "order": 2.0 } }, "presentation": { "http://www.hpe.com/role/TaxesonEarningsComponentsofDeferredTaxAssetsandDeferredTaxLiabilitiesDetails": { "lang": { "en-us": { "role": { "negatedLabel": "Fixed assets", "label": "Deferred Tax Liabilities, Property, Plant and Equipment", "documentation": "Amount of deferred tax liability attributable to taxable temporary differences from property, plant, and equipment." } } }, "auth_ref": "r1852" } }, "us-

gaap-DeferredTaxLiabilitiesUndistributedForeignEarnings": {"xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DeferredTaxLiabilitiesUndistributedForeignEarnings", "crdr": "credit", "calculation": {"parentTag": "us-gaap-DeferredIncomeTaxLiabilities", "weight": 1.0, "order": 1.0}}, {"presentation": "http://www.hpe.com/role/TaxesonEarningsComponentsofDeferredTaxAssetsandDeferredTaxLiabilitiesDetails", "lang": "en-us", "role": "negatedLabel", "label": "Unremitted earnings of foreign subsidiaries", "documentation": "Amount of deferred tax liability attributable to taxable temporary differences from undistributed earnings of subsidiary and other recognized entity not within country of domicile. Includes, but is not limited to, other basis differences."}, {"auth_ref": "r1852"}, {"hpe-DefinedBenefitNetPeriodicBenefitCostCreditGainLossOnSettlementAndSpecialTerminationBenefits": {"xbrltype": "monetaryItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "DefinedBenefitNetPeriodicBenefitCostCreditGainLossOnSettlementAndSpecialTerminationBenefits", "crdr": "debit", "calculation": {"parentTag": "us-gaap-DefinedBenefitPlanNetPeriodicBenefitCost", "weight": 1.0, "order": 2.0}}, {"presentation": "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansSummaryofNetBenefitCostDetails", "lang": "en-us", "role": "terseLabel", "label": "Settlement loss and special termination benefits", "documentation": "Defined Benefit Net Periodic Benefit Cost (Credit), Gain (Loss) On Settlement And Special Termination Benefits"}, {"hpe-DefinedBenefitNetPeriodicBenefitCost (Credit), Gain (Loss) On Settlement And Special Termination Benefits": {"xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DefinedBenefitPlanAccumulatedBenefitObligation", "crdr": "credit", "presentation": {"parentTag": "us-gaap-DefinedBenefitPlanAccumulatedBenefitObligation", "weight": 1.0, "order": 1.0}}, {"presentation": "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansFundedStatusofPlansDetails", "lang": "en-us", "role": "terseLabel", "label": "Accumulated benefit obligation", "documentation": "Amount of actuarial present value of benefits attributed to employee service rendered, excluding assumptions about future compensation level."}, {"auth_ref": "r775"}, {"us-gaap-DefinedBenefitPlanAccumulatedOtherComprehensiveIncomeBeforeTax": {"xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DefinedBenefitPlanAccumulatedOtherComprehensiveIncomeBeforeTax", "crdr": "debit", "calculation": {"parentTag": "us-gaap-DefinedBenefitPlanAccumulatedOtherComprehensiveIncomeBeforeTax", "weight": 1.0, "order": 1.0}}, {"presentation": "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansPreTaxNetActuarialLossandPriorServiceBenefitRecognizedinAccumulatedOtherComprehensiveLossfortheD", "lang": "en-us", "role": "totalLabel", "label": "Total recognized in accumulated other comprehensive loss", "documentation": "Amount, before tax, of accumulated other comprehensive (income) loss for defined benefit plan, that has not been recognized in net periodic benefit cost (credit)."}, {"auth_ref": "r47", "r6", "r45", "r174", "r1794"}, {"us-gaap-DefinedBenefitPlanAccumulatedOtherComprehensiveIncomeNetGainsLossesBeforeTax": {"xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DefinedBenefitPlanAccumulatedOtherComprehensiveIncomeNetGainsLossesBeforeTax", "crdr": "credit", "calculation": {"parentTag": "us-gaap-DefinedBenefitPlanAccumulatedOtherComprehensiveIncomeBeforeTax", "weight": 1.0, "order": 1.0}}, {"presentation": "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansPreTaxNetActuarialLossandPriorServiceBenefitRecognizedinAccumulatedOtherComprehensiveLossfortheD", "lang": "en-us", "role": "negatedTerseLabel", "label": "Defined Benefit Plan, Accumulated Other Comprehensive Income (Loss), Gain (Loss), before Tax", "documentation": "Amount, before tax, of accumulated other comprehensive income (loss) for gain (loss) of defined benefit plan, that has not been recognized in net periodic benefit (cost) credit."}, {"auth_ref": "r45", "r787"}, {"us-gaap-DefinedBenefitPlanAccumulatedOtherComprehensiveIncomeNetPriorServiceCostCreditBeforeTax": {"xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DefinedBenefitPlanAccumulatedOtherComprehensiveIncomeNetPriorServiceCostCreditBeforeTax", "crdr": "debit", "calculation": {"parentTag": "us-gaap-DefinedBenefitPlanAccumulatedOtherComprehensiveIncomeBeforeTax", "weight": 1.0, "order": 1.0}}, {"presentation": "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansPreTaxNetActuarialLossandPriorServiceBenefitRecognizedinAccumulatedOtherComprehensiveLossfortheD", "lang": "en-us", "role": "terseLabel", "label": "Prior service benefit", "documentation": "Amount, before tax, of accumulated other comprehensive (income) loss for cost (credit) of benefit change attributable to participants' prior service from plan amendment or plan initiation of defined benefit plan, that has not been recognized in net periodic benefit cost (credit)."}, {"auth_ref": "r45", "r787"}, {"us-gaap-DefinedBenefitPlanActualReturnOnPlanAssets": {"xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DefinedBenefitPlanActualReturnOnPlanAssets", "crdr": "debit", "presentation": {"parentTag": "us-gaap-DefinedBenefitPlanActualReturnOnPlanAssets", "weight": 1.0, "order": 1.0}}, {"presentation": "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansFundedStatusofPlansDetails", "lang": "en-us", "role": "terseLabel", "label": "Actual return on plan assets", "documentation": "Amount of increase (decrease) in plan assets of defined benefit plan from actual return (loss) determined by change in fair value of plan assets adjusted for contributions, benefit payments, and other expenses."}, {"auth_ref": "r757", "r1432"}, {"us-gaap-DefinedBenefitPlanActualReturnOnPlanAssetsAbstract": {"xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DefinedBenefitPlanActualReturnOnPlanAssetsAbstract", "presentation": {"parentTag": "us-gaap-DefinedBenefitPlanActualReturnOnPlanAssets", "weight": 1.0, "order": 1.0}}, {"presentation": "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansChangesinFairValueMeasurementssofLevel3InvestmentsfortheNonUSDefinedBenefitPlansDetails", "lang": "en-us", "role": "terseLabel", "label": "Actual return on plan assets", "documentation": "Defined Benefit Plan, Plan Assets Level 3 Reconciliation, Increase (Decrease) for Actual Return (Loss) on Plan Assets Sold", "auth_ref": "r771", "r1432"}, {"us-gaap-DefinedBenefitPlanActualReturnOnPlanAssetsStillHeld": {"xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DefinedBenefitPlanActualReturnOnPlanAssetsStillHeld", "crdr": "debit", "presentation": {"parentTag": "us-gaap-DefinedBenefitPlanActualReturnOnPlanAssets", "weight": 1.0, "order": 1.0}}, {"presentation": "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansChangesinFairValueMeasurementssofLevel3InvestmentsfortheNonUSDefinedBenefitPlansDetails", "lang": "en-us", "role": "verboseLabel", "label": "Relating to assets held at the reporting date", "documentation": "Defined Benefit Plan, Plan Assets Level 3 Reconciliation, Increase (Decrease) for Actual Return (Loss) on Plan Assets Still Held", "auth_ref": "r771", "r1432"}, {"us-gaap-DefinedBenefitPlanActuarialGainLoss": {"xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DefinedBenefitPlanActuarialGainLoss", "crdr": "credit", "presentation": {"parentTag": "us-gaap-DefinedBenefitPlanActuarialGainLoss", "weight": 1.0, "order": 1.0}}, {"presentation": "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansFundedStatusofPlansDetails", "lang": "en-us", "role": "negatedLabel", "label": "Actuarial loss (gain)", "documentation": "Defined Benefit Plan, Benefit Obligation, Actuarial Gain (Loss)", "auth_ref": "r750"}, {"hpe-DefinedBenefitPlanAmortizationAndDeferralsAbstract": {"xbrltype": "stringItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "DefinedBenefitPlanAmortizationAndDeferralsAbstract", "presentation": {"parentTag": "us-gaap-DefinedBenefitPlanAmortizationAndDeferralsAbstract", "weight": 1.0, "order": 1.0}}, {"presentation": "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansSummaryofNetBenefitCostDetails", "lang": "en-us", "role": "terseLabel", "label": "Amortization and deferrals", "documentation": "Defined Benefit Plan Amortization and Deferrals Abstract", "auth_ref": "r744", "r783", "r809", "r1432", "r1433"}, {"us-gaap-DefinedBenefitPlanAmortizationOfGainsLosses": {"xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DefinedBenefitPlanAmortizationOfGainsLosses", "crdr": "credit", "calculation": {"parentTag": "us-gaap-DefinedBenefitPlanAmortizationOfGainsLosses", "weight": 1.0, "order": 1.0}}, {"presentation": "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansSummaryofNetBenefitCostDetails", "lang": "en-us", "role": "terseLabel", "label": "Prior service benefit", "documentation": "Amount of prior service cost (credit) recognized in net periodic benefit cost (credit) of defined benefit plan.", "auth_ref": "r744", "r783", "r809", "r1432", "r1433"}, {"us-gaap-DefinedBenefitPlanAssetsForPlanBenefitsNoncurrent": {"xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DefinedBenefitPlanAssetsForPlanBenefitsNoncurrent", "crdr": "debit", "calculation": {"parentTag": "us-gaap-DefinedBenefitPlanAssetsForPlanBenefitsNoncurrent", "weight": 1.0, "order": 1.0}}, {"presentation": "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansNetAmountsRecognizedfortheDirectPlansinCombinedandConsolidatedBalanceSheetsDetails", "lang": "en-us", "role": "terseLabel", "label": "Non-current assets", "documentation": "Assets for Plan Benefits, Defined Benefit Plan", "auth_ref": "r235", "r742", "r743", "r765", "r1245", "r1432", "r1910"}, {"us-gaap-DefinedBenefitPlanAssumptionsUsedCalculatingBenefitObligationDiscountRate": {"xbrltype": "percentItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DefinedBenefitPlanAssumptionsUsedCalculatingBenefitObligationDiscountRate", "presentation": {"parentTag": "us-gaap-DefinedBenefitPlanAssumptionsUsedCalculatingBenefitObligationDiscountRate", "weight": 1.0, "order": 1.0}}, {"presentation": "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansWeightedAverageAssumptionsUsedtoCalculatetheProjectedBenefitObligationsforDirectPlansDetails", "lang": "en-us", "role": "terseLabel", "label": "Discount rate", "documentation": "Defined Benefit Plan, Assumptions Used Calculating Benefit Obligation, Discount Rate", "auth_ref": "r744", "r783", "r809", "r1432", "r1433"}, {"us-gaap-DefinedBenefitPlanAssumptionsUsedCalculatingBenefitObligationRateOfCompensationIncrease": {"xbrltype": "percentItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DefinedBenefitPlanAssumptionsUsedCalculatingBenefitObligationRateOfCompensationIncrease", "presentation": {"parentTag": "us-gaap-DefinedBenefitPlanAssumptionsUsedCalculatingBenefitObligationRateOfCompensationIncrease", "weight": 1.0, "order": 1.0}}, {"presentation": "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansWeightedAverageAssumptionsUsedtoCalculatetheProjectedBenefitObligationsforDirectPlansDetails", "lang": "en-us", "role": "terseLabel", "label": "Expected increase in compensation levels", "documentation": "Defined Benefit Plan, Assumptions Used Calculating Benefit Obligation, Rate of Compensation Increase", "auth_ref": "r790"}, {"us-gaap-DefinedBenefitPlanAssumptionsUsedCalculatingBenefitObligationWeightedAverageInterestCreditingRate": {"xbrltype": "percentItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DefinedBenefitPlanAssumptionsUsedCalculatingBenefitObligationWeightedAverageInterestCreditingRate", "presentation": {"parentTag": "us-gaap-DefinedBenefitPlanAssumptionsUsedCalculatingBenefitObligationWeightedAverageInterestCreditingRate", "weight": 1.0, "order": 1.0}}, {"presentation": "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansWeightedAverageAssumptionsUsedtoCalculatetheProjectedBenefitObligationsforDirectPlansDetails", "lang": "en-us", "role": "terseLabel", "label": "Interest crediting rate", "documentation": "Defined Benefit Plan, Assumptions Used Calculating Benefit Obligation, Weighted-Average Interest Crediting Rate", "auth_ref": "r792"}, {"us-gaap-DefinedBenefitPlanAssumptionsUsedCalculatingNetPeriodicBenefitCostDiscountRate": {"xbrltype": "percentItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DefinedBenefitPlanAssumptionsUsedCalculatingNetPeriodicBenefitCostDiscountRate", "presentation": {"parentTag": "us-gaap-DefinedBenefitPlanAssumptionsUsedCalculatingNetPeriodicBenefitCostDiscountRate", "weight": 1.0, "order": 1.0}}, {"presentation": "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansWeightedAverageAssumptionsUsedtoCalculatetheProjectedBenefitObligationsDetails", "lang": "en-us", "role": "terseLabel", "label": "Discount rate used to determine benefit obligation", "documentation": "Defined Benefit Plan, Assumptions Used Calculating Net Periodic Benefit Cost, Discount Rate", "auth_ref": "r789"}, {"hpe-DefinedBenefitPlanAssumptionsUsedCalculatingNetPeriodicBenefitCostDiscountRateInterestCost": {"xbrltype": "percentItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "DefinedBenefitPlanAssumptionsUsedCalculatingNetPeriodicBenefitCostDiscountRateInterestCost", "presentation": {"parentTag": "us-gaap-DefinedBenefitPlanAssumptionsUsedCalculatingNetPeriod

"http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansWeightedAverageAssumptionsUsedtoCalculatetheProjectedBenefitObligationsDetails"},"lang":{"en-us":{"role":{"terseLabel":"Discount rate used to determine interest cost"},"label":"Defined Benefit Plan, Assumptions Used Calculating Net Periodic Benefit Cost, Discount Rate, Interest Cost"},"documentation":"Defined Benefit Plan, Assumptions Used Calculating Net Periodic Benefit Cost, Discount Rate, Interest Cost"}},{"auth_ref":{"hpe_DefinedBenefitPlanAssumptionsUsedCalculatingNetPeriodicBenefitCostDiscountRateServiceCost":{"xbrltype":"percentItemType","nsuri":"http://www.hpe.com/20241031","localname":"DefinedBenefitPlanAssumptionsUsedCalculatingNetPeriodicBenefitCostDiscountRateServiceCost"},"presentation":{"http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansWeightedAverageAssumptionsUsedtoCalculatetheProjectedBenefitObligationsDetails"},"lang":{"en-us":{"role":{"terseLabel":"Discount rate used to determine service cost"},"label":"Defined Benefit Plan, Assumptions Used Calculating Net Periodic Benefit Cost, Discount Rate, Service Cost"},"documentation":"Defined Benefit Plan, Assumptions Used Calculating Net Periodic Benefit Cost, Discount Rate, Service Cost"}},{"auth_ref":{"us-gaap_DefinedBenefitPlanAssumptionsUsedCalculatingNetPeriodicBenefitCostExpectedLongTermReturnOnAssets":{"xbrltype":"percentItemType","nsuri":"http://fasb.org/us-gaap/2024","localname":"DefinedBenefitPlanAssumptionsUsedCalculatingNetPeriodicBenefitCostExpectedLongTermReturnOnAssets"},"presentation":{"http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansWeightedAverageAssumptionsUsedtoCalculatetheProjectedBenefitObligationsDetails"},"lang":{"en-us":{"role":{"terseLabel":"Expected long-term return on plan assets"},"label":"Defined Benefit Plan, Assumptions Used Calculating Net Periodic Benefit Cost, Expected Long-Term Rate of Return on Plan Assets"},"documentation":"Weighted average rate of return on plan assets, reflecting average rate of earnings expected on existing plan assets and expected contributions, used to determine net periodic benefit cost of defined benefit plan."}}},{"auth_ref":{"r791":{"r813"},"us-gaap_DefinedBenefitPlanAssumptionsUsedCalculatingNetPeriodicBenefitCostRateOfCompensationIncrease":{"xbrltype":"percentItemType","nsuri":"http://fasb.org/us-gaap/2024","localname":"DefinedBenefitPlanAssumptionsUsedCalculatingNetPeriodicBenefitCostRateOfCompensationIncrease"},"presentation":{"http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansWeightedAverageAssumptionsUsedtoCalculatetheProjectedBenefitObligationsDetails"},"lang":{"en-us":{"role":{"terseLabel":"Expected increase in compensation levels"},"label":"Defined Benefit Plan, Assumptions Used Calculating Net Periodic Benefit Cost, Rate of Compensation Increase"},"documentation":"Weighted average rate of compensation increase used to determine net periodic benefit cost of defined benefit plan. Plan includes, but is not limited to, pay-related defined benefit plan."}}},{"auth_ref":{"r790"},"us-gaap_DefinedBenefitPlanAssumptionsUsedCalculatingNetPeriodicBenefitCostWeightedAverageInterestCreditingRate":{"xbrltype":"percentItemType","nsuri":"http://fasb.org/us-gaap/2024","localname":"DefinedBenefitPlanAssumptionsUsedCalculatingNetPeriodicBenefitCostWeightedAverageInterestCreditingRate"},"presentation":{"http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansWeightedAverageAssumptionsUsedtoCalculatetheProjectedBenefitObligationsDetails"},"lang":{"en-us":{"role":{"terseLabel":"Interest Crediting Rate"},"label":"Defined Benefit Plan, Assumptions Used Calculating Net Periodic Benefit Cost, Weighted-Average Interest Crediting Rate"},"documentation":"Weighted-average interest crediting rate used to determine net periodic benefit cost of defined benefit plan. Plan includes, but is not limited to, cash balance and other defined benefit plans with promised interest crediting rate."}}},{"auth_ref":{"r792"},"us-gaap_DefinedBenefitPlanBenefitObligation":{"xbrltype":"monetaryItemType","nsuri":"http://fasb.org/us-gaap/2024","localname":"DefinedBenefitPlanBenefitObligation"},"crdr":"credit","presentation":{"http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansFundedStatusofPlansDetails"},"lang":{"en-us":{"role":{"terseLabel":"Defined benefit plan, benefit obligation"},"periodStartLabel":"Projected benefit obligationiu2014beginning of year","periodEndLabel":"Projected benefit obligationiu2014end of year","label":"Defined Benefit Plan, Benefit Obligation"},"documentation":"Amount of actuarial present value of benefits attributed to service rendered by employee for defined benefit plan."}}},{"auth_ref":{"r745"},"us-gaap_DefinedBenefitPlanBenefitObligationBenefitsPaid":{"xbrltype":"monetaryItemType","nsuri":"http://fasb.org/us-gaap/2024","localname":"DefinedBenefitPlanBenefitObligationBenefitsPaid"},"crdr":"credit","presentation":{"http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansFundedStatusofPlansDetails"},"lang":{"en-us":{"role":{"negatedLabel":"Benefits paid"},"label":"Defined Benefit Plan, Benefit Obligation, Benefits Paid"},"documentation":"Amount of payment to participant of defined benefit plan which decreases benefit obligation. For pension plan, payment includes, but is not limited to, pension benefits and death benefits. For other postretirement plan, payment includes, but is not limited to, prescription drug benefits, health care benefits, life insurance benefits, and legal, educational and advisory services."}}},{"auth_ref":{"r752"},"r816"},"us-gaap_DefinedBenefitPlanBenefitObligationContributionsByPlanParticipant":{"xbrltype":"monetaryItemType","nsuri":"http://fasb.org/us-gaap/2024","localname":"DefinedBenefitPlanBenefitObligationContributionsByPlanParticipant"},"crdr":"debit","presentation":{"http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansFundedStatusofPlansDetails"},"lang":{"en-us":{"role":{"terseLabel":"Participant contributions"},"label":"Defined Benefit Plan, Benefit Obligation, Contributions by Plan Participant"},"documentation":"Amount of contributions received by defined benefit plan from participant which increase benefit obligation."}}},{"auth_ref":{"r749"},"hpe_DefinedBenefitPlanBenefitObligationIncreaseDecreaseFromBusinessCombinationsAndDivestitures":{"xbrltype":"monetaryItemType","nsuri":"http://www.hpe.com/20241031","localname":"DefinedBenefitPlanBenefitObligationIncreaseDecreaseFromBusinessCombinationsAndDivestitures"},"crdr":"credit","presentation":{"http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansFundedStatusofPlansDetails"},"lang":{"en-us":{"role":{"terseLabel":"Addition/deletion of plans"},"label":"Defined Benefit Plan, Benefit Obligation, Increase (Decrease) From Business Combinations And Divestitures"},"documentation":"Defined Benefit Plan, Benefit Obligation, Increase (Decrease) From Business Combinations And Divestitures"}},{"auth_ref":{"us-gaap_DefinedBenefitPlanByPlanAssetCategoriesAxis":{"xbrltype":"stringItemType","nsuri":"http://fasb.org/us-gaap/2024","localname":"DefinedBenefitPlanByPlanAssetCategoriesAxis"},"presentation":{"http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansChangesinFairValueMeasurementssofLevel3InvestmentsfortheNonUSDefinedBenefitPlansDetails"},"http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansFairValueofNonUSDefinedBenefitPlanAssetsbyAssetCategoryWithintheFairValueHierarchyDetails"},"http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansNarrativeDetails"},"http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansWeightedAverageTargetandActualAssetAllocationsAcrossNonUSDefinedBenefitPlansDetails"},"lang":{"en-us":{"role":{"terseLabel":"Defined Benefit Plan, Plan Assets, Category [Axis]"},"label":"Defined Benefit Plan, Plan Assets, Category [Axis]"},"documentation":"Information by defined benefit plan asset investment."}}},{"auth_ref":{"r766"},"r767"},"r769"},"r770"},"r771"},"r772"},"r773"},"r774"},"r794"},"r1430"},"r1431"},"r1432"},"us-gaap_DefinedBenefitPlanCashAndCashEquivalentsMember":{"xbrltype":"domainItemType","nsuri":"http://fasb.org/us-gaap/2024","localname":"DefinedBenefitPlanCashAndCashEquivalentsMember"},"presentation":{"http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansFairValueofNonUSDefinedBenefitPlanAssetsbyAssetCategoryWithintheFairValueHierarchyDetails"},"http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansNarrativeDetails"},"http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansWeightedAverageTargetandActualAssetAllocationsAcrossNonUSDefinedBenefitPlansDetails"},"lang":{"en-us":{"role":{"terseLabel":"Cash and Cash Equivalents"},"label":"Defined Benefit Plan, Cash and Cash Equivalents [Member]"},"documentation":"Cash and cash equivalent in which defined benefit plan asset is invested."}}},{"auth_ref":{"r1430"},"us-gaap_DefinedBenefitPlanChangeInBenefitObligationRollForward":{"xbrltype":"stringItemType","nsuri":"http://fasb.org/us-gaap/2024","localname":"DefinedBenefitPlanChangeInBenefitObligationRollForward"},"presentation":{"http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansFundedStatusofPlansDetails"},"lang":{"en-us":{"role":{"terseLabel":"Change in benefit obligation"},"label":"Defined Benefit Plan, Change in Benefit Obligation [Roll Forward]"},"documentation":"A roll forward is a reconciliation of a concept from the beginning of a period to the end of a period."}}}, {"auth_ref":{"us-gaap_DefinedBenefitPlanChangeInFairValueOfPlanAssetsRollForward":{"xbrltype":"stringItemType","nsuri":"http://fasb.org/us-gaap/2024","localname":"DefinedBenefitPlanChangeInFairValueOfPlanAssetsRollForward"},"presentation":{"http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansChangesinFairValueMeasurementssofLevel3InvestmentsfortheNonUSDefinedBenefitPlansDetails"},"http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansFairValueofNonUSDefinedBenefitPlanAssetsbyAssetCategoryWithintheFairValueHierarchyDetails"},"http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansNarrativeDetails"},"http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansFundedStatusofPlansDetails"},"lang":{"en-us":{"role":{"terseLabel":"Change in fair value of plan assets"},"verboseLabel":"Changes in fair value measurements of Level 3 investments"},"label":"Defined Benefit Plan, Change in Fair Value of Plan Assets [Roll Forward]"},"documentation":"A roll forward is a reconciliation of a concept from the beginning of a period to the end of a period."}}}, {"auth_ref":{"us-gaap_DefinedBenefitPlanContributionsByEmployer":{"xbrltype":"monetaryItemType","nsuri":"http://fasb.org/us-gaap/2024","localname":"DefinedBenefitPlanContributionsByEmployer"},"crdr":"debit","presentation":{"http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansFundedStatusofPlansDetails"},"http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansNarrativeDetails"},"http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansWeightedAverageTargetandActualAssetAllocationsAcrossNonUSDefinedBenefitPlansDetails"},"lang":{"en-us":{"role":{"terseLabel":"Employer contributions"},"label":"Defined Benefit Plan, Plan Assets, Contributions by Employer"},"documentation":"Amount of contribution received by defined benefit plan from employer which increases plan assets."}}}, {"auth_ref":{"r759"},"r769"},"r812"},"r1430"},"r1431"},"r1432"},"r1433"},"us-gaap_DefinedBenefitPlanDebtSecurityMember":{"xbrltype":"domainItemType","nsuri":"http://fasb.org/us-gaap/2024","localname":"DefinedBenefitPlanDebtSecurityMember"},"presentation":{"http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansWeightedAverageTargetandActualAssetAllocationsAcrossNonUSDefinedBenefitPlansDetails"},"lang":{"en-us":{"role":{"terseLabel":"Debt securities"},"label":"Defined Benefit Plan, Debt Security [Member]"},"documentation":"Debt instrument issued by corporation, government and governmental agency, municipality, and other institution, in which defined benefit plan asset is invested."}}}, {"auth_ref":{"r1476"},"us-gaap_DefinedBenefitPlanDisclosureLineItems":{"xbrltype":"stringItemType","nsuri":"http://fasb.org/us-gaap/2024","localname":"DefinedBenefitPlanDisclosureLineItems"},"presentation":{"http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansChangesinFairValueMeasurementssofLevel3InvestmentsfortheNonUSDefinedBenefitPlansDetails"},"http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansFairValueofNonUSDefinedBenefitPlanAssetsbyAssetCategoryWithintheFairValueHierarchyDetails"},"http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansFundedStatusofPlansDetails"},"http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansSummaryofNetBenefitCostDetails"},"http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansWeightedAverageAssumptionsUsedtoCalculatetheProjectedBenefitObligationsDetails"},"lang":{"en-us":{"role":{"terseLabel":"Defined benefit plans"},"label":"Defined Benefit Plan Disclosure [Line Items]"},"documentation":"Line items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table."}}}, {"auth_ref":{"us-gaap_DefinedBenefitPlanDivestituresBenefitObligation":{"xbrltype":"monetaryItemType","nsuri":"http://fasb.org/us-gaap/2024","localname":"DefinedBenefitPlanDivestituresBenefitObligation"},"crdr":"debit","presentation":{"http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansNarrativeDetails"},"lang":{"en-us":{"role":{"terseLabel":"Defined benefit plan, benefit obligation, divestiture"},"label":"Defined Benefit Plan, Benefit Obligation, Divestiture"},"documentation":"Amount of decrease in benefit obligation of defined benefit plan from disposal or classification as held-for-sale."}}}, {"auth_ref":{"r755"},"us-gaap_DefinedBenefitPlanDivestituresPlanAssets":{"xbrltype":"monetaryItemType","nsuri":"http://fasb.org/us-gaap/2024","localname":"DefinedBenefitPlanDivestituresPlanAssets"},"crdr":"credit","presentation":{"http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansNarrativeDetails"},"lang":{"en-us":{"role":{"terseLabel":"Defined benefit plan, plan assets, divestiture"},"label":"Defined Benefit Plan, Plan Assets, Divestiture"},"documentation":"Amount of decrease in plan assets of defined benefit plan from disposal or classification as held-for-sale."}}}, {"auth_ref":{"r763"},"us-gaap_DefinedBenefitPlanEquitySecuritiesMember":{"xbrltype":"domainItemType","nsuri":"http://fasb.org/us-gaap/2024","localname":"DefinedBenefitPlanEquitySecuritiesMember"},"presentation":{"http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansWeightedAverageTargetandActualAssetAllocationsAcrossNonUSDefinedBenefitPlansDetails"},"lang":{"en-us":{"role":{"terseLabel":"Equity-related investments"},"label":"Defined Benefit Plan, Equity Securities [Member]"},"documentation":"Security representing ownership in corporation or other legal entity for which ownership is represented by share of stock, in which defined benefit plan asset is invested. Includes, but is not limited to, common stock, preferred stock, convertible security, stock right and stock warrant."}}}, {"auth_ref":{"r1430"},"r1431"},"r1432"},"us-gaap_DefinedBenefitPlanEquitySecuritiesNonUsMember":{"xbrltype":"domainItemType","nsuri":"http://fasb.org/us-gaap/2024","localname":"DefinedBenefitPlanEquitySecuritiesNonUsMember"},"presentation":{"http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansFairValueofNonUSDefinedBenefitPlanAssetsbyAssetCategoryWithintheFairValueHierarchyDetails"},"lang":{"en-us":{"role":{"terseLabel":"Non-U.S."},"label":"Defined Benefit Plan, Equity Securities, Non-US [Member]"},"documentation":"Security representing ownership in corporation or other legal entity, not domiciled in United States of America (US), for which ownership is represented by share of stock, in which defined benefit plan asset is invested. Includes, but is not limited to, common stock, preferred stock, convertible security, stock right and stock warrant."}}}, {"auth_ref":{"r1430"},"r1431"},"r1432"},"us-gaap_DefinedBenefitPlanEquitySecuritiesUsMember":{"xbrltype":"domainItemType","nsuri":"http://fasb.org/us-gaap/2024","localname":"DefinedBenefitPlanEquitySecuritiesUsMember"},"presentation":{"http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansFairValueofNonUSDefinedBenefitPlanAssetsbyAssetCategoryWithintheFairValueHierarchyDetails"},"lang":{"en-us":{"role":{"terseLabel":"U.S."},"label":"Defined Benefit Plan, Equity Securities, US [Member]"},"documentation":"Security representing ownership in

corporation or other legal entity, domiciled in United States of America (US), for which ownership is represented by share of stock, in which defined benefit plan asset is invested. Includes, but is not limited to, common stock, preferred stock, convertible security, stock right and stock warrant." } } }, "auth_ref": { "r1430", "r1431", "r1432" } } }, "us-gaap_DefinedBenefitPlanExpectedFutureBenefitPaymentsFiveFiscalYearsThereafter": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DefinedBenefitPlanExpectedFutureBenefitPaymentsFiveFiscalYearsThereafter", "crdr": "credit", "presentation": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansEstimatedFutureBenefitsPaymentsDetails": { "lang": { "en-us": { "role": { "terseLabel": "Next five fiscal years to October 31, 2034", "label": "Defined Benefit Plan, Expected Future Benefit Payment, after Year Five for Next Five Years", "documentation": "Amount of benefit for defined benefit plan expected to be paid in five fiscal years after fifth fiscal year following current fiscal year." } } }, "auth_ref": { "r776" } } }, "us-gaap_DefinedBenefitPlanExpectedFutureBenefitPaymentsNextTwelveMonths": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DefinedBenefitPlanExpectedFutureBenefitPaymentsNextTwelveMonths", "crdr": "credit", "presentation": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansEstimatedFutureBenefitsPaymentsDetails": { "lang": { "en-us": { "role": { "terseLabel": "2025", "label": "Defined Benefit Plan, Expected Future Benefit Payment, Year One", "documentation": "Amount of benefit for defined benefit plan expected to be paid in next fiscal year following current fiscal year." } } }, "auth_ref": { "r776" } } }, "us-gaap_DefinedBenefitPlanExpectedFutureBenefitPaymentsYearFour": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DefinedBenefitPlanExpectedFutureBenefitPaymentsYearFour", "crdr": "credit", "presentation": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansEstimatedFutureBenefitsPaymentsDetails": { "lang": { "en-us": { "role": { "terseLabel": "2028", "label": "Defined Benefit Plan, Expected Future Benefit Payment, Year Four", "documentation": "Amount of benefit for defined benefit plan expected to be paid in fourth fiscal year following current fiscal year." } } }, "auth_ref": { "r776" } } }, "us-gaap_DefinedBenefitPlanExpectedFutureBenefitPaymentsYearThree": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DefinedBenefitPlanExpectedFutureBenefitPaymentsYearThree", "crdr": "credit", "presentation": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansEstimatedFutureBenefitsPaymentsDetails": { "lang": { "en-us": { "role": { "terseLabel": "2027", "label": "Defined Benefit Plan, Expected Future Benefit Payment, Year Three", "documentation": "Amount of benefit for defined benefit plan expected to be paid in third fiscal year following current fiscal year." } } }, "auth_ref": { "r776" } } }, "us-gaap_DefinedBenefitPlanExpectedFutureBenefitPaymentsYearTwo": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DefinedBenefitPlanExpectedFutureBenefitPaymentsYearTwo", "crdr": "credit", "presentation": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansEstimatedFutureBenefitsPaymentsDetails": { "lang": { "en-us": { "role": { "terseLabel": "2026", "label": "Defined Benefit Plan, Expected Future Benefit Payment, Year Two", "documentation": "Amount of benefit for defined benefit plan expected to be paid in second fiscal year following current fiscal year." } } }, "auth_ref": { "r776" } } }, "us-gaap_DefinedBenefitPlanExpectedFutureEmployerContributionsNextFiscalYear": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DefinedBenefitPlanExpectedFutureEmployerContributionsNextFiscalYear", "crdr": "debit", "presentation": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Expected contribution to defined benefit plans in fiscal 2023", "label": "Defined Benefit Plan, Expected Future Employer Contributions, Next Fiscal Year", "documentation": "Amount of contribution expected to be received by defined benefit plan from employer in next fiscal year following current fiscal year." } } }, "auth_ref": { "r777", "r1433" } } }, "us-gaap_DefinedBenefitPlanExpectedReturnOnPlanAssets": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DefinedBenefitPlanExpectedReturnOnPlanAssets", "crdr": "credit", "calculation": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansSummaryofNetBenefitCostDetails": { "parentTag": "hpe_DefinedBenefitPlanNetPeriodicBenefitCostBeforeSettlementsAndCurtailments", "weight": 1.0, "order": 2.0 } }, "presentation": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansSummaryofNetBenefitCostDetails": { "lang": { "en-us": { "role": { "negatedLabel": "Expected return on plan assets", "label": "Defined Benefit Plan, Expected Return (Loss) on Plan Assets", "documentation": "Amount of expected return (loss) recognized in net periodic benefit (cost) credit, calculated based on expected long-term rate of return and market-related value of plan assets of defined benefit plan." } } }, "auth_ref": { "r744", "r781", "r807", "r1432", "r1433" } } }, "us-gaap_DefinedBenefitPlanFairValueOfPlanAssets": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DefinedBenefitPlanFairValueOfPlanAssets", "crdr": "debit", "presentation": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansChangesinFairValueMeasurementssofLevel3InvestmentsfortheNonUSDefinedBenefitPlansDetails": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansFairValueofNonUSDefinedBenefitPlanAssetsbyAssetCategoryWithintheFairValueHierarchyDetails": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansFundedStatusofPlansDetails": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansNarrativeDetails": { "lang": { "en-us": { "role": { "verboseLabel": "Fair value of plan assets", "periodStartLabel": "Fair value - beginning of year", "periodEndLabel": "Fair valueu2014end of year", "label": "Defined Benefit Plan, Plan Assets, Amount", "documentation": "Amount of asset segregated and restricted to provide benefit under defined benefit plan. Asset includes, but is not limited to, stock, bond, other investment, earning from investment, and contribution by employer and employee." } } }, "auth_ref": { "r756", "r767", "r769", "r770", "r1430", "r1431", "r1432" } } }, "us-gaap_DefinedBenefitPlanForeignCurrencyExchangeRateChangesBenefitObligation": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DefinedBenefitPlanForeignCurrencyExchangeRateChangesBenefitObligation", "crdr": "credit", "presentation": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansFundedStatusofPlansDetails": { "lang": { "en-us": { "role": { "terseLabel": "Currency impact", "label": "Defined Benefit Plan, Benefit Obligation, Foreign Currency Translation Gain (Loss)", "documentation": "Amount of foreign currency translation gain (loss) which (increases) decreases benefit obligation of defined benefit plan." } } }, "auth_ref": { "r751" } } }, "us-gaap_DefinedBenefitPlanFundedStatusOfPlan": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DefinedBenefitPlanFundedStatusOfPlan", "crdr": "debit", "calculation": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansNetAmountsRecognizedfortheDirectPlansinCombinedandConsolidatedBalanceSheetsDetails": { "parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansFundedStatusofPlansDetails": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansNetAmountsRecognizedfortheDirectPlansinCombinedandConsolidatedBalanceSheetsDetails": { "lang": { "en-us": { "role": { "terseLabel": "Funded (unfunded) Status of Plan", "totalLabel": "Funded status at end of year", "label": "Defined Benefit Plan, Funded (Unfunded) Status of Plan", "documentation": "Amount of funded (unfunded) status of defined benefit plan, measured as difference between fair value of plan assets and benefit obligation. Includes, but is not limited to, overfunded (underfunded) status." } } }, "auth_ref": { "r742", "r765", "r1432" } } }, "hpe_DefinedBenefitPlanImpactOfAssumptionsUsedCalculatingNetPeriodicBenefitCostAbstract": { "xbrltype": "stringItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "DefinedBenefitPlanImpactOfAssumptionsUsedCalculatingNetPeriodicBenefitCostAbstract", "presentation": { "http://www.hpe.com/role/OverviewandSummaryofSignificantAccountingPoliciesImpactofWeightedAverageAssumptionsonNetPeriodicBenefitCostsDetails": { "lang": { "en-us": { "role": { "terseLabel": "Change in Net Periodic Benefit Cost", "label": "Defined Benefit Plan, Impact of Assumptions Used Calculating Net Periodic Benefit Cost [Abstract]", "documentation": "Defined Benefit Plan, Impact of Assumptions Used Calculating Net Periodic Benefit Cost" } } }, "auth_ref": { "r777" } } }, "hpe_DefinedBenefitPlanImpactOfAssumptionsUsedCalculatingNetPeriodicBenefitCostBasisPointsAbstract": { "xbrltype": "stringItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "DefinedBenefitPlanImpactOfAssumptionsUsedCalculatingNetPeriodicBenefitCostBasisPointsAbstract", "presentation": { "http://www.hpe.com/role/OverviewandSummaryofSignificantAccountingPoliciesImpactofWeightedAverageAssumptionsonNetPeriodicBenefitCostsDetails": { "lang": { "en-us": { "role": { "terseLabel": "Change in basis points", "label": "Defined Benefit Plan, Impact of Assumptions Used Calculating Net Periodic Benefit Cost, Basis Points [Abstract]", "documentation": "Defined Benefit Plan, Impact of Assumptions Used Calculating Net Periodic Benefit Cost, Basis Points" } } }, "auth_ref": { "r777" } } }, "hpe_DefinedBenefitPlanImpactOfAssumptionsUsedCalculatingNetPeriodicBenefitCostDiscountRateAmount": { "xbrltype": "monetaryItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "DefinedBenefitPlanImpactOfAssumptionsUsedCalculatingNetPeriodicBenefitCostDiscountRateAmount", "crdr": "debit", "presentation": { "http://www.hpe.com/role/OverviewandSummaryofSignificantAccountingPoliciesImpactofWeightedAverageAssumptionsonNetPeriodicBenefitCostsDetails": { "lang": { "en-us": { "role": { "terseLabel": "Discount rate", "label": "Defined Benefit Plan, Impact of Assumptions Used Calculating Net Periodic Benefit Cost, Discount Rate, Amount", "documentation": "Defined Benefit Plan, Assumptions Used Calculating Net Periodic Benefit Cost, Discount Rate, Amount" } } }, "auth_ref": { "r777" } } }, "hpe_DefinedBenefitPlanImpactOfAssumptionsUsedCalculatingNetPeriodicBenefitCostDiscountRateBasisPoints": { "xbrltype": "decimalItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "DefinedBenefitPlanImpactOfAssumptionsUsedCalculatingNetPeriodicBenefitCostDiscountRateBasisPoints", "presentation": { "http://www.hpe.com/role/OverviewandSummaryofSignificantAccountingPoliciesImpactofWeightedAverageAssumptionsonNetPeriodicBenefitCostsDetails": { "lang": { "en-us": { "role": { "terseLabel": "Discount rate", "label": "Defined Benefit Plan, Impact of Assumptions Used Calculating Net Periodic Benefit Cost, Discount Rate, Basis Points", "documentation": "Defined Benefit Plan, Impact of Assumptions Used Calculating Net Periodic Benefit Cost, Discount Rate, Basis Points" } } }, "auth_ref": { "r777" } } }, "hpe_DefinedBenefitPlanImpactOfAssumptionsUsedCalculatingNetPeriodicBenefitCostExpectedIncreaseInCompensationAmount": { "xbrltype": "monetaryItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "DefinedBenefitPlanImpactOfAssumptionsUsedCalculatingNetPeriodicBenefitCostExpectedIncreaseInCompensationAmount", "crdr": "debit", "presentation": { "http://www.hpe.com/role/OverviewandSummaryofSignificantAccountingPoliciesImpactofWeightedAverageAssumptionsonNetPeriodicBenefitCostsDetails": { "lang": { "en-us": { "role": { "terseLabel": "Expected increase in compensation levels", "label": "Defined Benefit Plan, Impact of Assumptions Used Calculating Net Periodic Benefit Cost, Expected Increase in Compensation, Amount", "documentation": "Defined Benefit Plan, Impact of Assumptions Used Calculating Net Periodic Benefit Cost, Expected Increase in Compensation, Amount" } } }, "auth_ref": { "r777" } } }, "hpe_DefinedBenefitPlanImpactOfAssumptionsUsedCalculatingNetPeriodicBenefitCostExpectedIncreaseInCompensationBasisPoints": { "xbrltype": "decimalItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "DefinedBenefitPlanImpactOfAssumptionsUsedCalculatingNetPeriodicBenefitCostExpectedIncreaseInCompensationBasisPoints", "presentation": { "http://www.hpe.com/role/OverviewandSummaryofSignificantAccountingPoliciesImpactofWeightedAverageAssumptionsonNetPeriodicBenefitCostsDetails": { "lang": { "en-us": { "role": { "terseLabel": "Expected increase in compensation levels", "label": "Defined Benefit Plan, Impact of Assumptions Used Calculating Net Periodic Benefit Cost, Expected Increase in Compensation, Basis Points", "documentation": "Defined Benefit Plan, Impact of Assumptions Used Calculating Net Periodic Benefit Cost, Expected Increase in Compensation, Basis Points" } } }, "auth_ref": { "r777" } } }, "hpe_DefinedBenefitPlanImpactOfAssumptionsUsedCalculatingNetPeriodicBenefitCostExpectedReturnOnPlanAssetsAmount": { "xbrltype": "monetaryItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "DefinedBenefitPlanImpactOfAssumptionsUsedCalculatingNetPeriodicBenefitCostExpectedReturnOnPlanAssetsAmount", "crdr": "debit", "presentation": { "http://www.hpe.com/role/OverviewandSummaryofSignificantAccountingPoliciesImpactofWeightedAverageAssumptionsonNetPeriodicBenefitCostsDetails": { "lang": { "en-us": { "role": { "terseLabel": "Expected long-term return on plan assets", "label": "Defined Benefit Plan, Impact of Assumptions Used Calculating Net Periodic Benefit Cost, Expected Return on Plan Assets, Amount", "documentation": "Defined Benefit Plan, Impact of Assumptions Used Calculating Net Periodic Benefit Cost, Expected Return on Plan Assets, Amount" } } }, "auth_ref": { "r777" } } }, "hpe_DefinedBenefitPlanImpactOfAssumptionsUsedCalculatingNetPeriodicBenefitCostExpectedReturnOnPlanAssetsBasisPoints": { "xbrltype": "decimalItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "DefinedBenefitPlanImpactOfAssumptionsUsedCalculatingNetPeriodicBenefitCostExpectedReturnOnPlanAssetsBasisPoints", "presentation": { "http://www.hpe.com/role/OverviewandSummaryofSignificantAccountingPoliciesImpactofWeightedAverageAssumptionsonNetPeriodicBenefitCostsDetails": { "lang": { "en-us": { "role": { "terseLabel": "Expected long-term return on plan assets", "label": "Defined Benefit Plan, Impact of Assumptions Used Calculating Net Periodic Benefit Cost, Expected Return on Plan Assets, Basis Points", "documentation": "Defined Benefit Plan, Impact of Assumptions Used Calculating Net Periodic Benefit Cost, Expected Return on Plan Assets, Basis Points" } } }, "auth_ref": { "r777" } } }, "us-gaap_DefinedBenefitPlanInterestCost": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DefinedBenefitPlanInterestCost", "crdr": "debit", "calculation": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansSummaryofNetBenefitCostDetails": { "parentTag": "hpe_DefinedBenefitPlanNetPeriodicBenefitCostBeforeSettlementsAndCurtailments", "weight": 1.0, "order": 1.0 } }, "presentation": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansSummaryofNetBenefitCostDetails": { "lang": { "en-us": { "role": { "terseLabel": "Interest cost", "label": "Defined Benefit Plan, Interest Cost", "documentation": "Amount of cost recognized for passage of time related to defined benefit plan." } } }, "auth_ref": { "r744", "r749" } } }

"r780", "r806", "r1432", "r1433" } }, "us-gaap_DefinedBenefitPlanNetPeriodicBenefitCost": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DefinedBenefitPlanNetPeriodicBenefitCost", "crdr": "debit", "calculation": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansSummaryofNetBenefitCostDetails": { "parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansSummaryofNetBenefitCostDetails": { "lang": { "en-us": { "role": { "totalLabel": "Total net benefit cost (credit)", "label": "Defined Benefit Plan, Net Periodic Benefit Cost (Credit)", "documentation": "Amount of net periodic benefit cost (credit) for defined benefit plan." } } }, "auth_ref": { "r778", "r804", "r1432", "r1433" } }, "us-gaap_DefinedBenefitPlanNetPeriodicBenefitCostAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DefinedBenefitPlanNetPeriodicBenefitCostAbstract", "presentation": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansSummaryofNetBenefitCostDetails": { "lang": { "en-us": { "role": { "terseLabel": "Net benefit (credit) cost", "label": "Defined Benefit Plan, Net Periodic Benefit Cost (Credit) [Abstract]" } } }, "auth_ref": { } }, "hpe_DefinedBenefitPlanNetPeriodicBenefitCostBeforeSettlementsAndCurtailments": { "xbrltype": "monetaryItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "DefinedBenefitPlanNetPeriodicBenefitCostBeforeSettlementsAndCurtailments", "crdr": "debit", "calculation": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansSummaryofNetBenefitCostDetails": { "parentTag": "us-gaap_DefinedBenefitPlanNetPeriodicBenefitCost", "weight": 1.0, "order": 1.0 } }, "presentation": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansSummaryofNetBenefitCostDetails": { "lang": { "en-us": { "role": { "totalLabel": "Net periodic benefit cost (credit)", "label": "Defined Benefit Plan Net Periodic Benefit Cost before Settlements and Curtailments", "documentation": "The total amount of net periodic benefit cost (credit) for defined benefit plans for the period, before gain or loss due to settlements or curtailments." } } }, "auth_ref": { } }, "us-gaap_DefinedBenefitPlanPensionPlanWithProjectedBenefitObligationInExcessOfPlanAssetsPlanAssets": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DefinedBenefitPlanPensionPlanWithProjectedBenefitObligationInExcessOfPlanAssetsPlanAssets", "crdr": "debit", "presentation": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansDirectDefinedBenefitPlansWithProjectedBenefitObligationsExceedingtheFairValueofPlanAssetsDetails": { "lang": { "en-us": { "role": { "terseLabel": "Aggregate fair value of plan assets", "label": "Defined Benefit Plan, Pension Plan with Projected Benefit Obligation in Excess of Plan Assets, Plan Assets", "documentation": "Amount of plan asset for defined benefit pension plan with projected benefit obligation in excess of plan assets." } } }, "auth_ref": { "r801", "r1432" } }, "us-gaap_DefinedBenefitPlanPensionPlanWithProjectedBenefitObligationInExcessOfPlanAssetsProjectedBenefitObligation": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DefinedBenefitPlanPensionPlanWithProjectedBenefitObligationInExcessOfPlanAssetsProjectedBenefitObligation", "crdr": "credit", "presentation": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansDirectDefinedBenefitPlansWithProjectedBenefitObligationsExceedingtheFairValueofPlanAssetsDetails": { "lang": { "en-us": { "role": { "terseLabel": "Aggregate projected benefit obligation", "label": "Defined Benefit Plan, Pension Plan with Projected Benefit Obligation in Excess of Plan Assets, Projected Benefit Obligation", "documentation": "Amount of projected benefit obligation for defined benefit pension plan with projected benefit obligation in excess of plan assets." } } }, "auth_ref": { "r801", "r1432" } }, "us-gaap_DefinedBenefitPlanPensionPlansWithAccumulatedBenefitObligationsInExcessOfPlanAssetsAggregateAccumulatedBenefitObligation": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DefinedBenefitPlanPensionPlansWithAccumulatedBenefitObligationsInExcessOfPlanAssetsAggregateAccumulatedBenefitObligation", "crdr": "credit", "presentation": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansDirectDefinedBenefitPlansWithAccumulatedBenefitObligationsExceedingtheFairValueofPlanAssetsDetails": { "lang": { "en-us": { "role": { "terseLabel": "Aggregate accumulated benefit obligation", "label": "Defined Benefit Plan, Plan with Accumulated Benefit Obligation in Excess of Plan Assets, Accumulated Benefit Obligation", "documentation": "Amount of accumulated benefit obligation for defined benefit plan with accumulated benefit obligation in excess of plan assets." } } }, "auth_ref": { "r801", "r802", "r1432" } }, "us-gaap_DefinedBenefitPlanPensionPlansWithAccumulatedBenefitObligationsInExcessOfPlanAssetsAggregateFairValueOfPlanAssets": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DefinedBenefitPlanPensionPlansWithAccumulatedBenefitObligationsInExcessOfPlanAssetsAggregateFairValueOfPlanAssets", "crdr": "debit", "presentation": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansDirectDefinedBenefitPlansWithAccumulatedBenefitObligationsExceedingtheFairValueofPlanAssetsDetails": { "lang": { "en-us": { "role": { "terseLabel": "Aggregate fair value of plan assets", "label": "Defined Benefit Plan, Plan with Accumulated Benefit Obligation in Excess of Plan Assets, Plan Assets", "documentation": "Amount of plan asset for defined benefit plan with accumulated benefit obligation in excess of plan assets." } } }, "auth_ref": { "r801", "r802", "r1432" } }, "us-gaap_DefinedBenefitPlanPlanAmendments": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DefinedBenefitPlanPlanAmendments", "crdr": "credit", "presentation": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansFundedStatusofPlansDetails": { "lang": { "en-us": { "role": { "terseLabel": "Plan amendments", "label": "Defined Benefit Plan, Benefit Obligation, Increase (Decrease) for Plan Amendment", "documentation": "Amount of increase (decrease) in benefit obligation of defined benefit plan from change in terms of existing plan or initiation of new plan." } } }, "auth_ref": { "r753" } }, "us-gaap_DefinedBenefitPlanPlanAssetsAllocationLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DefinedBenefitPlanPlanAssetsAllocationLineItems", "presentation": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansDirectDefinedBenefitPlansWithAccumulatedBenefitObligationsExceedingtheFairValueofPlanAssetsDetails": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansDirectDefinedBenefitPlansWithProjectedBenefitObligationsExceedingtheFairValueofPlanAssetsDetails": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansEstimatedFutureBenefitsPaymentsDetails": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansPreTaxNetActuarialLossandPriorServiceBenefitRecognizedinAccumulatedOtherComprehensiveLossfortheD": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansWeightedAverageTargetandActualAssetAllocationsAcrossNonUSDefinedBenefitPlansDetails": { "lang": { "en-us": { "role": { "terseLabel": "Defined Benefit Plan, Plan Assets, Allocation [Line Items]", "label": "Defined Benefit Plan, Plan Assets, Allocation [Line Items]", "documentation": "Line items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table." } } }, "auth_ref": { "r766", "r1432" } }, "us-gaap_DefinedBenefitPlanPlanAssetsAllocationTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DefinedBenefitPlanPlanAssetsAllocationTable", "presentation": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansDirectDefinedBenefitPlansWithAccumulatedBenefitObligationsExceedingtheFairValueofPlanAssetsDetails": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansDirectDefinedBenefitPlansWithProjectedBenefitObligationsExceedingtheFairValueofPlanAssetsDetails": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansEstimatedFutureBenefitsPaymentsDetails": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansPreTaxNetActuarialLossandPriorServiceBenefitRecognizedinAccumulatedOtherComprehensiveLossfortheD": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansWeightedAverageTargetandActualAssetAllocationsAcrossNonUSDefinedBenefitPlansDetails": { "lang": { "en-us": { "role": { "terseLabel": "Defined Benefit Plan, Plan Assets, Allocation [Table]", "label": "Defined Benefit Plan, Plan Assets, Allocation [Table]", "documentation": "Disclosure of information about investment allocation of defined benefit plan assets. Includes, but is not limited to, investment allocation percentage or range of percentages." } } }, "auth_ref": { "r766", "r1432" } }, "us-gaap_DefinedBenefitPlanPlanAssetsBenefitsPaid": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DefinedBenefitPlanPlanAssetsBenefitsPaid", "crdr": "credit", "presentation": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansFundedStatusofPlansDetails": { "lang": { "en-us": { "role": { "negatedLabel": "Benefits paid", "label": "Defined Benefit Plan, Plan Assets, Benefits Paid", "documentation": "Amount of payment to participant under defined benefit plan which decreases plan assets. For pension plan, payment includes, but is not limited to, pension benefits and death benefits. For other postretirement plan, payment includes, but is not limited to, prescription drug benefits, health care benefits, life insurance benefits, and legal, educational and advisory services." } } }, "auth_ref": { "r761", "r1814" } }, "us-gaap_DefinedBenefitPlanPlanAssetsContributionsByPlanParticipant": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DefinedBenefitPlanPlanAssetsContributionsByPlanParticipant", "crdr": "debit", "presentation": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansFundedStatusofPlansDetails": { "lang": { "en-us": { "role": { "terseLabel": "Participant contributions", "label": "Defined Benefit Plan, Plan Assets, Contributions by Plan Participant", "documentation": "Amount of contributions received by defined benefit plan from participant which increases plan assets." } } }, "auth_ref": { "r760" } }, "hpe_DefinedBenefitPlanPlanAssetsEquityExposure": { "xbrltype": "monetaryItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "DefinedBenefitPlanPlanAssetsEquityExposure", "crdr": "debit", "presentation": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansFairValueofNonUSDefinedBenefitPlanAssetsbyAssetCategoryWithintheFairValueHierarchyDetails": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Defined benefit plan, plan assets, equity exposure", "label": "Defined Benefit Plan, Plan Assets, Equity Exposure", "documentation": "Defined Benefit Plan, Plan Assets, Equity Exposure" } } }, "auth_ref": { } }, "us-gaap_DefinedBenefitPlanPlanAssetsForeignCurrencyTranslationGainLoss": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DefinedBenefitPlanPlanAssetsForeignCurrencyTranslationGainLoss", "crdr": "credit", "presentation": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansFundedStatusofPlansDetails": { "lang": { "en-us": { "role": { "terseLabel": "Currency impact", "label": "Defined Benefit Plan, Plan Assets, Foreign Currency Translation Gain (Loss)", "documentation": "Amount of foreign currency translation gain (loss) which increases (decreases) plan assets of defined benefit plan." } } }, "auth_ref": { "r758" } }, "hpe_DefinedBenefitPlanPlanAssetsIncreaseDecreaseFromReimbursementOfBenefitPayments": { "xbrltype": "monetaryItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "DefinedBenefitPlanPlanAssetsIncreaseDecreaseFromReimbursementOfBenefitPayments", "crdr": "debit", "presentation": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansFundedStatusofPlansDetails": { "lang": { "en-us": { "role": { "terseLabel": "Reimbursement of benefit payments", "label": "Defined Benefit Plan, Plan Assets, Increase (Decrease) From Reimbursement Of Benefit Payments", "documentation": "Defined Benefit Plan, Plan Assets, Increase (Decrease) From Reimbursement Of Benefit Payments" } } }, "auth_ref": { } }, "hpe_DefinedBenefitPlanPlanAssetsLevel3ReconciliationMeasurementInput": { "xbrltype": "percentItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "DefinedBenefitPlanPlanAssetsLevel3ReconciliationMeasurementInput", "presentation": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansFairValueofNonUSDefinedBenefitPlanAssetsbyAssetCategoryWithintheFairValueHierarchyDetails": { "lang": { "en-us": { "role": { "terseLabel": "Measurement inputs", "label": "Defined Benefit Plan, Plan Assets Level 3 Reconciliation, Measurement Input", "documentation": "Defined Benefit Plan, Plan Assets Level 3 Reconciliation, Measurement Input" } } }, "auth_ref": { } }, "us-gaap_DefinedBenefitPlanPlanAssetsTargetAllocationPercentage": { "xbrltype": "percentItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DefinedBenefitPlanPlanAssetsTargetAllocationPercentage", "presentation": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansNarrativeDetails": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansWeightedAverageTargetandActualAssetAllocationsAcrossNonUSDefinedBenefitPlansDetails": { "lang": { "en-us": { "role": { "terseLabel": "Target Allocation", "label": "Defined Benefit Plan, Plan Assets, Target Allocation, Percentage", "documentation": "Percentage of target investment allocation to total plan assets. Includes, but is not limited to, percentage on weighted-average basis if more than one plan." } } }, "auth_ref": { "r766", "r1432" } }, "us-gaap_DefinedBenefitPlanPurchasesSalesAndSettlements": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DefinedBenefitPlanPurchasesSalesAndSettlements", "crdr": "debit", "presentation": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansChangesinFairValueMeasurementssofLevel3InvestmentsfortheNonUSDefinedBenefitPlansDetails": { "lang": { "en-us": { "role": { "terseLabel": "Purchases, sales, and settlements", "label": "Defined Benefit Plan, Plan Assets Level 3 Reconciliation, Increase (Decrease) for Purchase, Sale, and Settlement", "documentation": "Amount, measured using unobservable input, of increase (decrease) in plan asset of defined benefit plan from purchase, sale and settlement of trade associated with underlying investment." } } }, "auth_ref": { "r772", "r1432" } }, "us-gaap_DefinedBenefitPlanRealEstateMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DefinedBenefitPlanRealEstateMember", "presentation": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansChangesinFairValueMeasurementssofLevel3InvestmentsfortheNonUSDefinedBenefitPlansDetails": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansFairValueofNonUSDefinedBenefitPlanAssetsbyAssetCategoryWithintheFairValueHierarchyDetails": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansWeightedAverageTargetandActualAssetAllocationsAcrossNonUSDefinedBenefitPlansDetails": { "lang": { "en-us": { "role": { "terseLabel": "Real Estate Funds", "verboseLabel": "Real Estate and other", "label": "Employee Benefit Plan, Real Estate [Member]", "documentation": "Property composed of building, land, and land improvement, in which employee benefit plan asset is invested." } } }, "auth_ref": { "r1430", "r1432" } }, "us-gaap_DefinedBenefitPlanServiceCost": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DefinedBenefitPlanServiceCost", "crdr": "debit", "calculation": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansSummaryofNetBenefitCostDetails": { "parentTag": "hpe_DefinedBenefitPlanNetPeriodicBenefitCostBeforeSettlementsAndCurtailments", "weight": 1.0, "order": 5.0 } }, "presentation": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansFundedStatusofPlansDetails": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansSummaryofNetBenefitCostDetails": { "lang": { "en-us": { "role": { "terseLabel": "Service cost", "label": "Defined Benefit Plan, Service Cost", "documentation": "Amount of cost for actuarial present value of benefits attributed to service rendered by employee for defined benefit

plan." } } }, "auth_ref": { "r746", "r779", "r805", "r1432", "r1433" } }, "us-gaap_DefinedBenefitPlanSettlementsBenefitObligation": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DefinedBenefitPlanSettlementsBenefitObligation", "crdr": "debit", "presentation": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansFundedStatusofPlansDetails": { "lang": { "en-us": { "role": { "negatedLabel": "Settlement", "label": "Defined Benefit Plan, Benefit Obligation, (Increase) Decrease for Settlement", "documentation": "Amount of (increase) decrease to benefit obligation of defined benefit plan from irrevocable action relieving primary responsibility for benefit obligation and eliminating risk for obligation and assets used to effect settlement. Includes, but is not limited to, lump-sum cash payment to participant in exchange for right to receive specified benefits, purchase of nonparticipating annuity contract and change from remeasurement." } } }, "auth_ref": { "r747" } }, "us-gaap_DefinedBenefitPlanSettlementsPlanAssets": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DefinedBenefitPlanSettlementsPlanAssets", "crdr": "credit", "presentation": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansFundedStatusofPlansDetails": { "lang": { "en-us": { "role": { "negatedLabel": "Settlement", "label": "Defined Benefit Plan, Plan Assets, Payment for Settlement", "documentation": "Amount of payment, which decreases plan assets of defined benefit plan, for irrevocable action relieving primary responsibility for benefit obligation and eliminating risk for obligation and assets used to effect settlement. Transaction constituting settlement includes, but is not limited to, making lump-sum cash payment to participant in exchange for their rights to receive specified benefits and purchasing nonparticipating annuity contract." } } }, "auth_ref": { "r764" } }, "us-gaap_DefinedBenefitPlanSpecialTerminationBenefits": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DefinedBenefitPlanSpecialTerminationBenefits", "crdr": "credit", "presentation": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansFundedStatusofPlansDetails": { "lang": { "en-us": { "role": { "terseLabel": "Special termination benefits", "label": "Defined Benefit Plan, Benefit Obligation, Special and Contractual Termination Benefits", "documentation": "Amount of increase in benefit obligation for benefits provided to employees payable from defined benefit plan or payable upon retirement." } } }, "auth_ref": { "r747" } }, "us-gaap_DefinedBenefitPlanWeightedAverageAssetAllocations": { "xbrltype": "percentItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DefinedBenefitPlanWeightedAverageAssetAllocations", "presentation": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansWeightedAverageTargetandActualAssetAllocationsAcrossNonUSDefinedBenefitPlansDetails": { "en-us": { "role": { "terseLabel": "Plan Assets", "label": "Defined Benefit Plan, Plan Assets, Actual Allocation, Percentage", "documentation": "Percentage of actual investment allocation to total plan assets. Includes, but is not limited to, percentage on weighted-average basis if more than one plan." } } }, "auth_ref": { "r1775" } }, "us-gaap_DefinedBenefitPlansAndOtherPostretirementBenefitPlansDisclosuresTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DefinedBenefitPlansAndOtherPostretirementBenefitPlansDisclosuresTable", "presentation": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansNetAmountsRecognizedfortheDirectPlansinCombinedandConsolidatedBalanceSheetsDetails": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansSummaryofNetBenefitCostDetails": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansWeightedAverageAssumptionsUsedtoCalculatetheProjectedBenefitObligationsforDirectPlansDetails": { "lang": { "en-us": { "role": { "terseLabel": "Schedule of Defined Benefit Plans Disclosures [Table]", "label": "Defined Benefit Plans and Other Postretirement Benefit Plans Disclosures [Table]", "documentation": "Disclosure of information about defined benefit pension plans or other postretirement defined benefit plans. The arrangements are generally based on terms and conditions stipulated by the entity, and which contain a promise by the employer to pay certain amounts or awards at designated future dates, including a period after retirement, upon compliance with stipulated requirements. Excludes disclosures pertaining to defined contribution plans." } } }, "auth_ref": { "r22", "r89", "r90", "r91", "r92" } }, "us-gaap_DefinedBenefitPlansAndOtherPostretirementBenefitPlansTableTextBlockLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DefinedBenefitPlansAndOtherPostretirementBenefitPlansTableTextBlockLineItems", "presentation": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansNetAmountsRecognizedfortheDirectPlansinCombinedandConsolidatedBalanceSheetsDetails": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansWeightedAverageAssumptionsUsedtoCalculatetheProjectedBenefitObligationsforDirectPlansDetails": { "lang": { "en-us": { "role": { "terseLabel": "Other Postretirement Benefit Plans Table Text Block [Line Items]", "label": "Defined Benefit Plans and Other Postretirement Benefit Plans Table Text Block [Line Items]", "documentation": "Line items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table." } } }, "auth_ref": { "us-gaap_DefinedContributionPlanCostRecognized": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DefinedContributionPlanCostRecognized", "crdr": "debit", "presentation": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Total defined contribution expense", "label": "Defined Contribution Plan, Cost", "documentation": "Amount of cost for defined contribution plan." } } }, "auth_ref": { "r817" } }, "us-gaap_DefinedContributionPlanDisclosureLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DefinedContributionPlanDisclosureLineItems", "presentation": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Defined Contribution Plan Disclosure [Line Items]", "label": "Defined Contribution Plan Disclosure [Line Items]", "documentation": "Line items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table." } } }, "auth_ref": { "r817" } }, "us-gaap_DefinedContributionPlanEmployerMatchingContributionPercent": { "xbrltype": "percentItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DefinedContributionPlanEmployerMatchingContributionPercent", "presentation": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Percentage of maximum matching contribution", "label": "Defined Contribution Plan, Employer Matching Contribution, Percent of Employees' Gross Pay", "documentation": "Percentage of employees' gross pay for which the employer contributes a matching contribution to a defined contribution plan." } } }, "auth_ref": { "us-gaap_DefinedContributionPlanEmployerMatchingContributionPercentOfMatch": { "xbrltype": "percentItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DefinedContributionPlanEmployerMatchingContributionPercentOfMatch", "presentation": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansNarrativeDetails": { "lang": { "en-us": { "role": { "verboseLabel": "Percent of equal 401(k) match to employees effective during the period", "label": "Defined Contribution Plan, Employer Matching Contribution, Percent of Match", "documentation": "Percentage employer matches of the employee's percentage contribution matched." } } }, "auth_ref": { "us-gaap_DefinedContributionPlanTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DefinedContributionPlanTable", "presentation": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Defined Contribution Plan [Table]", "label": "Defined Contribution Plan [Table]", "documentation": "Disclosure of information about defined contribution pension plans or defined contribution other postretirement plans, separately for pension plans and other postretirement benefit plans." } } }, "auth_ref": { "r817" } }, "us-gaap_DefinedContributionPlanTaxStatusExtensibleList": { "xbrltype": "enumerationSetItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DefinedContributionPlanTaxStatusExtensibleList", "presentation": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Defined Contribution Plan, Tax Status [Extensible Enumeration]", "label": "Defined Contribution Plan, Tax Status [Extensible Enumeration]", "documentation": "Indicates tax status of defined contribution plan designed to provide retirement benefits." } } }, "auth_ref": { "us-gaap_Depreciation": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "Depreciation", "crdr": "debit", "presentation": { "http://www.hpe.com/role/BalanceSheetDetailsNarrativeDetails": { "http://www.hpe.com/role/BalanceSheetDetailsPropertyPlantandEquipmentDetails": { "lang": { "en-us": { "role": { "terseLabel": "Depreciation expense", "label": "Depreciation", "documentation": "The amount of expense recognized in the current period that reflects the allocation of the cost of tangible assets over the assets' useful lives. Includes production and non-production related depreciation." } } }, "auth_ref": { "r17", "r74" } }, "us-gaap_DepreciationDepletionAndAmortization": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DepreciationDepletionAndAmortization", "crdr": "debit", "calculation": { "http://www.hpe.com/role/ConsolidatedStatementsOfCashFlows": { "parentTag": "us-gaap_NetCashProvidedByUsedInOperatingActivities", "weight": 1.0, "order": 2.0 }, "presentation": { "http://www.hpe.com/role/ConsolidatedStatementsOfCashFlows": { "lang": { "en-us": { "role": { "terseLabel": "Depreciation and amortization", "label": "Depreciation, Depletion and Amortization", "documentation": "The aggregate expense recognized in the current period that allocates the cost of tangible assets, intangible assets, or depleting assets to periods that benefit from use of the assets." } } }, "auth_ref": { "r456", "r470", "r495", "r1406", "r1407" } }, "us-gaap_DerivativeAssetCollateralObligationToReturnCashOffset": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DerivativeAssetCollateralObligationToReturnCashOffset", "crdr": "credit", "calculation": { "http://www.hpe.com/role/FinancialInstrumentsOffsettingAssetsandLiabilitiesDetails": { "parentTag": "us-gaap_DerivativeAssets", "weight": -1.0, "order": 2.0 }, "presentation": { "http://www.hpe.com/role/FinancialInstrumentsOffsettingAssetsandLiabilitiesDetails": { "lang": { "en-us": { "role": { "terseLabel": "Gross Amount Offset", "label": "Derivative Asset, Subject to Master Netting Arrangement, Collateral, Obligation to Return Cash, Offset Against Derivative Asset", "documentation": "Amount of obligation to return cash collateral under master netting arrangements offset against derivative assets." } } }, "auth_ref": { "r19", "r34" } }, "us-gaap_DerivativeAssetFairValueGrossAssetIncludingNotSubjectToMasterNettingArrangement": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DerivativeAssetFairValueGrossAssetIncludingNotSubjectToMasterNettingArrangement", "crdr": "debit", "calculation": { "http://www.hpe.com/role/FinancialInstrumentsOffsettingAssetsandLiabilitiesDetails": { "parentTag": "us-gaap_DerivativeAssets", "weight": 1.0, "order": 1.0 }, "presentation": { "http://www.hpe.com/role/FinancialInstrumentsOffsettingAssetsandLiabilitiesDetails": { "lang": { "en-us": { "role": { "terseLabel": "Gross Amount Recognized", "label": "Derivative Asset, Fair Value, Gross Asset Including Not Subject to Master Netting Arrangement", "documentation": "Fair value, before effects of master netting arrangements, of a financial asset or other contract with one or more underlyings, notional amount or payment provision or both, and the contract can be net settled by means outside the contract or delivery of an asset. Includes assets not subject to a master netting arrangement and elected not to be offset." } } }, "auth_ref": { "r1370", "r1336", "r1337", "r1395" } }, "us-gaap_DerivativeAssetFairValueGrossLiability": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DerivativeAssetFairValueGrossLiability", "crdr": "credit", "calculation": { "http://www.hpe.com/role/FinancialInstrumentsOffsettingAssetsandLiabilitiesDetails": { "parentTag": "us-gaap_DerivativeFairValueOfDerivativeAssetAmountOffsetAgainstCollateral", "weight": -1.0, "order": 2.0 }, "presentation": { "http://www.hpe.com/role/FinancialInstrumentsOffsettingAssetsandLiabilitiesDetails": { "lang": { "en-us": { "role": { "terseLabel": "Derivative Asset, Subject to Master Netting Arrangement, Liability Offset", "label": "Derivative Asset, Subject to Master Netting Arrangement, Liability Offset", "documentation": "Fair value of liability associated with financial asset or other contract with one or more underlyings, notional amount or payment provision or both, and the contract can be net settled by means outside the contract or delivery of an asset." } } }, "auth_ref": { "r34", "r40", "r228", "r229", "r1336", "r1337" } }, "us-gaap_DerivativeAssetStatementOfFinancialPositionExtensibleEnumeration": { "xbrltype": "enumerationSetItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DerivativeAssetStatementOfFinancialPositionExtensibleEnumeration", "presentation": { "http://www.hpe.com/role/FinancialInstrumentsOffsettingAssetsandLiabilitiesDetails": { "lang": { "en-us": { "role": { "terseLabel": "Derivative Asset, Statement of Financial Position [Extensible Enumeration]", "label": "Derivative Asset, Statement of Financial Position [Extensible Enumeration]", "documentation": "Indicates line item in statement of financial position that includes derivative asset." } } }, "auth_ref": { "r950" } }, "us-gaap_DerivativeAssets": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DerivativeAssets", "crdr": "debit", "calculation": { "http://www.hpe.com/role/FinancialInstrumentsOffsettingAssetsandLiabilitiesDetails": { "parentTag": "us-gaap_DerivativeFairValueOfDerivativeAssetAmountOffsetAgainstCollateral", "weight": 1.0, "order": 1.0 }, "presentation": { "http://www.hpe.com/role/FinancialInstrumentsOffsettingAssetsandLiabilitiesDetails": { "lang": { "en-us": { "role": { "terseLabel": "Net Amount Presented", "label": "Derivative Asset", "documentation": "Fair value, after the effects of master netting arrangements, of a financial asset or other contract with one or more underlyings, notional amount or payment provision or both, and the contract can be net settled by means outside the contract or delivery of an asset. Includes assets not subject to a master netting arrangement and not elected to be offset." } } }, "auth_ref": { "r371", "r374", "r971", "r972", "r982", "r991", "r1209", "r1210", "r1211", "r1213", "r1214", "r1216", "r1217", "r1219", "r1221", "r1222", "r1238", "r1239", "r1331", "r1334", "r1335", "r1336", "r1338", "r1339", "r1395", "r1449", "r1453", "r1484", "r1872", "r1873", "r1874", "r1877", "r1878", "r1879", "r1880", "r1881", "r1882", "r1883", "r1884", "r1885", "r1886", "r1887", "r1888", "r1889", "r1890", "r1891", "r1892", "r1893", "r1894", "r1895", "r1896", "r1897", "r1898", "r1899", "r1900", "r1901", "r1902", "r1903", "r1904", "r1905", "r1906", "r1907", "r1908", "r1909", "r1910", "r1911", "r1912", "r1913", "r1914", "r1915", "r1916", "r1917", "r1918", "r1919", "r1920", "r1921", "r1922", "r1923", "r1924", "r1925", "r1926", "r1927", "r1928", "r1929", "r1930", "r1931", "r1932", "r1933", "r1934", "r1935", "r1936", "r1937", "r1938", "r1939", "r1940", "r1941", "r1942", "r1943", "r1944", "r1945", "r1946", "r1947", "r1948", "r1949", "r1950", "r1951", "r1952", "r1953", "r1954", "r1955", "r1956", "r1957", "r1958", "r1959", "r1960", "r1961", "r1962", "r1963", "r1964", "r1965", "r1966", "r1967", "r1968", "r1969", "r1970", "r1971", "r1972", "r1973", "r1974", "r1975", "r1976", "r1977", "r1978", "r1979", "r1980", "r1981", "r1982", "r1983", "r1984", "r1985", "r1986", "r1987", "r1988", "r1989", "r1990", "r1991", "r1992", "r1993", "r1994", "r1995", "r1996", "r1997", "r1998", "r1999", "r2000", "r2001", "r2002", "r2003", "r2004", "r2005", "r2006", "r2007", "r2008", "r2009", "r2010", "r2011", "r2012", "r2013", "r2014", "r2015", "r2016", "r2017", "r2018", "r2019", "r2020", "r2021", "r2022", "r2023", "r2024", "r2025", "r2026", "r2027", "r2028", "r2029", "r2030", "r2031", "r2032", "r2033", "r2034", "r2035", "r2036", "r2037", "r2038", "r2039", "r2040", "r2041", "r2042", "r2043", "r2044", "r2045", "r2046", "r2047", "r2048", "r2049", "r2050", "r2051", "r2052", "r2053", "r2054", "r2055", "r2056", "r2057", "r2058", "r2059", "r2060", "r2061", "r2062", "r2063", "r2064", "r2065", "r2066", "r2067", "r2068", "r2069", "r2070", "r2071", "r2072", "r2073", "r2074", "r2075", "r2076", "r2077", "r2078", "r2079", "r2080", "r2081", "r2082", "r2083", "r2084", "r2085", "r2086", "r2087", "r2088", "r2089", "r2090", "r2091", "r2092", "r2093", "r2094", "r2095", "r2096", "r2097", "r2098", "r2099", "r2100", "r2101", "r2102", "r2103", "r2104", "r2105", "r2106", "r2107", "r2108", "r2109", "r2110", "r2111", "r2112", "r2113", "r2114", "r2115", "r2116", "r2117", "r2118", "r2119", "r2120", "r2121", "r2122", "r2123", "r2124", "r2125", "r2126", "r2127", "r2128", "r2129", "r2130", "r2131", "r2132", "r2133", "r2134", "r2135", "r2136", "r2137", "r2138", "r2139", "r2140", "r2141", "r2142", "r2143", "r2144", "r2145", "r2146", "r2147", "r2148", "r2149", "r2150", "r2151", "r2152", "r2153", "r2154", "r2155", "r2156", "r2157", "r2158", "r2159", "r2160", "r2161", "r2162", "r2163", "r2164", "r2165", "r2166", "r2167", "r2168", "r2169", "r2170", "r2171", "r2172", "r2173", "r2174", "r2175", "r2176", "r2177", "r2178", "r2179", "r2180", "r2181", "r2182", "r2183", "r2184", "r2185", "r2186", "r2187", "r2188", "r2189", "r2190", "r2191", "r2192", "r2193", "r2194", "r2195", "r2196", "r2197", "r2198", "r2199", "r2200", "r2201", "r2202", "r2203", "r2204", "r2205", "r2206", "r2207", "r2208", "r2209", "r2210", "r2211", "r2212", "r2213", "r2214", "r2215", "r2216", "r2217", "r2218", "r2219", "r2220", "r2221", "r2222", "r2223", "r2224", "r2225", "r2226", "r2227", "r2228", "r2229", "r2230", "r2231", "r2232", "r2233", "r2234", "r2235", "r2236", "r2237", "r2238", "r2239", "r2240", "r2241", "r2242", "r2243", "r2244", "r2245", "r2246", "r2247", "r2248", "r2249", "r2250", "r2251", "r2252", "r2253", "r2254", "r2255", "r2256", "r2257", "r2258", "r2259", "r2260", "r2261", "r2262", "r2263", "r2264", "r2265", "r2266", "r2267", "r2268", "r2269", "r2270", "r2271", "r2272", "r2273", "r2274", "r2275", "r2276", "r2277", "r2278", "r2279", "r2280", "r2281", "r2282", "r2283", "r2284", "r2285", "r2286", "r2287", "r2288", "r2289", "r2290", "r2291", "r2292", "r2293", "r2294", "r2295", "r2296", "r2297", "r2298", "r2299", "r2300", "r2301", "r2302", "r2303", "r2304", "r2305", "r2306", "r2307", "r2308", "r2309", "r2310", "r2311", "r2312", "r2313", "r2314", "r2315", "r2316", "r2317", "r2318", "r2319", "r2320", "r2321", "r2322", "r2323", "r2324", "r2325", "r2326", "r2327", "r2328", "r2329", "r2330", "r2331", "r2332", "r2333", "r2334", "r2335", "r2336", "r2337", "r2338", "r2339", "r2340", "r2341", "r2342", "r2343", "r2344", "r2345", "r2346", "r2347", "r2348", "r2349", "r2350", "r2351", "r2352", "r2353", "r2354", "r2355", "r2356", "r2357", "r2358", "r2359", "r2360", "r2361", "r2362", "r2363", "r2364", "r2365", "r2366", "r2367", "r2368", "r2369", "r2370", "r2371", "r2372", "r2373", "r2374", "r2375", "r2376", "r2377", "r2378", "r2379", "r2380", "r2381", "r2382", "r2383", "r2384", "r2385", "r2386", "r2387", "r2388", "r2389", "r2390", "r2391", "r2392", "r2393", "r2394", "r2395", "r2396", "r2397", "r2398", "r2399", "r2400", "r2401", "r2402", "r2403", "r2404", "r2405", "r2406", "r2407", "r2408", "r2409", "r2410", "r2411", "r2412", "r2413", "r2414", "r2415", "r2416", "r2417", "r2418", "r2419", "r2420", "r2421", "r2422", "r2423", "r2424", "r2425", "r2426", "r2427", "r2428", "r2429", "r2430", "r2431", "r2432", "r2433", "r2434", "r2435", "r2436", "r2437", "r2438", "r2439", "r2440", "r2441", "r2442", "r2443", "r2444", "r2445", "r2446", "r2447", "r2448", "r2449", "r2450", "r2451", "r2452", "r2453", "r2454", "r2455", "r2456", "r2457", "r2458", "r2459", "r2460", "r2461", "r2462", "r2463", "r2464", "r2465", "r2466", "r2467", "r2468", "r2469", "r2470", "r2471", "r2472", "r2473", "r2474", "r2475", "r2476", "r2477", "r2478", "r2479", "r2480", "r2481", "r2482", "r2483", "r2484", "r2485", "r2486", "r2487", "r2488", "r2489", "r2490", "r2491", "r2492", "r2493", "r2494", "r2495", "r2496", "r2497", "r2498", "r2499", "r2500", "r2501", "r2502", "r2503", "r2504", "r2505", "r2506", "r2507", "r2508", "r2509", "r2510", "r2511", "r2512", "r2513", "r2514", "r2515", "r2516", "r2517", "r2518", "r2519", "r2520", "r2521", "r2522", "r2523", "r2524", "r2525", "r2526", "r2527", "r2528", "r2529", "r2530", "r2531", "r2532", "r2533", "r2534", "r2535", "r2536", "r2537", "r2538", "r2539", "r2540", "r2541", "r2542", "r2543", "r2544", "r2545", "r2546", "r2547", "r2548", "r2549", "r2550", "r2551", "r2552", "r2553", "r2554", "r2555", "r2556", "r2557", "r2558", "r2559", "r2560", "r2561", "r2562", "r2563", "r2564", "r2565", "r2566", "r2567", "r2568", "r2569", "r2570", "r2571", "r2572", "r2573", "r2574", "r2575", "r2576", "r2577", "r2578", "r2579", "r2580", "r2581", "r2582", "r2583", "r2584", "r2585", "r2586", "r2587", "r2588", "r2589", "r2590", "r2591", "r2592", "r2593", "r2594", "r2595", "r2596", "r2597", "r2598", "r2599", "r2600", "r2601", "r2602", "r2603", "r2604", "r2605", "r2606", "r2607", "r2608", "r2609", "r2610", "r2611", "r2612", "r2613", "r2614", "r2615", "r2616", "r2617", "r2618", "r2619", "r2620", "r2621", "r2622", "r2623", "r2624", "r2625", "r2626", "r2627", "r2628", "r2629", "r2630", "r2631", "r2632", "r2633", "r2634", "r2635", "r2636", "r2637", "r2638", "r2639", "r2640", "r2641", "r2642", "r2643", "r2644", "r2645", "r2646", "r2647", "r2648", "r2649", "r2650", "r2651", "r2652", "r2653", "r2654", "r2655", "r2656", "r2657", "r2658", "r2659", "r2660", "r2661", "r2662", "r2663", "r2664", "r2665", "r2666", "r2667", "r2668", "r2669", "r2670", "r2671", "r2672", "r2673", "r2674", "r2675", "r2676", "r2677", "r2678", "r2679", "r2680", "r2681", "r2682", "r2683", "r2684", "r2685", "r2686", "r2687", "r2688", "r2689", "r2690", "r2691", "r2692", "r2693", "r2694", "r2695", "r2696", "r2697", "r2698", "r2699", "r2700", "r2701", "r2702", "r2703", "r2704", "r2705", "r2706", "r2707", "r2708", "r2709", "r2710", "r2711", "r2712", "r2713", "r2714", "r2715", "r2716", "r2717", "r2718", "r2719", "r2720", "r2721", "r2722", "r2723", "r2724", "r2725", "r2726", "r2727", "r2728", "r2729", "r2730", "r2731", "r2732", "r2733", "r2734", "r2735", "r2736", "r2737", "r2738", "r2739", "r2740", "r2741", "r2742", "r2743", "r2744", "r2745", "r2746", "r2747", "r2748", "r2749", "r2750", "r2751", "r2752", "r2753", "r2754", "r2755", "r2756", "r2757", "r2758", "r2759", "r2760", "r2761", "r2762", "r2763", "r2764", "r2765", "r2766", "r2767", "r2768", "r2769", "r2770", "r2771", "r2772", "r2773", "r2774", "r2775", "r2776", "r2777", "r2778", "r2779", "r2780", "r2781", "r2782", "r2783", "r2784", "r2785", "r2786", "r2787", "r2788", "r2789", "r2790", "r2791", "r2792", "r2793", "r2794", "r2795", "r2796", "r2797", "r2798", "r2799", "r2800", "r2801", "r2802", "r2803", "r2804", "r2805", "r2806", "r2807", "r2808", "r2809", "r2810", "r2811", "r2812", "r2813", "r2814", "r2815", "r2816", "r2817", "r2818", "r2819", "r2820", "r2821", "r2822", "r2823", "r2824", "r2825", "r2826", "r2827", "r2828", "r2829", "r2830", "r2831", "r2832", "r2833", "r2834", "r2835", "r2836", "r2837", "r2838", "r2839", "r2840", "r2841", "r2842", "r2843", "r2844", "r2845", "r2846", "r2847", "r2848", "r2849", "r2850", "r2851", "r2852", "r2853", "r2854", "r2855", "r2856", "r2857", "r2858", "r2859", "r2860", "r2861", "r2862", "r2863", "r2864", "r2865", "r2866", "r2867", "r2868", "r2869", "r2870", "r2871", "r2872", "r2873", "r2874", "r2875", "r2876", "r2877", "r2878", "r2879", "r2880", "r2881", "r2882", "r2883", "r2884", "r2885", "r2886", "r2887", "r2888", "r2889", "r2890", "r2891", "r2892", "r2893", "r2894", "r2895", "r2896", "r2897", "r2898", "r2899", "r2900", "r2901", "r2902", "r2903", "r2904", "r2905", "r2906", "r2907", "r2908", "r2909", "r2910", "r2911", "r2912", "r2913", "r2914", "r2915", "r2916", "r2917", "r2918", "r2919", "r2920", "r2921", "r2922", "r2923", "r2924", "r2925", "r2926", "r2927", "r2928", "r2929", "r2930", "r2931", "r2932", "r2933", "r2934", "r2935", "r2936", "r2937", "r2938", "r2939", "r2940", "r2941", "r2942", "r2943", "r2944", "r2945", "r2946", "r2947", "r2948", "r2949", "r2950", "r2951", "r2952", "r2953", "r2954", "r2955", "r2956", "r2957", "r2958", "r2959", "r2960", "r2961", "r2962", "r2963", "r2964", "r2965", "r2966", "r2967", "r2968", "r2969", "r2970", "r2971", "r2972", "r2973", "r2974", "r2975", "r2976", "r2977", "r2978", "r2979", "r2980", "r2981", "r2982", "r2983", "r2984", "r2985", "r2986", "r2987", "r2988", "r2989", "r2990", "r2991", "r2992", "r2993", "r2994", "r2995", "r2996",

Offset": "documentation": "Amount of obligation to return cash collateral under master netting arrangements that have not been offset against derivative assets." } } },
"auth_ref": { "r38", "r132", "r372", "r1393" } }, "hpe_DerivativeCollateralPostingPeriod": { "xbrltype": "integerItemType", "nsuri": "http://www.hpe.com/20241031",
"localname": "DerivativeCollateralPostingPeriod", "presentation": { "http://www.hpe.com/role/FinancialInstrumentsNarrativeDetails" } }, "lang": { "en-us": { "role": {
"terseLabel": "General collateral posting period", "label": "Derivative, Collateral Posting Period", "documentation": "Derivative, Collateral Posting Period" } } }, "auth_ref": {
"us-gaap_DerivativeCollateralRightToReclaimCash": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname":
"DerivativeCollateralRightToReclaimCash", "crdr": "debit", "presentation": { "http://www.hpe.com/role/FinancialInstrumentsOffsettingAssetsandLiabilitiesDetails" } }, "lang": {
"en-us": { "role": { "terseLabel": "Derivative Liability, Subject to Master Netting Arrangement, Collateral, Right to Reclaim Cash Not Offset", "label": "Derivative Liability,
Subject to Master Netting Arrangement, Collateral, Right to Reclaim Cash Not Offset", "documentation": "Amount of right to receive cash collateral under master netting
arrangements that have not been offset against derivative liabilities." } } }, "auth_ref": { "r38", "r132", "r372", "r1393" } }, "us-gaap_DerivativeContractTypeDomain": {
"xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DerivativeContractTypeDomain", "presentation": {
"http://www.hpe.com/role/FinancialInstrumentsGrossNotionalandFairValueofInstrumentsintheBalanceSheetsDetails",
"http://www.hpe.com/role/FinancialInstrumentsNarrativeDetails",
"http://www.hpe.com/role/FinancialInstrumentsPretaxEffectofDerivativeInstrumentsinHedgingRelationshipsonOCIDetails",
"http://www.hpe.com/role/FinancialInstrumentsPretaxEffectofDerivativeInstrumentsonStatementofEarningsDetails" } }, "lang": { "en-us": { "role": { "terseLabel": "Derivative
Contract {Domain}", "label": "Derivative Contract {Domain}", "documentation": "Financial instrument or contract with one or more underlyings, notional amount or payment
provision or both, and the contract can be net settled by means outside the contract or delivery of an asset." } } }, "auth_ref": { "r1219", "r1222", "r1237", "r1238", "r1239",
"r1241", "r1242", "r1243", "r1244", "r1247", "r1248", "r1249", "r1250", "r1262", "r1263", "r1264", "r1265", "r1268", "r1269", "r1270", "r1271", "r1331", "r1332", "r1335",
"r1338", "r1482", "r1484", "r1875", "r1876", "r1877", "r1878", "r1879", "r1880", "r1882", "r1883" } }, "us-gaap_DerivativeFairValueOfDerivativeAsset": { "xbrltype":
"monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DerivativeFairValueOfDerivativeAsset", "crdr": "debit", "presentation": {
"http://www.hpe.com/role/FinancialInstrumentsGrossNotionalandFairValueofInstrumentsintheBalanceSheetsDetails" } }, "lang": { "en-us": { "role": { "terseLabel": "Derivative
asset, fair value", "label": "Derivative Asset, Subject to Master Netting Arrangement, before Offset", "documentation": "Fair value, before effects of master netting
arrangements, of a financial asset or other contract with one or more underlyings, notional amount or payment provision or both, and the contract can be net settled by means
outside the contract or delivery of an asset. Includes assets elected not to be offset. Excludes assets not subject to a master netting arrangement." } } }, "auth_ref": { "r35",
"r171", "r228", "r229", "r370", "r1395" } }, "us-gaap_DerivativeFairValueOfDerivativeAssetAmountOffsetAgainstCollateral": { "xbrltype": "monetaryItemType", "nsuri":
"http://fasb.org/us-gaap/2024", "localname": "DerivativeFairValueOfDerivativeAssetAmountOffsetAgainstCollateral", "crdr": "debit", "calculation": {
"http://www.hpe.com/role/FinancialInstrumentsOffsettingAssetsandLiabilitiesDetails": { "parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": {
"http://www.hpe.com/role/FinancialInstrumentsOffsettingAssetsandLiabilitiesDetails" } }, "lang": { "en-us": { "role": { "totalLabel": "Derivative Asset, Including Not Subject to
Master Netting Arrangement, after Offset and Deduction, Total", "label": "Derivative Asset, Including Not Subject to Master Netting Arrangement, after Offset and Deduction",
"documentation": "Fair value, after effect of master netting arrangement and deduction of obligation to return financial collateral not offset and financial instrument subject
to master netting arrangement not offset, of financial asset or other contract with one or more underlyings, notional amount or payment provision or both, and contract can
be net settled by means outside contract or delivery of asset. Includes derivative not subject to master netting arrangement or similar agreement." } } }, "auth_ref": { "r38",
"r131" } }, "hpe_DerivativeFairValueOfDerivativeAssetGrossAmountsNotOffsetAbstract": { "xbrltype": "stringItemType", "nsuri": "http://www.hpe.com/20241031", "localname":
"DerivativeFairValueOfDerivativeAssetGrossAmountsNotOffsetAbstract", "presentation": {
"http://www.hpe.com/role/FinancialInstrumentsOffsettingAssetsandLiabilitiesDetails" } }, "lang": { "en-us": { "role": { "terseLabel": "Derivative Fair Value of Derivative Asset
Gross Amounts not Offset {Abstract}", "label": "Derivative Fair Value of Derivative Asset Gross Amounts not Offset {Abstract}" } } }, "auth_ref": { } },
"hpe_DerivativeFairValueOfDerivativeLiabilitiesGrossAmountsNotOffsetAbstract": { "xbrltype": "stringItemType", "nsuri": "http://www.hpe.com/20241031", "localname":
"DerivativeFairValueOfDerivativeLiabilitiesGrossAmountsNotOffsetAbstract", "presentation": {
"http://www.hpe.com/role/FinancialInstrumentsOffsettingAssetsandLiabilitiesDetails" } }, "lang": { "en-us": { "role": { "terseLabel": "Derivative Fair Value of Derivative
Liabilities Gross Amounts not Offset {Abstract}", "label": "Derivative Fair Value of Derivative Liabilities Gross Amounts not Offset {Abstract}" } } }, "auth_ref": { } }, "us-
gaap_DerivativeFairValueOfDerivativeLiability": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname":
"DerivativeFairValueOfDerivativeLiability", "crdr": "credit", "presentation": {
"http://www.hpe.com/role/FinancialInstrumentsGrossNotionalandFairValueofInstrumentsintheBalanceSheetsDetails" } }, "lang": { "en-us": { "role": { "terseLabel": "Derivative
liability, fair value", "label": "Derivative Liability, Subject to Master Netting Arrangement, before Offset", "documentation": "Fair value, before effects of master netting
arrangements, of a financial liability or contract with one or more underlyings, notional amount or payment provision or both, and the contract can be net settled by means
outside the contract or delivery of an asset. Includes liabilities elected not to be offset. Excludes liabilities not subject to a master netting arrangement." } } }, "auth_ref": {
"r35", "r171", "r228", "r229", "r370", "r1395" } }, "us-gaap_DerivativeFairValueOfDerivativeLiabilityAmountOffsetAgainstCollateral": { "xbrltype": "monetaryItemType",
"nsuri": "http://fasb.org/us-gaap/2024", "localname": "DerivativeFairValueOfDerivativeLiabilityAmountOffsetAgainstCollateral", "crdr": "credit", "presentation": {
"http://www.hpe.com/role/FinancialInstrumentsOffsettingAssetsandLiabilitiesDetails" } }, "lang": { "en-us": { "role": { "terseLabel": "Derivative Liability, Including Not Subject
to Master Netting Arrangement, after Offset and Deduction", "label": "Derivative Liability, Including Not Subject to Master Netting Arrangement, after Offset and Deduction",
"documentation": "Fair value, after effect of master netting arrangement and deduction of obligation to return financial collateral not offset and financial instrument subject
to master netting arrangement not offset, of financial liability or contract with one or more underlyings, notional amount or payment provision or both, and contract can be
net settled by means outside contract or delivery of asset. Includes derivative not subject to master netting arrangement or similar agreement." } } }, "auth_ref": { "r38",
"r131" } }, "us-gaap_DerivativeGainLossOnDerivativeNet": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname":
"DerivativeGainLossOnDerivativeNet", "crdr": "credit", "calculation": {
"http://www.hpe.com/role/FinancialInstrumentsPretaxEffectofDerivativeInstrumentsonStatementofEarningsDetails": { "parentTag": null, "weight": null, "order": null, "root":
true } }, "presentation": { "http://www.hpe.com/role/FinancialInstrumentsPretaxEffectofDerivativeInstrumentsonStatementofEarningsDetails" } }, "lang": { "en-us": { "role": {
"totalLabel": "Derivative, Gain (Loss) on Derivative, Net, Total", "label": "Derivative, Gain (Loss) on Derivative, Net", "documentation": "Amount of increase (decrease) in the
fair value of derivatives recognized in the income statement." } } }, "auth_ref": { "r1865" } }, "us-
gaap_DerivativeGainLossStatementOfIncomeOrComprehensiveIncomeExtensibleEnumeration": { "xbrltype": "enumerationSetItemType", "nsuri": "http://fasb.org/us-
gaap/2024", "localname": "DerivativeGainLossStatementOfIncomeOrComprehensiveIncomeExtensibleEnumeration", "presentation": {
"http://www.hpe.com/role/FinancialInstrumentsPretaxEffectofDerivativeInstrumentsonStatementofEarningsDetails" } }, "lang": { "en-us": { "role": { "terseLabel": "Derivative,
Gain (Loss), Statement of Income or Comprehensive Income {Extensible Enumeration}", "label": "Derivative, Gain (Loss), Statement of Income or Comprehensive Income
{Extensible Enumeration}", "documentation": "Indicates line item in statement of income or comprehensive income that includes gain (loss) from derivative." } } }, "auth_ref":
"r1865" } }, "us-gaap_DerivativeInstrumentRiskAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DerivativeInstrumentRiskAxis",
"presentation": { "http://www.hpe.com/role/FinancialInstrumentsGrossNotionalandFairValueofInstrumentsintheBalanceSheetsDetails",
"http://www.hpe.com/role/FinancialInstrumentsNarrativeDetails",
"http://www.hpe.com/role/FinancialInstrumentsPretaxEffectofDerivativeInstrumentsinHedgingRelationshipsonOCIDetails",
"http://www.hpe.com/role/FinancialInstrumentsPretaxEffectofDerivativeInstrumentsonStatementofEarningsDetails" } }, "lang": { "en-us": { "role": { "terseLabel": "Derivative
Instrument {Axis}", "label": "Derivative Instrument {Axis}", "documentation": "Information by type of derivative contract." } } }, "auth_ref": { "r121", "r124", "r127", "r230",
"r1219", "r1222", "r1237", "r1238", "r1239", "r1241", "r1242", "r1243", "r1244", "r1247", "r1248", "r1249", "r1250", "r1262", "r1263", "r1264", "r1265", "r1268", "r1269",
"r1270", "r1271", "r1331", "r1332", "r1333", "r1338", "r1395", "r1482", "r1484", "r1875", "r1876", "r1877", "r1878", "r1879", "r1880", "r1882", "r1883" } }, "us-
gaap_DerivativeInstrumentsGainLossByHedgingRelationshipAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname":
"DerivativeInstrumentsGainLossByHedgingRelationshipAxis", "presentation": {
"http://www.hpe.com/role/FinancialInstrumentsGrossNotionalandFairValueofInstrumentsintheBalanceSheetsDetails",
"http://www.hpe.com/role/FinancialInstrumentsNarrativeDetails" } }, "lang": { "en-us": { "role": { "terseLabel": "Hedging Relationship {Axis}", "label": "Hedging Relationship
{Axis}", "documentation": "Information by type of hedging relationship." } } }, "auth_ref": { "r31", "r121", "r124" } }, "us-
gaap_DerivativeInstrumentsGainLossByHedgingRelationshipByIncomeStatementLocationByDerivativeInstrumentRiskTable": { "xbrltype": "stringItemType", "nsuri":
"http://fasb.org/us-gaap/2024", "localname": "DerivativeInstrumentsGainLossByHedgingRelationshipByIncomeStatementLocationByDerivativeInstrumentRiskTable",
"presentation": { "http://www.hpe.com/role/FinancialInstrumentsPretaxEffectofDerivativeInstrumentsinHedgingRelationshipsonOCIDetails",
"http://www.hpe.com/role/FinancialInstrumentsPretaxEffectofDerivativeInstrumentsonStatementofEarningsDetails" } }, "lang": { "en-us": { "role": { "terseLabel": "Derivative
Instruments, Gain (Loss) {Table}", "label": "Derivative Instruments, Gain (Loss) {Table}", "documentation": "Disclosure of information about the location and amount of
derivative instruments and nonderivative instruments designated as hedging instruments reported before netting adjustments, and the amount of gain (loss) on derivative
instruments and nonderivative instruments designated and qualified as hedging instruments." } } }, "auth_ref": { "r31", "r121", "r124", "r127", "r133", "r134", "r955" } }, "us-
gaap_DerivativeInstrumentsGainLossLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname":
"DerivativeInstrumentsGainLossLineItems", "presentation": {
"http://www.hpe.com/role/FinancialInstrumentsPretaxEffectofDerivativeInstrumentsonStatementofEarningsDetails": { "parentTag": "us-
gaap_DerivativeGainLossOnDerivativeNet", "weight": 1.0, "order": 3.0 } }, "presentation": {
"http://www.hpe.com/role/FinancialInstrumentsPretaxEffectofDerivativeInstrumentsonStatementofEarningsDetails" } }, "lang": { "en-us": { "role": { "terseLabel": "Derivative
Instruments, Gain (Loss)", "label": "Derivative Instruments, Gain (Loss) {Line Items}", "documentation": "Line items represent financial concepts included in a table. These
concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table." } } }, "auth_ref": { "r955" } }, "us-
gaap_DerivativeInstrumentsNotDesignatedAsHedgingInstrumentsGainLossNet": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname":
"DerivativeInstrumentsNotDesignatedAsHedgingInstrumentsGainLossNet", "crdr": "credit", "calculation": {
"http://www.hpe.com/role/FinancialInstrumentsPretaxEffectofDerivativeInstrumentsonStatementofEarningsDetails": { "parentTag": "us-
gaap_DerivativeGainLossOnDerivativeNet", "weight": 1.0, "order": 3.0 } }, "presentation": {
"http://www.hpe.com/role/FinancialInstrumentsPretaxEffectofDerivativeInstrumentsonStatementofEarningsDetails" } }, "lang": { "en-us": { "role": { "terseLabel": "Derivative
Instruments Not Designated as Hedging Instruments, Gain (Loss), Net", "label": "Derivative Instruments Not Designated as Hedging Instruments, Gain (Loss), Net",
"documentation": "Amount of realized and unrealized gain (loss) of derivative instruments not designated or qualifying as hedging instruments." } } }, "auth_ref": { "r126",
"r1600" } }, "us-gaap_DerivativeLiabilities": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DerivativeLiabilities", "crdr": "credit",
"calculation": { "http://www.hpe.com/role/FinancialInstrumentsOffsettingAssetsandLiabilitiesDetails": { "parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": {
"http://www.hpe.com/role/FinancialInstrumentsOffsettingAssetsandLiabilitiesDetails" } }, "lang": { "en-us": { "role": { "totalLabel": "Net Amount Presented",
"label": "Derivative Liability", "documentation": "Fair value, after the effects of master netting arrangements, of a financial liability or contract with one or more underlyings,
notional amount or payment provision or both, and the contract can be net settled by means outside the contract or delivery of an asset. Includes liabilities not subject to a
master netting arrangement and not elected to be offset." } } }, "auth_ref": { "r371", "r374", "r971", "r972", "r982", "r991", "r1209", "r1210", "r1211", "r1213", "r1216",
"r1217", "r1219", "r1221", "r1222", "r1247", "r1249", "r1250", "r1332", "r1333", "r1334", "r1335", "r1336", "r1338", "r1339", "r1395", "r1872", "r1873", "r1874", "r1949" } },
"us-gaap_DerivativeLiabilityCollateralRightToReclaimCashOffset": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname":
"DerivativeLiabilityCollateralRightToReclaimCashOffset", "crdr": "debit", "calculation": {
"http://www.hpe.com/role/FinancialInstrumentsOffsettingAssetsandLiabilitiesDetails": { "parentTag": "us-gaap_DerivativeLiabilities", "weight": -1.0, "order": 2.0 } },
"presentation": { "http://www.hpe.com/role/FinancialInstrumentsOffsettingAssetsandLiabilitiesDetails" } }, "lang": { "en-us": { "role": { "terseLabel": "Gross Amount Offset",
"label": "Derivative Liability, Subject to Master Netting Arrangement, Collateral, Right to Reclaim Cash Offset", "documentation": "Amount of right to receive cash collateral
under master netting arrangements offset against derivative liabilities." } } }, "auth_ref": { "r19", "r34" } }, "us-gaap_DerivativeLiabilityFairValueGrossAsset": { "xbrltype":
"monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DerivativeLiabilityFairValueGrossAsset", "crdr": "debit", "presentation": {
"http://www.hpe.com/role/FinancialInstrumentsOffsettingAssetsandLiabilitiesDetails" } }, "lang": { "en-us": { "role": { "terseLabel": "Derivative Liability, Subject to Master
Netting Arrangement, Asset Offset", "label": "Derivative Liability, Subject to Master Netting Arrangement, Asset Offset", "documentation": "Fair value of asset associated with
financial liability or contract with one or more underlyings, notional amount or payment provision or both, and the contract can be net settled by means outside the contract
or delivery of an asset." } } }, "auth_ref": { "r34", "r40", "r228", "r229", "r1336", "r1337", "r1393" } }, "us-

gaap-DerivativeLiabilityFairValueGrossLiabilityIncludingNotSubjectToMasterNettingArrangement": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DerivativeLiabilityFairValueGrossLiabilityIncludingNotSubjectToMasterNettingArrangement", "crdr": "credit", "calculation": { "http://www.hpe.com/role/FinancialInstrumentsOffsettingAssetsandLiabilitiesDetails": { "parentTag": "us-gaap-DerivativeLiabilities", "weight": 1.0, "order": 1.0 } }, "presentation": { "http://www.hpe.com/role/FinancialInstrumentsOffsettingAssetsandLiabilitiesDetails": { "lang": { "en-us": { "role": { "terseLabel": "Gross Amount Recognized", "label": "Derivative Liability, Fair Value, Gross Liability Including Not Subject to Master Netting Arrangement", "documentation": "Fair value, before effects of master netting arrangements, of a financial liability or contract with one or more underlyings, notional amount or payment provision or both, and the contract can be net settled by means outside the contract or delivery of an asset. Includes liabilities not subject to a master netting arrangement and elected not to be offset." } } }, "auth_ref": { "370", "r1336", "r1337", "r1395" } }, "us-gaap-DerivativeLiabilityStatementOffFinancialPositionExtensibleEnumeration": { "xbrltype": "enumerationSetItem", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DerivativeLiabilityStatementOffFinancialPositionExtensibleEnumeration", "presentation": { "http://www.hpe.com/role/FinancialInstrumentsOffsettingAssetsandLiabilitiesDetails": { "lang": { "en-us": { "role": { "terseLabel": "Derivative Liability, Statement of Financial Position [Extensible Enumeration]", "label": "Derivative Liability, Statement of Financial Position [Extensible Enumeration]", "documentation": "Indicates line item in statement of financial position that includes derivative liability." } } }, "auth_ref": { "950" } }, "us-gaap-DerivativeMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DerivativeMember", "presentation": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansFairValueofNonUSDefinedBenefitPlanAssetsbyAssetCategoryWithintheFairValueHierarchyDetails": { "lang": { "en-us": { "role": { "terseLabel": "Derivative", "label": "Derivative [Member]", "documentation": "This element represents types of derivative financial instruments which are financial instruments or other contractual arrangements with all three of the following characteristics: (a) it has (1) one or more underlyings and (2) one or more notional amounts or payment provisions or both. Those terms determine the amount of the settlement or settlements, and, in some cases, whether or not a settlement is required; (b) it requires no initial net investment or an initial net investment that is smaller than would be required for other types of contracts that would be expected to have a similar response to changes in market factors; and (c) its terms require or permit net settlement, it can readily be settled net by a means outside the contract, or it provides for delivery of an asset that puts the recipient in a position not substantially different from net settlement. Notwithstanding the above characteristics, loan commitments that relate to the origination of mortgage loans that will be held for sale are accounted for as derivative instruments by the issuer of the loan commitment (that is, the potential lender)." } } }, "auth_ref": { "r227", "r1451" } }, "us-gaap-DerivativeNetLiabilityPositionAggregateFairValue": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DerivativeNetLiabilityPositionAggregateFairValue", "crdr": "credit", "presentation": { "http://www.hpe.com/role/FinancialInstrumentsNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Collateralized arrangements in net liability position", "label": "Derivative, Net Liability Position, Aggregate Fair Value", "documentation": "The aggregate fair value amounts of derivative instruments that contain credit-risk-related contingent features that are in a net liability position at the end of the reporting period. For nonderivative instruments that are designated and qualify as hedging instruments, the fair value amounts are the carrying value of the nonderivative hedging instrument, including the adjustment for the foreign currency transaction gain (loss) on that instrument." } } }, "auth_ref": { "r128" } }, "us-gaap-DerivativeNotionalAmount": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DerivativeNotionalAmount", "presentation": { "http://www.hpe.com/role/FinancialInstrumentsGrossNotionalandFairValueofInstrumentsintheBalanceSheetsDetails": { "lang": { "en-us": { "role": { "terseLabel": "Derivative notional amount", "label": "Derivative, Notional Amount", "documentation": "Nominal or face amount used to calculate payment on derivative." } } }, "auth_ref": { "r1863", "r1864" } }, "hpe-DerivativeNumberOfBusinessDaysPriorToReportingDate": { "xbrltype": "integerItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "DerivativeNumberOfBusinessDaysPriorToReportingDate", "presentation": { "http://www.hpe.com/role/FinancialInstrumentsOffsettingAssetsandLiabilitiesDetails": { "lang": { "en-us": { "role": { "terseLabel": "Business days prior to respective reporting date", "label": "Derivative, Number Of Business Days Prior to Reporting Date", "documentation": "Derivative, Number Of Business Days Prior to Reporting Date" } } }, "auth_ref": { "r11", "us-gaap-DerivativesFairValueLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DerivativesFairValueLineItems", "presentation": { "http://www.hpe.com/role/FinancialInstrumentsAmountsRecordedintheBalanceSheetsDetails": { "lang": { "en-us": { "role": { "terseLabel": "Derivatives, Fair Value [Line Items]", "label": "Derivatives, Fair Value [Line Items]", "documentation": "Line items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table." } } }, "auth_ref": { "r11", "us-gaap-DerivativesPolicyTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DerivativesPolicyTextBlock", "presentation": { "http://www.hpe.com/role/OverviewandSummaryofSignificantAccountingPolicies": { "lang": { "en-us": { "role": { "terseLabel": "Derivatives", "label": "Derivatives, Policy [Policy Text Block]", "documentation": "Disclosure of accounting policy for its derivative instruments and hedging activities." } } }, "auth_ref": { "r31", "r114", "r115", "r119", "r130", "r415", "r430" } }, "us-gaap-DesignatedAsHedgingInstrumentMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DesignatedAsHedgingInstrumentMember", "presentation": { "http://www.hpe.com/role/FinancialInstrumentsGrossNotionalandFairValueofInstrumentsintheBalanceSheetsDetails": { "lang": { "en-us": { "role": { "terseLabel": "Derivatives Designated as Hedging Instruments", "label": "Designated as Hedging Instrument [Member]", "documentation": "Derivative instrument designated as hedging instrument under Generally Accepted Accounting Principles (GAAP)." } } }, "auth_ref": { "r31" } }, "hpe-DevelopedTechnologyRightsPatentedAndUnpatentedTechnologyMember": { "xbrltype": "domainItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "DevelopedTechnologyRightsPatentedAndUnpatentedTechnologyMember", "presentation": { "http://www.hpe.com/role/GoodwillandIntangibleAssetsIntangibleAssetsDetails": { "lang": { "en-us": { "role": { "terseLabel": "Developed and core technology and patents", "label": "Developed Technology Rights Patented And Unpatented Technology [Member]", "documentation": "Assets acquired in a business combination that includes a) the value associated with developed technology, including the right to develop, use, market, sell or offer for sale the product, compounds and intellectual property that has been acquired with respect to products, compounds or processes that have been completed, b) the exclusive legal right granted by the government to the owner of the patented technology to exploit the technology for a period of time specified by law, and c) technology-based intangible assets such as innovations or scientific advances that have not been patented." } } }, "auth_ref": { "r11", "us-gaap-DisclosureOfCompensationRelatedCostsShareBasedPaymentsTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DisclosureOfCompensationRelatedCostsShareBasedPaymentsTextBlock", "presentation": { "http://www.hpe.com/role/StockBasedCompensation": { "lang": { "en-us": { "role": { "terseLabel": "Stock-Based Compensation", "label": "Share-Based Payment Arrangement [Text Block]", "documentation": "The entire disclosure for share-based payment arrangement." } } }, "auth_ref": { "r830", "r835", "r866", "r867", "r869", "r1441" } }, "us-gaap-DisclosureOfCompensationRelatedCostsSharebasedPaymentsAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DisclosureOfCompensationRelatedCostsSharebasedPaymentsAbstract", "lang": { "en-us": { "role": { "terseLabel": "Share-based Payment Arrangement [Abstract]", "label": "Share-Based Payment Arrangement [Abstract]", "documentation": "The entire disclosure for share-based payment arrangement." } } }, "auth_ref": { "r11", "us-gaap-DisposalGroupClassificationAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DisposalGroupClassificationAxis", "presentation": { "http://www.hpe.com/role/AcquisitionsandDispositionsNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Disposal Group Classification [Axis]", "label": "Disposal Group Classification [Axis]", "documentation": "Information by disposal group classification." } } }, "auth_ref": { "r345" } }, "us-gaap-DisposalGroupClassificationDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DisposalGroupClassificationDomain", "presentation": { "http://www.hpe.com/role/AcquisitionsandDispositionsNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Disposal Group Classification [Domain]", "label": "Disposal Group Classification [Domain]", "documentation": "Component or group of components disposed of, including but not limited to, disposal group held-for-sale or disposed of by sale, disposed of by means other than sale, and discontinued operations." } } }, "auth_ref": { "r11", "us-gaap-DisposalGroupDisposedOffBySaleNotDiscontinuedOperationsMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DisposalGroupDisposedOffBySaleNotDiscontinuedOperationsMember", "presentation": { "http://www.hpe.com/role/AcquisitionsandDispositionsNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Disposal Group, Disposed of by Sale, Not Discontinued Operations", "label": "Disposal Group, Disposed of by Sale, Not Discontinued Operations [Member]", "documentation": "Disposal group that has been sold. Excludes disposals classified as discontinued operations." } } }, "auth_ref": { "r18", "r33" } }, "us-gaap-DisposalGroupsIncludingDiscontinuedOperationsNameDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DisposalGroupsIncludingDiscontinuedOperationsNameDomain", "presentation": { "http://www.hpe.com/role/AcquisitionsandDispositionsNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Disposal Group Name [Domain]", "label": "Disposal Group Name [Domain]", "documentation": "Name of disposal group." } } }, "auth_ref": { "r1434", "r1437" } }, "us-gaap-DividendsCommonStockCash": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DividendsCommonStockCash", "crdr": "debit", "presentation": { "http://www.hpe.com/role/ConsolidatedStatementsofStockholdersEquity": { "lang": { "en-us": { "role": { "negatedTerseLabel": "Cash dividends declared (\$0.52 per common share)", "label": "Dividends, Common Stock, Cash", "documentation": "Amount of paid and unpaid common stock dividends declared with the form of settlement in cash." } } }, "auth_ref": { "r213" } }, "us-gaap-DividendsPreferredStockCash": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DividendsPreferredStockCash", "crdr": "debit", "presentation": { "http://www.hpe.com/role/ConsolidatedStatementsofStockholdersEquity": { "lang": { "en-us": { "role": { "negatedTerseLabel": "Dividend on preferred stock accrued / declared (\$0.83 per preferred share)", "label": "Dividends, Preferred Stock, Cash", "documentation": "Amount of paid and unpaid preferred stock dividends declared with the form of settlement in cash." } } }, "auth_ref": { "r13", "r213" } }, "dei-DocumentsAnnualReport": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "DocumentAnnualReport", "presentation": { "http://www.hpe.com/role/CoverPage": { "lang": { "en-us": { "role": { "terseLabel": "Document Annual Report", "label": "Document Annual Report", "documentation": "Boolean flag that is true only for a form used as an annual report." } } }, "auth_ref": { "r1501", "r1502", "r1514" } }, "dei-DocumentsFinStmntErrorCorrectionFlag": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "DocumentFinStmntErrorCorrectionFlag", "presentation": { "http://www.hpe.com/role/CoverPage": { "lang": { "en-us": { "role": { "terseLabel": "Document Financial Statement Error Correction", "label": "Document Financial Statement Error Correction [Flag]", "documentation": "Indicates whether any of the financial statement period in the filing include a restatement due to error correction." } } }, "auth_ref": { "r1501", "r1502", "r1514", "r1557" } }, "dei-DocumentsFiscalPeriodFocus": { "xbrltype": "fiscalPeriodItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "DocumentFiscalPeriodFocus", "presentation": { "http://www.hpe.com/role/CoverPage": { "lang": { "en-us": { "role": { "terseLabel": "Document Fiscal Period Focus", "label": "Document Fiscal Period Focus", "documentation": "Fiscal period values are FY, Q1, Q2, and Q3. 1st, 2nd and 3rd quarter 10-Q or 10-QT statements have value Q1, Q2, and Q3 respectively, with 10-K, 10-KT or other fiscal year statements having FY." } } }, "auth_ref": { "r11", "dei-DocumentsFiscalYearFocus": { "xbrltype": "yearItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "DocumentFiscalYearFocus", "presentation": { "http://www.hpe.com/role/CoverPage": { "lang": { "en-us": { "role": { "terseLabel": "Document Fiscal Year Focus", "label": "Document Fiscal Year Focus", "documentation": "This is focus fiscal year of the document report in YYYY format. For a 2006 annual report, which may also provide financial information from prior periods, fiscal 2006 should be given as the fiscal year focus. Example: 2006." } } }, "auth_ref": { "r11", "dei-DocumentsInformationLineItems": { "xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "DocumentInformationLineItems", "presentation": { "http://www.hpe.com/role/CoverPage": { "lang": { "en-us": { "role": { "terseLabel": "Document Information [Line Items]", "label": "Document Information [Line Items]", "documentation": "Line items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table." } } }, "auth_ref": { "r11", "dei-DocumentsInformationTable": { "xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "DocumentInformationTable", "lang": { "en-us": { "role": { "terseLabel": "Document Information [Table]", "label": "Document Information [Table]", "documentation": "Container to support the formal attachment of each official or unofficial, public or private document as part of a submission package." } } }, "auth_ref": { "r11", "dei-DocumentsPeriodEndDate": { "xbrltype": "dateItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "DocumentPeriodEndDate", "presentation": { "http://www.hpe.com/role/CoverPage": { "lang": { "en-us": { "role": { "terseLabel": "Document Period End Date", "label": "Document Period End Date", "documentation": "For the EDGAR submission types of Form N-1A: the filing date; for all other submission types: the end of the reporting or transition period. The format of the date is YYYY-MM-DD." } } }, "auth_ref": { "r11", "dei-DocumentsTransitionReport": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "DocumentTransitionReport", "presentation": { "http://www.hpe.com/role/CoverPage": { "lang": { "en-us": { "role": { "terseLabel": "Document Transition Report", "label": "Document Transition Report", "documentation": "Boolean flag that is true only for a form used as a transition report." } } }, "auth_ref": { "r1535" } }, "dei-DocumentsType": { "xbrltype": "submissionTypeItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "DocumentType", "presentation": { "http://www.hpe.com/role/CoverPage": { "lang": { "en-us": { "role": { "terseLabel": "Document Type", "label": "Document Type", "documentation": "The type of document being provided (such as 10-K, 10-Q, 485BPOS, etc). The document type is limited to the same value as the supporting SEC submission type, or the word 'Other'." } } }, "auth_ref": { "r11", "dei-DocumentsIncorporatedByReferenceTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "DocumentsIncorporatedByReferenceTextBlock" } } }

DocumentsIncorporatedByReferenceTextBlock", "presentation": f"http://www.hpe.com/role/CoverPage", "lang": f"en-us", f"role": f"terseLabel": "Documents Incorporated By Reference", "label": "Documents Incorporated by Reference [Text Block]", "documentation": "Documents incorporated by reference.", "auth_ref": f"r1499"}, {"us-gaap-DomesticPlanMember", f"xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DomesticPlanMember", "presentation": f"http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansNarrativeDetails", "lang": f"en-us", f"role": f"terseLabel": "Domestic Plan", "label": "Domestic Plan [Member]", "documentation": "Location of employer sponsoring plan, designed to provide retirement benefits, determined as principal place of business. Includes, but is not limited to, defined benefit and defined contribution plans.", "auth_ref": f"r1815", "r1816", "r1817"}, {"hpe-DutiesPenaltiesAffirmedUnderShowCauseNotices", f"xbrltype": "monetaryItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "DutiesPenaltiesAffirmedUnderShowCauseNotices", "crdr": "debit", "presentation": f"http://www.hpe.com/role/LitigationContingenciesandCommitmentsDetails", "lang": f"en-us", f"role": f"terseLabel": "Duties and penalties under show cause notices", "label": "Duties, Penalties Affirmed under Show Cause Notices", "documentation": "The aggregate amount of duties and penalties that the Commissioner of Customs is seeking to have HP India and the other named individuals pay under the products and parts show cause notices.", "auth_ref": f"r1", "ecd-DvddsOrOthrErngsPdOnEqtyAwrdsNtOthrrwsRfctdInFltCompForCvrdYrMember", f"xbrltype": "domainItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "DvddsOrOthrErngsPdOnEqtyAwrdsNtOthrrwsRfctdInFltCompForCvrdYrMember", "presentation": f"http://xbrl.sec.gov/ecd/role/PvpDisclosure", "lang": f"en-us", f"role": f"terseLabel": "Dividends or Other Earnings Paid on Equity Awards Not Otherwise Reflected in Total Compensation for Covered Year", "label": "Dividends or Other Earnings Paid on Equity Awards Not Otherwise Reflected in Total Compensation for Covered Year [Member]", "auth_ref": f"r1546"}, {"hpe-ECTMember", f"xbrltype": "domainItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "ECTMember", "presentation": f"http://www.hpe.com/role/LitigationContingenciesandCommitmentsDetails", "lang": f"en-us", f"role": f"terseLabel": "ECT Proceedings", "label": "E C T (Member)", "documentation": "The risk of loss associated with lawsuits claiming an alleged bid-rigging scheme.", "auth_ref": f"r1", "us-gaap-EMEAMember", f"xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EMEAMember", "presentation": f"http://www.hpe.com/role/SegmentInformationRevenuebyGeographicRegionDetails", "lang": f"en-us", f"role": f"terseLabel": "Europe, Middle East and Africa", "label": "EMEAMember", "documentation": "Regions of Europe, Middle East and Africa.", "auth_ref": f"r1954", "r1956", "r1957", "r1958"}, {"us-gaap-EarningsPerShareAbstract", f"xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EarningsPerShareAbstract", "presentation": f"http://www.hpe.com/role/ConsolidatedStatementsofEarnings", "lang": f"en-us", f"role": f"terseLabel": "Net earnings (loss) per share", "label": "Earnings Per Share [Abstract]", "auth_ref": f"r1", "us-gaap-EarningsPerShareBasic", f"xbrltype": "perShareItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EarningsPerShareBasic", "presentation": f"http://www.hpe.com/role/ConsolidatedStatementsofEarnings", "lang": f"en-us", f"role": f"terseLabel": "The amount of net income (loss) for the period per each share of common stock or unit outstanding during the reporting period.", "auth_ref": f"r396", "r422", "r423", "r424", "r425", "r426", "r427", "r432", "r435", "r448", "r449", "r450", "r455", "r935", "r940", "r968", "r969", "r1124", "r1149", "r1399"}, {"us-gaap-EarningsPerShareBasicAbstract", f"xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EarningsPerShareBasicAbstract", "presentation": f"http://www.hpe.com/role/NetEarningsPerShareDetails", "lang": f"en-us", f"role": f"terseLabel": "Net earnings per share attributable to common stockholders", "label": "Earnings Per Share, Basic [Abstract]", "auth_ref": f"r1", "us-gaap-EarningsPerShareBasicLineItems", f"xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EarningsPerShareBasicLineItems", "presentation": f"http://www.hpe.com/role/NetEarningsPerShareDetails", "lang": f"en-us", f"role": f"terseLabel": "Earnings Per Share, Basic, by Common Class, Including Two Class Method [Line Items]", "label": "Earnings Per Share, Basic, by Common Class, Including Two Class Method [Line Items]", "documentation": "Line items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table.", "auth_ref": f"r435", "r439", "r448"}, {"us-gaap-EarningsPerShareDiluted", f"xbrltype": "perShareItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EarningsPerShareDiluted", "presentation": f"http://www.hpe.com/role/ConsolidatedStatementsofEarnings", "lang": f"en-us", f"role": f"terseLabel": "Diluted (in dollars per share)", "label": "Earnings Per Share, Diluted", "documentation": "The amount of net income (loss) for the period available to each share of common stock or common unit outstanding during the reporting period and to each share or unit that would have been outstanding assuming the issuance of common shares or units for all dilutive potential common shares or units outstanding during the reporting period.", "auth_ref": f"r396", "r422", "r423", "r424", "r425", "r426", "r427", "r435", "r440", "r449", "r450", "r455", "r935", "r940", "r968", "r969", "r1124", "r1149", "r1399"}, {"us-gaap-EarningsPerSharePolicyTextBlock", f"xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EarningsPerSharePolicyTextBlock", "presentation": f"http://www.hpe.com/role/OverviewandSummaryofSignificantAccountingPoliciesPolicies", "lang": f"en-us", f"role": f"terseLabel": "Net Earnings per share", "label": "Earnings Per Share, Policy [Text Block]", "documentation": "Disclosure of accounting policy for computing basic and diluted earnings or loss per share for each class of common stock and participating security. Addresses all significant policy factors, including any antidilutive items that have been excluded from the computation and takes into account stock dividends, splits and reverse splits that occur after the balance sheet date of the latest reporting period but before the issuance of the financial statements.", "auth_ref": f"r59", "r59", "r452"}, {"us-gaap-EarningsPerShareTextBlock", f"xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EarningsPerShareTextBlock", "presentation": f"http://www.hpe.com/role/NetEarningsPerShare", "lang": f"en-us", f"role": f"terseLabel": "Net Earnings Per Share", "label": "Earnings Per Share [Text Block]", "documentation": "The entire disclosure for earnings per share.", "auth_ref": f"r431", "r451", "r453", "r454"}, {"us-gaap-EffectOfExchangeRateOnCashCashEquivalentsRestrictedCashAndRestrictedCashEquivalents", f"xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EffectOfExchangeRateOnCashCashEquivalentsRestrictedCashAndRestrictedCashEquivalents", "crdr": "debit", "calculation": f"http://www.hpe.com/role/ConsolidatedStatementsofCashFlows", "parentTag": "us-gaap-CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalentsPeriodIncreaseDecreaseIncludingExchangeRateEffect", "weight": 1.0, "order": 4.0, "presentation": f"http://www.hpe.com/role/ConsolidatedStatementsofCashFlows", "lang": f"en-us", f"role": f"terseLabel": "Effect of exchange rate changes on cash, cash equivalents, and restricted cash", "label": "Effect of Exchange Rate on Cash, Cash Equivalents, Restricted Cash, and Restricted Cash Equivalents, Continuing Operations", "documentation": "Amount of increase (decrease) from effect of exchange rate changes on cash and cash equivalents, and cash and cash equivalents restricted to withdrawal or usage, held in foreign currencies. Excludes amounts for disposal group and discontinued operations. Cash includes, but is not limited to, currency on hand, demand deposits with banks or financial institutions, and other accounts with general characteristics of demand deposits. Cash equivalents include, but are not limited to, short-term, highly-liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates.", "auth_ref": f"r996"}, {"us-gaap-EffectiveIncomeTaxRateContinuingOperations", f"xbrltype": "percentItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EffectiveIncomeTaxRateContinuingOperations", "calculation": f"http://www.hpe.com/role/TaxesonEarningsSummaryofDifferencesBetweentheUSFederalStatutoryIncomeTaxRateandEffectiveTaxRateDetails", "parentTag": null, "weight": null, "order": null, "root": true, "presentation": f"http://www.hpe.com/role/TaxesonEarningsSummaryofDifferencesBetweentheUSFederalStatutoryIncomeTaxRateandEffectiveTaxRateDetails", "lang": f"en-us", f"role": f"terseLabel": "Effective tax rate (as a percent)", "label": "Effective Income Tax Rate Reconciliation, Percent", "documentation": "Percentage of current income tax expense (benefit) and deferred income tax expense (benefit) pertaining to continuing operations.", "auth_ref": f"r888", "r1445"}, {"us-gaap-EffectiveIncomeTaxRateContinuingOperationsTaxRateReconciliationAbstract", f"xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EffectiveIncomeTaxRateContinuingOperationsTaxRateReconciliationAbstract", "presentation": f"http://www.hpe.com/role/TaxesonEarningsSummaryofDifferencesBetweentheUSFederalStatutoryIncomeTaxRateandEffectiveTaxRateDetails", "lang": f"en-us", f"role": f"terseLabel": "Differences between the U.S. federal statutory income tax rate and HP's effective tax rate", "label": "Effective Income Tax Rate Reconciliation, Percent [Abstract]", "auth_ref": f"r1", "us-gaap-EffectiveIncomeTaxRateReconciliationAtFederalStatutoryIncomeTaxRate", f"xbrltype": "percentItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EffectiveIncomeTaxRateReconciliationAtFederalStatutoryIncomeTaxRate", "calculation": f"http://www.hpe.com/role/TaxesonEarningsSummaryofDifferencesBetweentheUSFederalStatutoryIncomeTaxRateandEffectiveTaxRateDetails", "parentTag": "us-gaap-EffectiveIncomeTaxRateContinuingOperations", "weight": 1.0, "order": 1.0, "presentation": f"http://www.hpe.com/role/TaxesonEarningsSummaryofDifferencesBetweentheUSFederalStatutoryIncomeTaxRateandEffectiveTaxRateDetails", "lang": f"en-us", f"role": f"terseLabel": "U.S. federal statutory income tax rate", "label": "Effective Income Tax Rate Reconciliation, at Federal Statutory Income Tax Rate, Percent", "documentation": "Percentage of domestic federal statutory tax rate applicable to pretax income (loss).", "auth_ref": f"r412", "r888", "r923", "r1445"}, {"us-gaap-EffectiveIncomeTaxRateReconciliationChangeInDeferredTaxAssetsValuationAllowance", f"xbrltype": "percentItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EffectiveIncomeTaxRateReconciliationChangeInDeferredTaxAssetsValuationAllowance", "calculation": f"http://www.hpe.com/role/TaxesonEarningsSummaryofDifferencesBetweentheUSFederalStatutoryIncomeTaxRateandEffectiveTaxRateDetails", "parentTag": "us-gaap-EffectiveIncomeTaxRateContinuingOperations", "weight": 1.0, "order": 4.0, "presentation": f"http://www.hpe.com/role/TaxesonEarningsSummaryofDifferencesBetweentheUSFederalStatutoryIncomeTaxRateandEffectiveTaxRateDetails", "lang": f"en-us", f"role": f"terseLabel": "Valuation allowance", "label": "Effective Income Tax Rate Reconciliation, Change in Deferred Tax Assets Valuation Allowance, Percent", "documentation": "Percentage of the difference between reported income tax expense (benefit) and expected income tax expense (benefit) computed by applying the domestic federal statutory income tax rates to pretax income (loss) from continuing operations attributable to changes in the valuation allowance for deferred tax assets.", "auth_ref": f"r894", "r1445", "r1444"}, {"us-gaap-EffectiveIncomeTaxRateReconciliationForeignIncomeTaxRateDifferential", f"xbrltype": "percentItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EffectiveIncomeTaxRateReconciliationForeignIncomeTaxRateDifferential", "calculation": f"http://www.hpe.com/role/TaxesonEarningsSummaryofDifferencesBetweentheUSFederalStatutoryIncomeTaxRateandEffectiveTaxRateDetails", "parentTag": "us-gaap-EffectiveIncomeTaxRateContinuingOperations", "weight": 1.0, "order": 3.0, "presentation": f"http://www.hpe.com/role/TaxesonEarningsSummaryofDifferencesBetweentheUSFederalStatutoryIncomeTaxRateandEffectiveTaxRateDetails", "lang": f"en-us", f"role": f"terseLabel": "Lower rates in other jurisdictions, net", "label": "Effective Income Tax Rate Reconciliation, Foreign Income Tax Rate Differential, Percent", "documentation": "Percentage of the difference between reported income tax expense (benefit) and expected income tax expense (benefit) computed by applying the domestic federal statutory income tax rates to pretax income (loss) from continuing operations applicable to statutory income tax expense (benefit) outside of the country of domicile.", "auth_ref": f"r889", "r892", "r1445", "r1444"}, {"us-gaap-EffectiveIncomeTaxRateReconciliationGILTIAmount", f"xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EffectiveIncomeTaxRateReconciliationGILTIAmount", "crdr": "debit", "presentation": f"http://www.hpe.com/

of the difference between reported income tax expense (benefit) and expected income tax expense (benefit) computed by applying the domestic federal statutory income tax rates to pretax income (loss) from continuing operations attributable to impairment loss." } } }, "auth_ref": { "r1445", "r1644", "r1844", "r1846" } }, "us-gaap_EffectiveIncomeTaxRateReconciliationOtherAdjustments": { "xbrltype": "percentItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EffectiveIncomeTaxRateReconciliationOtherAdjustments", "calculation": { "http://www.hpe.com/role/TaxesonEarningsSummaryofDifferencesBetweentheUSFederalStatutoryIncomeTaxRateandEffectiveTaxRateDetails": { "parentTag": "us-gaap_EffectiveIncomeTaxRateContinuingOperations", "weight": 1.0, "order": 7.0 } }, "presentation": { "http://www.hpe.com/role/TaxesonEarningsSummaryofDifferencesBetweentheUSFederalStatutoryIncomeTaxRateandEffectiveTaxRateDetails": { "lang": { "en-us": { "role": { "terseLabel": "Other, net", "label": "Effective Income Tax Rate Reconciliation, Other Adjustments, Percent", "documentation": "Percentage of the difference between reported income tax expense (benefit) and expected income tax expense (benefit) computed by applying the domestic federal statutory income tax rates to pretax income (loss) from continuing operations attributable to other adjustments." } } }, "auth_ref": { "r1445", "r1644", "r1844", "r1845" } }, "us-gaap_EffectiveIncomeTaxRateReconciliationShareBasedCompensationExcessTaxBenefitAmount": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EffectiveIncomeTaxRateReconciliationShareBasedCompensationExcessTaxBenefitAmount", "crdr": "debit", "presentation": { "http://www.hpe.com/role/TaxesonEarningsNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Excess tax benefits related to stock-based compensation", "label": "Effective Income Tax Rate Reconciliation, Tax Expense (Benefit), Share-Based Payment Arrangement, Amount", "documentation": "Amount of difference between reported income tax expense (benefit) and expected income tax expense (benefit) computed by applying domestic federal statutory income tax rate to pretax income (loss) from continuing operation, attributable to expense for award under share-based payment arrangement. Excludes expense determined to be nondeductible upon grant or after for award under share-based payment arrangement." } } }, "auth_ref": { "r1592", "r1844", "r1845" } }, "us-gaap_EffectiveIncomeTaxRateReconciliationStateAndLocalIncomeTaxes": { "xbrltype": "percentItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EffectiveIncomeTaxRateReconciliationStateAndLocalIncomeTaxes", "calculation": { "http://www.hpe.com/role/TaxesonEarningsSummaryofDifferencesBetweentheUSFederalStatutoryIncomeTaxRateandEffectiveTaxRateDetails": { "parentTag": "us-gaap_EffectiveIncomeTaxRateContinuingOperations", "weight": 1.0, "order": 2.0 } }, "presentation": { "http://www.hpe.com/role/TaxesonEarningsSummaryofDifferencesBetweentheUSFederalStatutoryIncomeTaxRateandEffectiveTaxRateDetails": { "lang": { "en-us": { "role": { "terseLabel": "State income taxes, net of federal tax benefit", "label": "Effective Income Tax Rate Reconciliation, State and Local Income Taxes, Percent", "documentation": "Percentage of the difference between reported income tax expense (benefit) and expected income tax expense (benefit) computed by applying the domestic federal statutory income tax rates to pretax income (loss) from continuing operations applicable to state and local income tax expense (benefit), net of federal tax expense (benefit)." } } }, "auth_ref": { "r891", "r1445", "r1644", "r1844" } }, "hpe_EffectiveIncomeTaxRateReconciliationTaxChargesForeignAndDomesticAmount": { "xbrltype": "monetaryItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "EffectiveIncomeTaxRateReconciliationTaxChargesForeignAndDomesticAmount", "crdr": "debit", "presentation": { "http://www.hpe.com/role/TaxesonEarningsNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Tax charges, foreign and domestic", "label": "Effective Income Tax Rate Reconciliation, Tax Charges, Foreign And Domestic, Amount", "documentation": "Effective Income Tax Rate Reconciliation, Tax Charges, Foreign And Domestic, Amount" } } }, "auth_ref": { "r1445", "r1644", "r1844", "r1845" } }, "us-gaap_EffectiveIncomeTaxRateReconciliationTaxContingencies": { "xbrltype": "percentItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EffectiveIncomeTaxRateReconciliationTaxContingencies", "calculation": { "http://www.hpe.com/role/TaxesonEarningsSummaryofDifferencesBetweentheUSFederalStatutoryIncomeTaxRateandEffectiveTaxRateDetails": { "parentTag": "us-gaap_EffectiveIncomeTaxRateContinuingOperations", "weight": 1.0, "order": 6.0 } }, "presentation": { "http://www.hpe.com/role/TaxesonEarningsSummaryofDifferencesBetweentheUSFederalStatutoryIncomeTaxRateandEffectiveTaxRateDetails": { "lang": { "en-us": { "role": { "terseLabel": "Uncertain tax positions", "label": "Effective Income Tax Rate Reconciliation, Tax Contingency, Percent", "documentation": "Percentage of the difference between reported income tax expense (benefit) and expected income tax expense (benefit) computed by applying the domestic federal statutory income tax rates to pretax income (loss) from continuing operations attributable to income tax contingencies. Includes, but not limited to, domestic tax contingency, foreign tax contingency, state and local tax contingency, and other contingencies." } } }, "auth_ref": { "r896", "r1445", "r1644", "r1844" } }, "us-gaap_EffectiveIncomeTaxRateReconciliationTaxCreditsResearch": { "xbrltype": "percentItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EffectiveIncomeTaxRateReconciliationTaxCreditsResearch", "calculation": { "http://www.hpe.com/role/TaxesonEarningsSummaryofDifferencesBetweentheUSFederalStatutoryIncomeTaxRateandEffectiveTaxRateDetails": { "parentTag": "us-gaap_EffectiveIncomeTaxRateContinuingOperations", "weight": 1.0, "order": 9.0 } }, "presentation": { "http://www.hpe.com/role/TaxesonEarningsSummaryofDifferencesBetweentheUSFederalStatutoryIncomeTaxRateandEffectiveTaxRateDetails": { "lang": { "en-us": { "role": { "terseLabel": "U.S. R&D credit", "label": "Effective Income Tax Rate Reconciliation, Tax Credit, Research, Percent", "documentation": "Percentage of the difference between reported income tax expense (benefit) and expected income tax expense (benefit) computed by applying the domestic federal statutory income tax rates to pretax income (loss) from continuing operations attributable to research tax credit." } } }, "auth_ref": { "r1445", "r1644", "r1844", "r1846" } }, "hpe_EffectiveIncomeTaxRateReconciliationUtilizationOfCapitalLossesAmount": { "xbrltype": "monetaryItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "EffectiveIncomeTaxRateReconciliationUtilizationOfCapitalLossesAmount", "crdr": "credit", "presentation": { "http://www.hpe.com/role/TaxesonEarningsNarrativeDetails": { "lang": { "en-us": { "role": { "negatedTerseLabel": "U.S. R&D credit", "label": "Effective income tax rate reconciliation, utilization of capital losses, amount", "documentation": "Effective Income Tax Rate Reconciliation, Utilization of Capital Losses, Amount" } } }, "auth_ref": { "r1445", "r1644", "r1844", "r1846" } }, "hpe_EmergingMarketsAtNAVMember": { "xbrltype": "domainItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "EmergingMarketsAtNAVMember", "presentation": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansFairValueofNonUSDefinedBenefitPlanAssetsbyAssetCategoryWithintheFairValueHierarchyDetails": { "lang": { "en-us": { "role": { "terseLabel": "Emerging Markets at NAV", "label": "Emerging Markets At NAV [Member]", "documentation": "Emerging Markets At NAV [Member]" } } }, "auth_ref": { "r1445", "r1644", "r1844", "r1846" } }, "us-gaap_EmployeeRelatedLiabilitiesCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EmployeeRelatedLiabilitiesCurrent", "crdr": "credit", "calculation": { "http://www.hpe.com/role/ConsolidatedBalanceSheets": { "parentTag": "us-gaap_LiabilitiesCurrent", "weight": 1.0, "order": 3.0 } }, "presentation": { "http://www.hpe.com/role/ConsolidatedBalanceSheets": { "lang": { "en-us": { "role": { "terseLabel": "Employee compensation and benefits", "label": "Employee-related Liabilities, Current", "documentation": "Total of the carrying values as of the balance sheet date of obligations incurred through that date and payable for obligations related to services received from employees, such as accrued salaries and bonuses, payroll taxes and fringe benefits. Used to reflect the current portion of the liabilities (due within one year or within the normal operating cycle if longer)." } } }, "auth_ref": { "r150" } }, "us-gaap_EmployeeServiceShareBasedCompensationAllocationOfRecognizedPeriodCostsLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EmployeeServiceShareBasedCompensationAllocationOfRecognizedPeriodCostsLineItems", "presentation": { "http://www.hpe.com/role/StockBasedCompensationConsolidatedStatementofEarningsLocationofStockBasedCompensationExpenseDetails": { "lang": { "en-us": { "role": { "terseLabel": "Share-based Payment Arrangement, Expensed and Capitalized, Amount [Line Items]", "label": "Share-Based Payment Arrangement, Expensed and Capitalized, Amount [Line Items]", "documentation": "Line items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table." } } }, "auth_ref": { "r1445", "r1644", "r1844", "r1846" } }, "us-gaap_EmployeeServiceShareBasedCompensationNonvestedAwardsTotalCompensationCostNotYetRecognized": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EmployeeServiceShareBasedCompensationNonvestedAwardsTotalCompensationCostNotYetRecognized", "crdr": "debit", "presentation": { "http://www.hpe.com/role/StockBasedCompensationSummaryofRestrictedStockActivityDetails": { "lang": { "en-us": { "role": { "terseLabel": "Unrecognized pre-tax stock-based compensation expense", "label": "Share-Based Payment Arrangement, Nonvested Award, Cost Not Yet Recognized, Amount", "documentation": "Amount of cost not yet recognized for nonvested award under share-based payment arrangement." } } }, "auth_ref": { "r868" } }, "us-gaap_EmployeeServiceShareBasedCompensationNonvestedAwardsTotalCompensationCostNotYetRecognizedPeriodForRecognition1": { "xbrltype": "durationItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EmployeeServiceShareBasedCompensationNonvestedAwardsTotalCompensationCostNotYetRecognizedPeriodForRecognition1", "presentation": { "http://www.hpe.com/role/StockBasedCompensationSummaryofRestrictedStockActivityDetails": { "lang": { "en-us": { "role": { "terseLabel": "Remaining weighted-average vesting period over which pre-tax stock-based compensation expense is expected to be recognized", "label": "Share-Based Payment Arrangement, Nonvested Award, Cost Not Yet Recognized, Period for Recognition", "documentation": "Weighted-average period over which cost not yet recognized is expected to be recognized for award under share-based payment arrangement, in 'PnYnMnDnHnMnS' format, for example, 'P1Y5M13D' represents reported fact of one year, five months, and thirteen days." } } }, "auth_ref": { "r868" } }, "us-gaap_EmployeeServiceShareBasedCompensationTaxBenefitFromCompensationExpense": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EmployeeServiceShareBasedCompensationTaxBenefitFromCompensationExpense", "crdr": "credit", "calculation": { "http://www.hpe.com/role/StockBasedCompensationScheduleofStockBasedCompensationExpenseandResultingTaxBenefitsDetails": { "parentTag": "us-gaap_AllocatedShareBasedCompensationExpenseNetOfTax", "weight": 1.0, "order": 2.0 } }, "presentation": { "http://www.hpe.com/role/StockBasedCompensationScheduleofStockBasedCompensationExpenseandResultingTaxBenefitsDetails": { "lang": { "en-us": { "role": { "negatedTerseLabel": "Income tax benefit", "label": "Share-Based Payment Arrangement, Expense, Tax Benefit", "documentation": "Amount of tax benefit for recognition of expense of award under share-based payment arrangement." } } }, "auth_ref": { "r865" } }, "us-gaap_EmployeeSeveranceMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EmployeeSeveranceMember", "presentation": { "http://www.hpe.com/role/TransformationProgramsScheduleofRestructuringActivitiesDetails": { "lang": { "en-us": { "role": { "terseLabel": "Employee Severance", "label": "Employee Severance [Member]", "documentation": "Termination of an employee associated with exit from or disposal of business activities or restructurings pursuant to a plan." } } }, "auth_ref": { "r1445", "r1644", "r1844", "r1846" } }, "us-gaap_EmployeeStockMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EmployeeStockMember", "presentation": { "http://www.hpe.com/role/StockBasedCompensationEmployeeStockPurchasePlanDetails": { "lang": { "en-us": { "role": { "terseLabel": "Employee Stock Purchase Plan", "label": "Employee Stock [Member]", "documentation": "An Employee Stock Purchase Plan is a tax-efficient means by which employees of a corporation can purchase the corporation's stock." } } }, "auth_ref": { "r1445", "r1644", "r1844", "r1846" } }, "us-gaap_EmployeeStockOptionMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EmployeeStockOptionMember", "presentation": { "http://xbrl.sec.gov/ecd/role/AwardTimingDisclosure": { "lang": { "en-us": { "role": { "terseLabel": "Employee Stock Option", "label": "Share-Based Payment Arrangement, Option [Member]", "documentation": "Share-based payment arrangement granting right, subject to vesting and other restrictions, to purchase or sell certain number of shares at predetermined price for specified period of time." } } }, "auth_ref": { "r1445", "r1644", "r1844", "r1846" } }, "dei_EntityAddressAddressLine1": { "xbrltype": "normalizedStringItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityAddressAddressLine1", "presentation": { "http://www.hpe.com/role/CoverPage": { "lang": { "en-us": { "role": { "terseLabel": "Entity Address, Address Line One", "label": "Entity Address, Address Line One", "documentation": "Address Line 1 such as Attn, Building Name, Street Name" } } }, "auth_ref": { "r1445", "r1644", "r1844", "r1846" } }, "dei_EntityAddressCityOrTown": { "xbrltype": "normalizedStringItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityAddressCityOrTown", "presentation": { "http://www.hpe.com/role/CoverPage": { "lang": { "en-us": { "role": { "terseLabel": "Entity Address, City or Town", "label": "Entity Address, City or Town", "documentation": "Name of the City or Town" } } }, "auth_ref": { "r1445", "r1644", "r1844", "r1846" } }, "dei_EntityAddressPostalZipCode": { "xbrltype": "normalizedStringItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityAddressPostalZipCode", "presentation": { "http://www.hpe.com/role/CoverPage": { "lang": { "en-us": { "role": { "terseLabel": "Entity Address, Postal Zip Code", "label": "Entity Address, Postal Zip Code", "documentation": "Code for the postal or zip code" } } }, "auth_ref": { "r1445", "r1644", "r1844", "r1846" } }, "dei_EntityAddressStateOrProvince": { "xbrltype": "normalizedStringItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityAddressStateOrProvince", "presentation": { "http://www.hpe.com/role/CoverPage": { "lang": { "en-us": { "role": { "terseLabel": "Entity Address, State or Province", "label": "Entity Address, State or Province", "documentation": "Name of the state or province" } } }, "auth_ref": { "r1445", "r1644", "r1844", "r1846" } }, "dei_EntityCentralIndexKey": { "xbrltype": "centralIndexKeyItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityCentralIndexKey", "presentation": { "http://www.hpe.com/role/CoverPage": { "lang": { "en-us": { "role": { "terseLabel": "Entity Central Index Key", "label": "Entity Central Index Key", "documentation": "A unique 10-digit SEC-issued value to identify entities that have filed disclosures with the SEC. It is commonly abbreviated as CIK." } } }, "auth_ref": { "r1498" } }, "dei_EntityCommonStockSharesOutstanding": { "xbrltype": "sharesItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityCommonStockSharesOutstanding", "presentation": { "http://www.hpe.com/role/CoverPage": { "lang": { "en-us": { "role": { "terseLabel": "Entity Common Stock, Shares Outstanding", "label": "Entity Common Stock, Shares Outstanding", "documentation": "Indicate number of shares or other units outstanding of each of registrant's classes of capital or common stock or other ownership interests, if and as stated on cover of related periodic report. Where multiple classes or units exist define each class/interest by adding class of stock items such as Common Class A [Member], Common Class B [Member] or Partnership Interest [Member] onto the Instrument IDomain of the Entity Listings, Instrument." } } }, "auth_ref": { "r1445", "r1644", "r1844", "r1846" } }, "dei_EntityCurrentReportingStatus": { "xbrltype": "yesNoItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityCurrentReportingStatus", "presentation": { "http://www.hpe.com/role/CoverPage": { "lang": { "en-us": { "role": { "terseLabel": "Entity Current Reporting Status", "label": "Entity Current Reporting Status" } } }, "auth_ref": { "r1445", "r1644", "r1844", "r1846" } } } }

"documentation": "Indicate 'Yes' or 'No' whether registrants (1) have filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that registrants were required to file such reports); and (2) have been subject to such filing requirements for the past 90 days. This information should be based on the registrant's current or most recent filing containing the related disclosure." } } }, "auth_ref": { "role": { "deci_EntityDomain": { "xbrltype": "domainItem", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityDomain", "presentation": { "http://www.hpe.com/role/BorrowingsNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Entity {Domain}", "label": "Entity {Domain}", "documentation": "All the names of the entities being reported upon in a document. Any legal structure used to conduct activities or to hold assets. Some examples of such structures are corporations, partnerships, limited liability companies, grantor trusts, and other trusts. This item does not include business and geographical segments which are included in the geographical or business segments domains." } } }, "auth_ref": { "deci_EntityEmergingGrowthCompany": { "xbrltype": "booleanItem", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityEmergingGrowthCompany", "presentation": { "http://www.hpe.com/role/CoverPage": { "lang": { "en-us": { "role": { "terseLabel": "Entity Emerging Growth Company", "label": "Entity Emerging Growth Company", "documentation": "Indicate if registrant meets the emerging growth company criteria." } } }, "auth_ref": { "r1498": { "deci_EntityFileNumber": { "xbrltype": "fileNumberItem", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityFileNumber", "presentation": { "http://www.hpe.com/role/CoverPage": { "lang": { "en-us": { "role": { "terseLabel": "Entity File Number", "label": "Entity File Number", "documentation": "Commission file number. The field allows up to 17 characters. The prefix may contain 1-3 digits, the sequence number may contain 1-8 digits, the optional suffix may contain 1-4 characters, and the fields are separated with a hyphen." } } }, "auth_ref": { "deci_EntityFilerCategory": { "xbrltype": "filerCategoryItem", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityFilerCategory", "presentation": { "http://www.hpe.com/role/CoverPage": { "lang": { "en-us": { "role": { "terseLabel": "Entity Filer Category", "label": "Entity Filer Category", "documentation": "Indicate whether the registrant is one of the following: Large Accelerated Filer, Accelerated Filer, Non-accelerated Filer. Definitions of these categories are stated in Rule 12b-2 of the Exchange Act. This information should be based on the registrant's current or most recent filing containing the related disclosure." } } }, "auth_ref": { "r1498": { "deci_EntityIncorporationStateCountryCode": { "xbrltype": "edgarStateCountryItem", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityIncorporationStateCountryCode", "presentation": { "http://www.hpe.com/role/CoverPage": { "lang": { "en-us": { "role": { "terseLabel": "Entity Incorporation, State or Country Code", "label": "Entity Incorporation, State or Country Code", "documentation": "Two-character EDGAR code representing the state or country of incorporation." } } }, "auth_ref": { "deci_EntityInteractiveDataCurrent": { "xbrltype": "yesNoItem", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityInteractiveDataCurrent", "presentation": { "http://www.hpe.com/role/CoverPage": { "lang": { "en-us": { "role": { "terseLabel": "Entity Interactive Data Current", "label": "Entity Interactive Data Current", "documentation": "Boolean flag that is true when the registrant has submitted electronically every Interactive Data File required to be submitted pursuant to Rule 405 of Regulation S-T during the preceding 12 months (or for such shorter period that the registrant was required to submit such files)." } } }, "auth_ref": { "r1586": { "deci_EntityPublicFloat": { "xbrltype": "monetaryItem", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityPublicFloat", "crdr": "credit", "presentation": { "http://www.hpe.com/role/CoverPage": { "lang": { "en-us": { "role": { "terseLabel": "Entity Public Float", "label": "Entity Public Float", "documentation": "The aggregate market value of the voting and non-voting common equity held by non-affiliates computed by reference to the price at which the common equity was last sold, or the average bid and asked price of such common equity, as of the last business day of the registrant's most recently completed second fiscal quarter." } } }, "auth_ref": { "deci_EntityRegistrantName": { "xbrltype": "normalizedStringItem", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityRegistrantName", "presentation": { "http://www.hpe.com/role/CoverPage": { "lang": { "en-us": { "role": { "terseLabel": "Entity Registrant Name", "label": "Entity Registrant Name", "documentation": "The exact name of the entity filing the report as specified in its charter, which is required by forms filed with the SEC." } } }, "auth_ref": { "r1498": { "deci_EntityShellCompany": { "xbrltype": "booleanItem", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityShellCompany", "presentation": { "http://www.hpe.com/role/CoverPage": { "lang": { "en-us": { "role": { "terseLabel": "Entity Shell Company", "label": "Entity Shell Company", "documentation": "Boolean flag that is true when the registrant is a shell company as defined in Rule 12b-2 of the Exchange Act." } } }, "auth_ref": { "r1498": { "deci_EntitySmallBusiness": { "xbrltype": "booleanItem", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntitySmallBusiness", "presentation": { "http://www.hpe.com/role/CoverPage": { "lang": { "en-us": { "role": { "terseLabel": "Entity Small Business", "label": "Entity Small Business", "documentation": "Indicates that the company is a Smaller Reporting Company (SRC)." } } }, "auth_ref": { "r1498": { "deci_EntityTaxIdentificationNumber": { "xbrltype": "employerIdItem", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityTaxIdentificationNumber", "presentation": { "http://www.hpe.com/role/CoverPage": { "lang": { "en-us": { "role": { "terseLabel": "Entity Tax Identification Number", "label": "Entity Tax Identification Number", "documentation": "The Tax Identification Number (TIN), also known as an Employer Identification Number (EIN), is a unique 9-digit value assigned by the IRS." } } }, "auth_ref": { "r1498": { "deci_EntityVoluntaryFilers": { "xbrltype": "yesNoItem", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityVoluntaryFilers", "presentation": { "http://www.hpe.com/role/CoverPage": { "lang": { "en-us": { "role": { "terseLabel": "Entity Voluntary Filers", "label": "Entity Voluntary Filers", "documentation": "Indicate 'Yes' or 'No' if the registrant is not required to file reports pursuant to Section 13 or Section 15(d) of the Act." } } }, "auth_ref": { "deci_EntityWellKnownSeasonedIssuer": { "xbrltype": "yesNoItem", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityWellKnownSeasonedIssuer", "presentation": { "http://www.hpe.com/role/CoverPage": { "lang": { "en-us": { "role": { "terseLabel": "Entity Well-known Seasoned Issuer", "label": "Entity Well-known Seasoned Issuer", "documentation": "Indicate 'Yes' or 'No' if the registrant is a well-known seasoned issuer, as defined in Rule 405 of the Securities Act. Is used on Form Type: 10-K, 10-Q, 8-K, 20-F, 6-K, 10-K/A, 10-Q/A, 20-F/A, 6-K/A, N-CSR, N-O, N-1A." } } }, "auth_ref": { "r1587": { "ecd_EqtyAwrdsAdjFnTextBlock": { "xbrltype": "textBlockItem", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "EqtyAwrdsAdjFnTextBlock", "presentation": { "http://xbrl.sec.gov/ecd/role/PvpDisclosure": { "lang": { "en-us": { "role": { "terseLabel": "Equity Awards Adjustments, Footnote", "label": "Equity Awards Adjustments, Footnote [Text Block]" } } }, "auth_ref": { "r1540": { "ecd_EqtyAwrdsAdjExclgValRprtInSummryCompstnTblMember": { "xbrltype": "domainItem", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "EqtyAwrdsAdjExclgValRprtInSummryCompstnTblMember", "presentation": { "http://xbrl.sec.gov/ecd/role/PvpDisclosure": { "lang": { "en-us": { "role": { "terseLabel": "Equity Awards Adjustments, Excluding Value Reported in Compensation Table", "label": "Equity Awards Adjustments, Excluding Value Reported in the Compensation Table [Member]" } } }, "auth_ref": { "r1582": { "ecd_EqtyAwrdsAdjMember": { "xbrltype": "domainItem", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "EqtyAwrdsAdjMember", "presentation": { "http://xbrl.sec.gov/ecd/role/PvpDisclosure": { "lang": { "en-us": { "role": { "terseLabel": "Equity Awards Adjustments", "label": "Equity Awards Adjustments [Member]" } } }, "auth_ref": { "r1582": { "ecd_EqtyAwrdsInSummryCompstnTblForApblYrMember": { "xbrltype": "domainItem", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "EqtyAwrdsInSummryCompstnTblForApblYrMember", "presentation": { "http://xbrl.sec.gov/ecd/role/PvpDisclosure": { "lang": { "en-us": { "role": { "terseLabel": "Aggregate Grant Date Fair Value of Equity Award Amounts Reported in Summary Compensation Table", "label": "Aggregate Grant Date Fair Value of Equity Award Amounts Reported in Summary Compensation Table [Member]" } } }, "auth_ref": { "r1582": { "hpe_EquitiesAtNAVMember": { "xbrltype": "domainItem", "nsuri": "http://www.hpe.com/20241031", "localname": "EquitiesAtNAVMember", "presentation": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansFairValueofNonUDefinedBenefitPlanAssetsbyAssetCategoryWithintheFairValueHierarchyDetails": { "lang": { "en-us": { "role": { "terseLabel": "Equities at NAV", "label": "Equities At NAV [Member]", "documentation": "Equities At NAV [Member]" } } }, "auth_ref": { "us-gaap_EquityClassOfTreasuryStockLineItems": { "xbrltype": "stringItem", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EquityClassOfTreasuryStockLineItems", "presentation": { "http://www.hpe.com/role/StockholdersEquityNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Equity, Class of Treasury Stock [Line Items]", "label": "Equity, Class of Treasury Stock [Line Items]", "documentation": "Line items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table." } } }, "auth_ref": { "us-gaap_EquityComponentDomain": { "xbrltype": "domainItem", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EquityComponentDomain", "presentation": { "http://www.hpe.com/role/ConsolidatedStatementsOfStockholdersEquity", "http://www.hpe.com/role/StockholdersEquityComponentsofAOCIDetails": { "lang": { "en-us": { "role": { "terseLabel": "Equity Component {Domain}", "label": "Equity Component {Domain}", "documentation": "Components of equity are the parts of the total equity balance including that which is allocated to common, preferred, treasury stock, retained earnings, etc." } } }, "auth_ref": { "r30": "r342": "r389": "r390": "r391": "r417": "r418": "r419": "r421": "r426": "r428": "r430": "r458": "r550": "r551": "r621": "r734": "r921": "r922": "r932": "r933": "r934": "r936": "r939": "r940": "r959": "r960": "r961": "r962": "r963": "r964": "r967": "r999": "r1001": "r1002": "r1003": "r1004": "r1005": "r1010": "r1013": "r1039": "r1145": "r1175": "r1176": "r1177": "r1197": "r1274" } } }, "us-gaap_EquityMethodInvesteeMember": { "xbrltype": "domainItem", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EquityMethodInvesteeMember", "presentation": { "http://www.hpe.com/role/EquityInterestsNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Equity Method Investee", "label": "Equity Method Investee [Member]", "documentation": "An entity that issued voting stock held by an investor and that is accounted for under the equity method of accounting by the investor." } } }, "auth_ref": { "r1896": "r1897": { "srt_EquityMethodInvesteeNameDomain": { "xbrltype": "domainItem", "nsuri": "http://fasb.org/srt/2024", "localname": "EquityMethodInvesteeNameDomain", "presentation": { "http://www.hpe.com/role/AcquisitionsandDispositionsNarrativeDetails": { "http://www.hpe.com/role/EquityInterestsEarningsfromEquityInterestDetails", "http://www.hpe.com/role/EquityInterestsNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Investment, Name {Domain}", "label": "Investment, Name {Domain}", "documentation": "Name of investment including named security. Excludes entity that is consolidated." } } }, "auth_ref": { "r544": "r545": "r547": "r931": "r1589": "r1590": "r1591": "r1856": "r1857": "r1858": "r1859" } } }, "hpe_EquityMethodInvestmentAmortizationOfDifferenceInBasis": { "xbrltype": "monetaryItem", "nsuri": "http://www.hpe.com/20241031", "localname": "EquityMethodInvestmentAmortizationOfDifferenceInBasis", "crdr": "debit", "calculation": { "http://www.hpe.com/role/EquityInterestsEarningsfromEquityInterestDetails": { "parentTag": "us-gaap_IncomeLossFromEquityMethodInvestments", "weight": 1.0, "order": 2.0 } } }, "presentation": { "http://www.hpe.com/role/EquityInterestsEarningsfromEquityInterestDetails": { "lang": { "en-us": { "role": { "negatedTerseLabel": "Basis difference amortization", "label": "Equity Method Investment, Amortization Of Difference In Basis", "documentation": "Equity Method Investment, Amortization Of Difference In Basis" } } }, "auth_ref": { "us-gaap_EquityMethodInvestmentDifferenceBetweenCarryingAmountAndUnderlyingEquity": { "xbrltype": "monetaryItem", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EquityMethodInvestmentDifferenceBetweenCarryingAmountAndUnderlyingEquity", "crdr": "debit", "presentation": { "http://www.hpe.com/role/EquityInterestsNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Basis difference", "label": "Equity Method Investment, Difference Between Carrying Amount and Underlying Equity", "documentation": "Difference between amount at which an investment accounted for under the equity method of accounting is carried (reported) on the balance sheet and amount of underlying equity in net assets the reporting entity has in the investee." } } }, "auth_ref": { "r546": { "us-gaap_EquityMethodInvestmentDividendsOrDistributions": { "xbrltype": "monetaryItem", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EquityMethodInvestmentDividendsOrDistributions", "crdr": "debit", "calculation": { "http://www.hpe.com/role/ConsolidatedStatementsOfCashFlows": { "parentTag": "us-gaap_NetCashProvidedByUsedInOperatingActivities", "weight": 1.0, "order": 9.0 } } }, "presentation": { "http://www.hpe.com/role/ConsolidatedStatementsOfCashFlows": { "lang": { "en-us": { "role": { "terseLabel": "Dividends received from equity investees", "label": "Proceeds from Equity Method Investment, Distribution", "documentation": "Amount of distribution received from equity method investee for return on investment, classified as operating activities. Excludes distribution for return of investment, classified as investing activities." } } }, "auth_ref": { "r15": "r17": "r178": "r1141" } } }, "us-gaap_EquityMethodInvestmentOtherThanTemporaryImpairment": { "xbrltype": "monetaryItem", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EquityMethodInvestmentOtherThanTemporaryImpairment", "crdr": "debit", "presentation": { "http://www.hpe.com/role/EquityInterestsNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Equity method investment, other than temporary impairment", "label": "Equity Method Investment, Other-Than-Temporary Impairment", "documentation": "Amount of other-than-temporary decline in value that has been recognized against investment accounted for under equity method of accounting." } } }, "auth_ref": { "r1686": { "us-gaap_EquityMethodInvestmentOwnershipPercentage": { "xbrltype": "percentItem", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EquityMethodInvestmentOwnershipPercentage", "presentation": { "http://www.hpe.com/role/EquityInterestsNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Ownership", "label": "Equity Method Investment, Ownership Percentage", "documentation": "The percentage of ownership of common stock or equity participation in the investee accounted for under the equity method of accounting." } } }, "auth_ref": { "r544": { "hpe_EquityMethodInvestmentPutSharePurchaseAgreementIssuedCapitalPercentage": { "xbrltype": "pureItem", "nsuri": "http://www.hpe.com/20241031", "localname": "EquityMethodInvestmentPutSharePurchaseAgreementIssuedCapitalPercentage", "presentation": { "http://www.hpe.com/role/AcquisitionsandDispositionsNarrativeDetails": { "http://www.hpe.com/role/EquityInterestsNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Equity Method Investment, Put Share Purchase Agreement, Issued Capital, Percentage", "label": "Equity Method Investment, Put Share Purchase Agreement, Issued Capital, Percentage", "documentation": "Equity Method Investment, Put Share Purchase Agreement, Issued Capital, Percentage" } } }, "auth_ref": { "hpe_EquityMethodInvestmentPutSharePurchaseAgreementTotalConsideration": { "xbrltype": "monetaryItem", "nsuri": "http://www.hpe.com/20241031", "localname": "EquityMethodInvestmentPutSharePurchaseAgreementTotalConsideration", "crdr": "debit", "presentation": { "http://www.hpe.com/role/EquityInterestsNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Put share purchase agreement", "label": "Equity Method Investment, Put Share Purchase Agreement, Total Consideration", "documentation": "Equity Method Investment, Put Share Purchase Agreement, Total Consideration" } } }, "auth_ref": { "hpe_EquityMethodInvestmentPutSharePurchaseAgreementTotalConsiderationNetOffTax": { "xbrltype": "monetaryItem", "nsuri": "http://www.hpe.com/20241031", "localname": "EquityMethodInvestmentPutSharePurchaseAgreementTotalConsiderationNetOffTax", "crdr": "debit", "presentation": { "http://www.hpe.com/role/EquityInterestsNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Put share purchase agreement, net of tax", "label": "Equity Method Investment, Put Share Purchase Agreement, Total Consideration, Net Off Tax", "documentation": "Equity Method Investment, Put Share Purchase Agreement, Total

Consideration, Net Of Tax" } } } , "auth_ref": { } } , "us-gaap_EquityMethodInvestmentRealizedGainLossOnDisposal": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EquityMethodInvestmentRealizedGainLossOnDisposal", "crdr": "credit", "calculation": { "http://www.hpe.com/role/ConsolidatedStatementsOfEarnings": { "parentTag": "us-gaap_IncomeLossFromContinuingOperationsBeforeIncomeTaxesExtraordinaryItemsNoncontrollingInterest", "weight": 1.0, "order": 4.0 }, "http://www.hpe.com/role/SegmentInformationReconciliationofSegmentOperatingResultsDetails": { "parentTag": "us-gaap_IncomeLossFromContinuingOperationsBeforeIncomeTaxesExtraordinaryItemsNoncontrollingInterest", "weight": 1.0, "order": 13.0 }, "http://www.hpe.com/role/ConsolidatedStatementsOfCashFlows": { "parentTag": "us-gaap_NetCashProvidedByUsedInOperatingActivities", "weight": -1.0, "order": 18.0 } } } , "presentation": { "http://www.hpe.com/role/ConsolidatedStatementsOfCashFlows": { "parentTag": "us-gaap_NetCashProvidedByUsedInOperatingActivities", "weight": -1.0, "order": 18.0 } } } , "http://www.hpe.com/role/EquityInterestsNarrativeDetails": { "http://www.hpe.com/role/SegmentInformationReconciliationofSegmentOperatingResultsDetails": { "lang": { "en-us": { "role": { "terseLabel": "Gain on sale of equity interest", "negatedTerseLabel": "Gain on sale of equity interest", "label": "Equity Method Investment, Realized Gain (Loss) on Disposal", "documentation": "Amount of gain (loss) on sale or disposal of an equity method investment." } } } , "auth_ref": { "r1633", "r1635", "r1639" } } , "us-gaap_EquityMethodInvestments": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EquityMethodInvestments", "crdr": "debit", "calculation": { "http://www.hpe.com/role/ConsolidatedBalanceSheets": { "parentTag": "us-gaap_Assets", "weight": 1.0, "order": 4.0 } } } , "presentation": { "http://www.hpe.com/role/ConsolidatedBalanceSheets": { "http://www.hpe.com/role/EquityInterestsNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Investments in equity interests", "label": "Equity Method Investments", "documentation": "This item represents the carrying amount on the entity's balance sheet of its investment in common stock of an equity method investee. This is not an indicator of the fair value of the investment, rather it is the initial cost adjusted for the entity's share of earnings and losses of the investee, adjusted for any distributions (dividends) and other than temporary impairment (OTTI) losses recognized." } } } , "auth_ref": { "r456", "r476", "r495", "r542", "r1623", "r1687" } } } , "us-gaap_EquityMethodInvestmentsAndJointVenturesAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EquityMethodInvestmentsAndJointVenturesAbstract", "lang": { "en-us": { "role": { "terseLabel": "Equity Method Investments and Joint Ventures [Abstract]", "label": "Equity Method Investments and Joint Ventures [Abstract]" } } } , "auth_ref": { } } , "us-gaap_EquityMethodInvestmentsDisclosureTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EquityMethodInvestmentsDisclosureTextBlock", "presentation": { "http://www.hpe.com/role/EquityInterests": { "lang": { "en-us": { "role": { "terseLabel": "Equity Interests", "label": "Equity Method Investments and Joint Ventures Disclosure [Text Block]", "documentation": "The entire disclosure for equity method investments and joint ventures. Equity method investments are investments that give the investor the ability to exercise significant influence over the operating and financial policies of an investee. Joint ventures are entities owned and operated by a small group of businesses as a separate and specific business or project for the mutual benefit of the members of the group." } } } , "auth_ref": { "r295", "r546", "r549", "r1591" } } } , "us-gaap_EquityMethodInvestmentsPolicy": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EquityMethodInvestmentsPolicy", "presentation": { "http://www.hpe.com/role/OverviewandSummaryofSignificantAccountingPoliciesPolicies": { "lang": { "en-us": { "role": { "terseLabel": "Equity Method Investments", "label": "Equity Method Investments [Policy Text Block]", "documentation": "Disclosure of accounting policy for equity method of accounting for investments and other interests. Investment includes, but is not limited to, unconsolidated subsidiary, corporate joint venture, noncontrolling interest in real estate venture, limited partnership, and limited liability company. Information includes, but is not limited to, ownership percentage, reason equity method is or is not considered appropriate, and accounting policy election for distribution received." } } } , "auth_ref": { "r15", "r140", "r545" } } } , "us-gaap_EquityMethodInvestmentsTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EquityMethodInvestmentsTextBlock", "presentation": { "http://www.hpe.com/role/EquityInterestsTables": { "lang": { "en-us": { "role": { "terseLabel": "Equity Method Investments", "label": "Equity Method Investments [Table Text Block]", "documentation": "Tabular disclosure of equity method investments including, but not limited to, name of each investee or group of investments, percentage ownership, difference between recorded amount of an investment and the value of the underlying equity in the net assets, and summarized financial information." } } } , "auth_ref": { "r543" } } } , "us-gaap_EquitySecuritiesFvNiUnrealizedGainLoss": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EquitySecuritiesFvNiUnrealizedGainLoss", "crdr": "credit", "presentation": { "http://www.hpe.com/role/FairValueNarrativeDetails": { "http://www.hpe.com/role/FinancialInstrumentsNarrativeDetails": { "lang": { "en-us": { "role": { "negatedTerseLabel": "Unrealized gains (losses) on equity securities", "label": "Equity Securities, FV-NI, Unrealized Gain (Loss)", "documentation": "Amount of unrealized gain (loss) on investment in equity security measured at fair value with change in fair value recognized in net income (FV-NI)." } } } , "auth_ref": { "r1151", "r1685" } } } , "us-gaap_EquitySecuritiesMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EquitySecuritiesMember", "presentation": { "http://www.hpe.com/role/FairValueScheduleofAssetsandLiabilitiesonaRecurringBasisDetails": { "lang": { "en-us": { "role": { "terseLabel": "Equity investments", "label": "Equity Securities [Member]", "documentation": "Ownership interest or right to acquire or dispose of ownership interest in corporations and other legal entities for which ownership interest is represented by shares of common or preferred stock, convertible securities, stock rights, or stock warrants." } } } , "auth_ref": { "r73", "r1463", "r1490", "r1491", "r1492", "r1955" } } } , "hpe_EquitySecuritiesPublicCompaniesMember": { "xbrltype": "domainItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "EquitySecuritiesPublicCompaniesMember", "presentation": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansWeightedAverageTargetandActualAssetAllocationsAcrossNonUSDefinedBenefitPlansDetails": { "lang": { "en-us": { "role": { "terseLabel": "Public equity securities", "label": "Equity Securities Public Companies [Member]", "documentation": "Ownership interest or right to acquire or dispose of ownership interest in publicly held corporations and other legal entities for which ownership interest is represented by shares of common or preferred stock, convertible securities, stock rights, or stock warrants." } } } , "auth_ref": { } } , "us-gaap_EquitySecuritiesWithoutReadilyDeterminableFairValueAmount": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EquitySecuritiesWithoutReadilyDeterminableFairValueAmount", "crdr": "debit", "presentation": { "http://www.hpe.com/role/FinancialInstrumentsNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Investment amount", "label": "Equity Securities without Readily Determinable Fair Value, Amount", "documentation": "Amount of investment in equity security without readily determinable fair value." } } } , "auth_ref": { "r539" } } } , "us-gaap_EquitySecuritiesWithoutReadilyDeterminableFairValueDownwardPriceAdjustmentCumulativeAmount": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EquitySecuritiesWithoutReadilyDeterminableFairValueDownwardPriceAdjustmentCumulativeAmount", "crdr": "debit", "presentation": { "http://www.hpe.com/role/FairValueNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Equity securities without readily determinable fair value, downward price adjustment, cumulative amount", "label": "Equity Securities without Readily Determinable Fair Value, Downward Price Adjustment, Cumulative Amount", "documentation": "Amount of cumulative loss from downward price adjustment on investment in equity security without readily determinable fair value." } } } , "auth_ref": { "r540" } } } , "us-gaap_EquitySecuritiesWithoutReadilyDeterminableFairValueImpairmentLossAnnualAmount": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EquitySecuritiesWithoutReadilyDeterminableFairValueImpairmentLossAnnualAmount", "crdr": "debit", "presentation": { "http://www.hpe.com/role/FairValueNarrativeDetails": { "http://www.hpe.com/role/FinancialInstrumentsNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Equity securities without readily determinable fair value, impairment loss, amount", "label": "Equity Securities without Readily Determinable Fair Value, Impairment Loss, Annual Amount", "documentation": "Amount of impairment loss on investment in equity security without readily determinable fair value." } } } , "auth_ref": { "r540" } } } , "us-gaap_EquitySecuritiesWithoutReadilyDeterminableFairValueUpwardPriceAdjustmentCumulativeAmount": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EquitySecuritiesWithoutReadilyDeterminableFairValueUpwardPriceAdjustmentCumulativeAmount", "crdr": "credit", "presentation": { "http://www.hpe.com/role/FairValueNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Equity securities without readily determinable fair value, upward price adjustment, cumulative amount", "label": "Equity Securities without Readily Determinable Fair Value, Upward Price Adjustment, Cumulative Amount", "documentation": "Amount of cumulative gain from upward price adjustment on investment in equity security without readily determinable fair value." } } } , "auth_ref": { "r541" } } } , "ecd_EquityValuationAssumptionDifferenceFnTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "EquityValuationAssumptionDifferenceFnTextBlock", "presentation": { "http://xbrl.sec.gov/ecd/role/PvpDisclosure": { "lang": { "en-us": { "role": { "terseLabel": "Equity Valuation Assumption Difference, Footnote", "label": "Equity Valuation Assumption Difference, Footnote [Text Block]" } } } , "auth_ref": { "r1550" } } } , "ecd_ErrCompAnalysisTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "ErrCompAnalysisTextBlock", "presentation": { "http://xbrl.sec.gov/ecd/role/ErrCompDisclosure": { "lang": { "en-us": { "role": { "terseLabel": "Erroneous Compensation Analysis", "label": "Erroneous Compensation Analysis [Text Block]" } } } , "auth_ref": { "r1507", "r1518", "r1528", "r1561" } } } , "ecd_ErrCompRecoveryTable": { "xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "ErrCompRecoveryTable", "presentation": { "http://xbrl.sec.gov/ecd/role/ErrCompDisclosure": { "lang": { "en-us": { "role": { "terseLabel": "Erroneously Awarded Compensation Recovery", "label": "Erroneously Awarded Compensation Recovery [Table]" } } } , "auth_ref": { "r1504", "r1515", "r1525", "r1558" } } } , "us-gaap_EstimateOffFairValueFairValueDisclosureMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EstimateOffFairValueFairValueDisclosureMember", "presentation": { "http://www.hpe.com/role/FinancialInstrumentsCashEquivalentsandAvailableforSaleInvestmentsDetails": { "lang": { "en-us": { "role": { "terseLabel": "Fair Value", "label": "Estimate of Fair Value Measurement [Member]", "documentation": "Measured as an estimate of fair value." } } } , "auth_ref": { "r700", "r991", "r1422", "r1423" } } } , "hpe_EuroCommercialPaperCertificateofDepositProgrammeMember": { "xbrltype": "domainItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "EuroCommercialPaperCertificateofDepositProgrammeMember", "presentation": { "http://www.hpe.com/role/BorrowingsNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Euro Commercial Paper/Certificate of Deposit Programme", "label": "Euro Commercial Paper Certificate of Deposit Programme [Member]", "documentation": "Euro Commercial Paper Certificate of Deposit Programme [Member]" } } } , "auth_ref": { } } , "hpe_EuroCommercialPaperProgramMember": { "xbrltype": "domainItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "EuroCommercialPaperProgramMember", "presentation": { "http://www.hpe.com/role/BorrowingsNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Euro program", "label": "Euro Commercial Paper Program [Member]", "documentation": "Euro Commercial Paper Program [Member]" } } } , "auth_ref": { } } , "ecd_ExecutiveCategoryAxis": { "xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "ExecutiveCategoryAxis", "presentation": { "http://xbrl.sec.gov/ecd/role/PvpDisclosure": { "lang": { "en-us": { "role": { "terseLabel": "Executive Category", "label": "Executive Category [Axis]" } } } , "auth_ref": { "r1556" } } } , "us-gaap_FairValueAssetsAndLiabilitiesMeasuredOnRecurringAndNonrecurringBasisLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FairValueAssetsAndLiabilitiesMeasuredOnRecurringAndNonrecurringBasisLineItems", "presentation": { "http://www.hpe.com/role/FairValueNarrativeDetails": { "http://www.hpe.com/role/FairValueScheduleofAssetsandLiabilitiesonaRecurringBasisDetails": { "lang": { "en-us": { "role": { "terseLabel": "Financial assets and liabilities measured at fair value on a recurring basis", "label": "Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items]", "documentation": "Line items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table." } } } , "auth_ref": { "r971", "r972", "r982", "r1449" } } } , "us-gaap_FairValueAssetsAndLiabilitiesMeasuredOnRecurringAndNonrecurringBasisTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FairValueAssetsAndLiabilitiesMeasuredOnRecurringAndNonrecurringBasisTable", "presentation": { "http://www.hpe.com/role/FairValueNarrativeDetails": { "http://www.hpe.com/role/FairValueScheduleofAssetsandLiabilitiesonaRecurringBasisDetails": { "lang": { "en-us": { "role": { "terseLabel": "Fair Value, Recurring and Nonrecurring [Table]", "label": "Fair Value, Recurring and Nonrecurring [Table]", "documentation": "Disclosure of information about asset and liability measured at fair value on recurring and nonrecurring basis." } } } , "auth_ref": { "r971", "r972", "r982", "r1449" } } } , "us-gaap_FairValueByFairValueHierarchyLevelAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FairValueByFairValueHierarchyLevelAxis", "presentation": { "http://www.hpe.com/role/FairValueNarrativeDetails": { "http://www.hpe.com/role/FairValueScheduleofAssetsandLiabilitiesonaRecurringBasisDetails": { "lang": { "en-us": { "role": { "terseLabel": "Fair Value, Recurring and Nonrecurring [Table]", "label": "Fair Value, Recurring and Nonrecurring [Table]", "documentation": "Disclosure of information about asset and liability measured at fair value on recurring and nonrecurring basis." } } } , "auth_ref": { "r700", "r1422", "r1423" } } } , "us-gaap_FairValueByMeasurementFrequencyAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FairValueByMeasurementFrequencyAxis", "presentation": { "http://www.hpe.com/role/FairValueScheduleofAssetsandLiabilitiesonaRecurringBasisDetails": { "lang": { "en-us": { "role": { "terseLabel": "Measurement Frequency [Axis]", "label": "Measurement Frequency [Axis]", "documentation": "Information by measurement frequency." } } } , "auth_ref": { "r971", "r972", "r973", "r975", "r1449", "r1873", "r1884" } } } , "us-gaap_FairValueDisclosureItemAmountsDomain": { "xbrltype": "domainItemType", "nsuri":

"http://fasb.org/us-gaap/2024", "localname": "FairValueDisclosureItemAmountsDomain", "presentation": {
"http://www.hpe.com/role/FinancialInstrumentsCashEquivalentsAndAvailableForSaleInvestmentsDetails": {
"lang": { "en-us": { "role": { "terseLabel": "Measurement Frequency
[Domain]", "label": "Fair Value Measurement [Domain]", "documentation": "Measurement basis, for example, but not limited to, reported value, fair value, portion at fair value, portion at other than fair value." } } }, "auth_ref": { "r700", "r1422", "r1423" } }, "us-gaap_FairValueDisclosuresAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FairValueDisclosuresAbstract", "lang": { "en-us": { "role": { "terseLabel": "Fair Value Disclosures [Abstract]", "label": "Fair Value Disclosures [Abstract]" } } }, "auth_ref": { "r116" } }, "us-gaap_FairValueDisclosuresTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FairValueDisclosuresTextBlock", "presentation": { "http://www.hpe.com/role/FairValue": { "lang": { "en-us": { "role": { "terseLabel": "Fair Value", "label": "Fair Value Disclosures [Text Block]", "documentation": "The entire disclosure for the fair value of financial instruments (as defined), including financial assets and financial liabilities (collectively, as defined), and the measurements of those instruments as well as disclosures related to the fair value of non-financial assets and liabilities. Such disclosures about the financial instruments, assets, and liabilities would include: (1) the fair value of the required items together with their carrying amounts (as appropriate); (2) for items for which it is not practicable to estimate fair value, disclosure would include: (a) information pertinent to estimating fair value (including, carrying amount, effective interest rate, and maturity, and (b) the reasons why it is not practicable to estimate fair value; (3) significant concentrations of credit risk including: (a) information about the activity, region, or economic characteristics identifying a concentration, (b) the maximum amount of loss the entity is exposed to based on the gross fair value of the related item, (c) policy for requiring collateral or other security and information as to accessing such collateral or security, and (d) the nature and brief description of such collateral or security; (4) quantitative information about market risks and how such risks are managed; (5) for items measured on both a recurring and nonrecurring basis information regarding the inputs used to develop the fair value measurement; and (6) for items presented in the financial statement for which fair value measurement is elected: (a) information necessary to understand the reasons for the election, (b) discussion of the effect of fair value changes on earnings, (c) a description of [similar groups] items for which the election is made and the relation thereof to the balance sheet, the aggregate carrying value of items included in the measurement sheet that are not eligible for the election; (7) all other required (as defined) and desired information." } } }, "auth_ref": { "r977", "r979", "r980", "r981", "r984", "r985", "r986", "r987", "r988", "r1116", "r1449", "r1454" } }, "us-gaap_FairValueHedgingMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FairValueHedgingMember", "presentation": { "http://www.hpe.com/role/FinancialInstrumentsGrossNotionalandFairValueofInstrumentsintheBalanceSheetsDetails": { "lang": { "en-us": { "role": { "terseLabel": "Fair Value Hedges", "label": "Fair Value Hedging [Member]", "documentation": "A hedge of the exposure to changes in the fair value of a recognized asset or liability, or of an unrecognized firm commitment, that are attributable to a particular risk." } } }, "auth_ref": { "r116" } }, "us-gaap_FairValueInputsLevel1Member": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FairValueInputsLevel1Member", "presentation": { "http://www.hpe.com/role/FairValueScheduleofAssetsandLiabilitiesonaRecurringBasisDetails": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansFairValueofNonUSDefinedBenefitPlanAssetsbyAssetCategoryWithintheFairValueHierarchyDetails": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Levelu00a01", "label": "Fair Value, Inputs, Level 1 [Member]", "documentation": "Quoted prices in active markets for identical assets or liabilities that the reporting entity can access at the measurement date." } } }, "auth_ref": { "r700", "r769", "r774", "r972", "r982", "r1048", "r1430", "r1431", "r1432", "r1449" } }, "us-gaap_FairValueInputsLevel2Member": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FairValueInputsLevel2Member", "presentation": { "http://www.hpe.com/role/FairValueScheduleofAssetsandLiabilitiesonaRecurringBasisDetails": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansFairValueofNonUSDefinedBenefitPlanAssetsbyAssetCategoryWithintheFairValueHierarchyDetails": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Levelu00a02", "label": "Fair Value, Inputs, Level 2 [Member]", "documentation": "Inputs other than quoted prices included within level 1 that are observable for an asset or liability, either directly or indirectly, including, but not limited to, quoted prices for similar assets or liabilities in active markets, or quoted prices for identical or similar assets or liabilities in inactive markets." } } }, "auth_ref": { "r700", "r769", "r774", "r972", "r973", "r982", "r1049", "r1422", "r1423", "r1430", "r1431", "r1432", "r1449" } }, "us-gaap_FairValueInputsLevel3Member": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FairValueInputsLevel3Member", "presentation": { "http://www.hpe.com/role/FairValueNarrativeDetails": { "http://www.hpe.com/role/FairValueScheduleofAssetsandLiabilitiesonaRecurringBasisDetails": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansChangesinFairValueMeasurementsoffLevel3InvestmentsfortheNonUSDefinedBenefitPlansDetails": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansFairValueofNonUSDefinedBenefitPlanAssetsbyAssetCategoryWithintheFairValueHierarchyDetails": { "lang": { "en-us": { "role": { "terseLabel": "Levelu00a03", "label": "Fair Value, Inputs, Level 3 [Member]", "documentation": "Unobservable inputs that reflect the entity's own assumption about the assumptions market participants would use in pricing." } } }, "auth_ref": { "r700", "r769", "r770", "r771", "r772", "r773", "r774", "r972", "r973", "r974", "r975", "r982", "r1050", "r1422", "r1423", "r1430", "r1431", "r1432", "r1449", "r1453" } }, "us-gaap_FairValueMeasurementFrequencyDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FairValueMeasurementFrequencyDomain", "presentation": { "http://www.hpe.com/role/FairValueScheduleofAssetsandLiabilitiesonaRecurringBasisDetails": { "lang": { "en-us": { "role": { "terseLabel": "Measurement Frequency [Domain]", "label": "Measurement Frequency [Domain]", "documentation": "Measurement frequency." } } }, "auth_ref": { "r971", "r972", "r973", "r975", "r1449", "r1873", "r1884" } }, "us-gaap_FairValueMeasurementPolicyTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FairValueMeasurementPolicyTextBlock", "presentation": { "http://www.hpe.com/role/OverviewandSummaryofSignificantAccountingPoliciesPolicies": { "lang": { "en-us": { "role": { "terseLabel": "Fair Value", "label": "Fair Value Measurement, Policy [Policy Text Block]", "documentation": "Disclosure of accounting policy for fair value measurements of financial and non-financial assets, liabilities and instruments classified in shareholders' equity. Disclosures include, but are not limited to, how an entity that manages a group of financial assets and liabilities on the basis of its net exposure measures the fair value of those assets and liabilities." } } }, "auth_ref": { "r116" } }, "us-gaap_FairValueMeasurementsFairValueHierarchyDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FairValueMeasurementsFairValueHierarchyDomain", "presentation": { "http://www.hpe.com/role/FairValueNarrativeDetails": { "http://www.hpe.com/role/FairValueScheduleofAssetsandLiabilitiesonaRecurringBasisDetails": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansChangesinFairValueMeasurementsoffLevel3InvestmentsfortheNonUSDefinedBenefitPlansDetails": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansFairValueofNonUSDefinedBenefitPlanAssetsbyAssetCategoryWithintheFairValueHierarchyDetails": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Fair Value Hierarchy and NAV [Domain]", "label": "Fair Value Hierarchy and NAV [Domain]", "documentation": "Categories used to prioritize the inputs to valuation techniques to measure fair value." } } }, "auth_ref": { "r700", "r769", "r770", "r771", "r772", "r773", "r774", "r970", "r972", "r973", "r974", "r975", "r981", "r982", "r984", "r1048", "r1049", "r1050", "r1422", "r1423", "r1430", "r1431", "r1432", "r1449", "r1453" } }, "us-gaap_FairValueMeasurementsRecurringMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FairValueMeasurementsRecurringMember", "presentation": { "http://www.hpe.com/role/FairValueScheduleofAssetsandLiabilitiesonaRecurringBasisDetails": { "lang": { "en-us": { "role": { "terseLabel": "Fair Value, Measurements, Recurring", "label": "Fair Value, Recurring [Member]", "documentation": "Frequent fair value measurement. Includes, but is not limited to, fair value adjustment for impairment of asset, liability or equity, frequently measured at fair value." } } }, "auth_ref": { "r1449", "r1870", "r1871", "r1872", "r1873", "r1874", "r1884" } }, "us-gaap_FairValuesDerivativesBalanceSheetLocationByDerivativeContractTypeByHedgingDesignationTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FairValuesDerivativesBalanceSheetLocationByDerivativeContractTypeByHedgingDesignationTable", "presentation": { "http://www.hpe.com/role/FinancialInstrumentsAmountsRecordedintheBalanceSheetsDetails": { "http://www.hpe.com/role/FinancialInstrumentsGrossNotionalandFairValueofInstrumentsintheBalanceSheetsDetails": { "lang": { "en-us": { "role": { "terseLabel": "Fair Values Derivatives, Balance Sheet Location, by Derivative Contract Type [Table]", "label": "Fair Values Derivatives, Balance Sheet Location, by Derivative Contract Type [Table]", "documentation": "Disclosure of information about location and fair value of derivative instrument and nonderivative instrument designated as hedging instrument." } } }, "auth_ref": { "r120", "r122", "r133" } }, "us-gaap_FederalIncomeTaxExpenseBenefitContinuingOperationsAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FederalIncomeTaxExpenseBenefitContinuingOperationsAbstract", "presentation": { "http://www.hpe.com/role/TaxesonEarningsProvisionBenefitforTaxesDetails": { "lang": { "en-us": { "role": { "terseLabel": "U.S. federal taxes", "label": "Federal Income Tax Expense (Benefit), Continuing Operations [Abstract]" } } }, "auth_ref": { "r116" } }, "hpe_FinanceLeaseAssetsAndLiabilitiesLesseeAbstract": { "xbrltype": "stringItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "FinanceLeaseAssetsAndLiabilitiesLesseeAbstract", "presentation": { "http://www.hpe.com/role/AccountingforLeasesasaLesseeLeasesIncludedintheConsolidatedBalanceSheetsDetails": { "lang": { "en-us": { "role": { "terseLabel": "Finance Leases", "label": "Finance Lease, Assets And Liabilities, Lessee [Abstract]", "documentation": "Finance Lease, Assets And Liabilities, Lessee" } } }, "auth_ref": { "r116" } }, "us-gaap_FinanceLeaseLiabilitiesPaymentsDueAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FinanceLeaseLiabilitiesPaymentsDueAbstract", "presentation": { "http://www.hpe.com/role/AccountingforLeasesasaLesseeFutureMinimumLeaseCommitmentsDetails": { "lang": { "en-us": { "role": { "terseLabel": "Finance Leases", "label": "Finance Lease, Liability, to be Paid, Fiscal Year Maturity [Abstract]" } } }, "auth_ref": { "r116" } }, "us-gaap_FinanceLeaseLiability": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FinanceLeaseLiability", "crdr": "credit", "calculation": { "http://www.hpe.com/role/AccountingforLeasesasaLesseeLeasesIncludedintheConsolidatedBalanceSheetsDetails": { "parentTag": "hpe_FinanceLeaseLiability", "weight": 1.0, "order": 2.0 }, "http://www.hpe.com/role/AccountingforLeasesasaLesseeFutureMinimumLeaseCommitmentsDetails": { "parentTag": "us-gaap_FinanceLeaseLiabilityPaymentsDue", "weight": 1.0, "order": 2.0 }, "presentation": { "http://www.hpe.com/role/AccountingforLeasesasaLesseeFutureMinimumLeaseCommitmentsDetails": { "http://www.hpe.com/role/AccountingforLeasesasaLesseeLeasesIncludedintheConsolidatedBalanceSheetsDetails": { "lang": { "en-us": { "role": { "totalLabel": "Total finance lease liabilities", "terseLabel": "Total finance lease liabilities", "label": "Finance Lease, Liability", "documentation": "Present value of lessee's discounted obligation for lease payments from finance lease." } } }, "auth_ref": { "r1015", "r1028" } }, "us-gaap_FinanceLeaseLiabilityCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FinanceLeaseLiabilityCurrent", "crdr": "credit", "calculation": { "http://www.hpe.com/role/AccountingforLeasesasaLesseeLeasesIncludedintheConsolidatedBalanceSheetsDetails": { "parentTag": "us-gaap_FinanceLeaseLiability", "weight": 1.0, "order": 1.0 }, "presentation": { "http://www.hpe.com/AccountingforLeasesasaLesseeLeasesIncludedintheConsolidatedBalanceSheetsDetails": { "lang": { "en-us": { "role": { "terseLabel": "Finance lease liabilities u2013 current", "label": "Finance Lease, Liability, Current", "documentation": "Present value of lessee's discounted obligation for lease payments from finance lease, classified as current." } } }, "auth_ref": { "r1015" } }, "us-gaap_FinanceLeaseLiabilityCurrentStatementOffinancialPositionExtensibleList": { "xbrltype": "enumerationSetItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FinanceLeaseLiabilityCurrentStatementOffinancialPositionExtensibleList", "presentation": { "http://www.hpe.com/role/AccountingforLeasesasaLesseeLeasesIncludedintheConsolidatedBalanceSheetsDetails": { "lang": { "en-us": { "role": { "terseLabel": "Finance Lease, Liability, Current, Statement of Financial Position [Extensible List]", "label": "Finance Lease, Liability, Current, Statement of Financial Position [Extensible Enumeration]", "documentation": "Indicates line item in statement of financial position that includes current finance lease liability." } } }, "auth_ref": { "r1016" } }, "us-gaap_FinanceLeaseLiabilityMaturityTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FinanceLeaseLiabilityMaturityTableTextBlock", "presentation": { "http://www.hpe.com/role/AccountingforLeasesasaLesseeTables": { "lang": { "en-us": { "role": { "terseLabel": "Finance Lease Liability Maturity", "label": "Finance Lease, Liability, to be Paid, Maturity [Table Text Block]", "documentation": "Tabular disclosure of undiscounted cash flows of finance lease liability. Includes, but is not limited to, reconciliation of undiscounted cash flows to finance lease liability recognized in statement of financial position." } } }, "auth_ref": { "r1893" } }, "us-gaap_FinanceLeaseLiabilityNoncurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FinanceLeaseLiabilityNoncurrent", "crdr": "credit", "calculation": { "http://www.hpe.com/role/AccountingforLeasesasaLesseeLeasesIncludedintheConsolidatedBalanceSheetsDetails": { "parentTag": "us-gaap_FinanceLeaseLiability", "weight": 1.0, "order": 2.0 }, "presentation": { "http://www.hpe.com/AccountingforLeasesasaLesseeLeasesIncludedintheConsolidatedBalanceSheetsDetails": { "lang": { "en-us": { "role": { "terseLabel": "Finance lease liabilities u2013 non-current", "label": "Finance Lease, Liability, Noncurrent", "documentation": "Present value of lessee's discounted obligation for lease payments from finance lease, classified as noncurrent." } } }, "auth_ref": { "r1015" } }, "us-gaap_FinanceLeaseLiabilityNoncurrentStatementOffinancialPositionExtensibleList": { "xbrltype": "enumerationSetItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FinanceLeaseLiabilityNoncurrentStatementOffinancialPositionExtensibleList", "presentation": { "http://www.hpe.com/role/AccountingforLeasesasaLesseeLeasesIncludedintheConsolidatedBalanceSheetsDetails": { "lang": { "en-us": { "role": { "terseLabel": "Finance Lease, Liability, Noncurrent, Statement of Financial Position [Extensible Enumeration]", "label": "Finance Lease, Liability, Noncurrent, Statement of Financial Position [Extensible Enumeration]", "documentation": "Indicates line item in statement of financial position that includes noncurrent finance lease liability." } } }, "auth_ref": { "r1016" } }, "us-gaap_FinanceLeaseLiabilityPaymentsDue": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FinanceLeaseLiabilityPaymentsDue", "crdr": "credit", "calculation": { "http://www.hpe.com/role/AccountingforLeasesasaLesseeFutureMinimumLeaseCommitmentsDetails": { "parentTag": null, "weight": null,

"order": null, "root": true }, "http://www.hpe.com/role/AccountingforLeasesasaLesseeFutureMinimumLeaseCommitmentsDetails": { "parentTag": null, "weight": null, "order": null, "root": true }, "presentation": { "http://www.hpe.com/role/AccountingforLeasesasaLesseeFutureMinimumLeaseCommitmentsDetails": { "lang": { "en-us": { "role": { "totalLabel": "Total future lease payments", "label": "Finance Lease, Liability, to be Paid", "documentation": "Amount of lessee's undiscounted obligation for lease payments for finance lease." } } }, "auth_ref": { "r1028" }, "us-gaap_FinanceLeaseLiabilityPaymentsDueAfterYearFive": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FinanceLeaseLiabilityPaymentsDueAfterYearFive", "crdr": "credit", "calculation": { "http://www.hpe.com/role/AccountingforLeasesasaLesseeFutureMinimumLeaseCommitmentsDetails": { "parentTag": "us-gaap_FinanceLeaseLiabilityPaymentsDue", "weight": 1.0, "order": 5.0 } }, "presentation": { "http://www.hpe.com/role/AccountingforLeasesasaLesseeFutureMinimumLeaseCommitmentsDetails": { "lang": { "en-us": { "role": { "terseLabel": "Thereafter", "label": "Finance Lease, Liability, to be Paid, after Year Five", "documentation": "Amount of lessee's undiscounted obligation for lease payment for finance lease to be paid after fifth fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)." } } }, "auth_ref": { "r1028" }, "us-gaap_FinanceLeaseLiabilityPaymentsDueNextTwelveMonths": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FinanceLeaseLiabilityPaymentsDueNextTwelveMonths", "crdr": "credit", "calculation": { "http://www.hpe.com/role/AccountingforLeasesasaLesseeFutureMinimumLeaseCommitmentsDetails": { "parentTag": "us-gaap_FinanceLeaseLiabilityPaymentsDue", "weight": 1.0, "order": 1.0 } }, "presentation": { "http://www.hpe.com/role/AccountingforLeasesasaLesseeFutureMinimumLeaseCommitmentsDetails": { "lang": { "en-us": { "role": { "terseLabel": "2025", "label": "Finance Lease, Liability, to be Paid, Year One", "documentation": "Amount of lessee's undiscounted obligation for lease payment for finance lease to be paid in next fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)." } } }, "auth_ref": { "r1028" }, "us-gaap_FinanceLeaseLiabilityPaymentsDueYearFive": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FinanceLeaseLiabilityPaymentsDueYearFive", "crdr": "credit", "calculation": { "http://www.hpe.com/role/AccountingforLeasesasaLesseeFutureMinimumLeaseCommitmentsDetails": { "parentTag": "us-gaap_FinanceLeaseLiabilityPaymentsDue", "weight": 1.0, "order": 6.0 } }, "presentation": { "http://www.hpe.com/role/AccountingforLeasesasaLesseeFutureMinimumLeaseCommitmentsDetails": { "lang": { "en-us": { "role": { "terseLabel": "2029", "label": "Finance Lease, Liability, to be Paid, Year Five", "documentation": "Amount of lessee's undiscounted obligation for lease payment for finance lease to be paid in fifth fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)." } } }, "auth_ref": { "r1028" }, "us-gaap_FinanceLeaseLiabilityPaymentsDueYearFour": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FinanceLeaseLiabilityPaymentsDueYearFour", "crdr": "credit", "calculation": { "http://www.hpe.com/role/AccountingforLeasesasaLesseeFutureMinimumLeaseCommitmentsDetails": { "parentTag": "us-gaap_FinanceLeaseLiabilityPaymentsDue", "weight": 1.0, "order": 4.0 } }, "presentation": { "http://www.hpe.com/role/AccountingforLeasesasaLesseeFutureMinimumLeaseCommitmentsDetails": { "lang": { "en-us": { "role": { "terseLabel": "2028", "label": "Finance Lease, Liability, to be Paid, Year Four", "documentation": "Amount of lessee's undiscounted obligation for lease payment for finance lease to be paid in fourth fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)." } } }, "auth_ref": { "r1028" }, "us-gaap_FinanceLeaseLiabilityPaymentsDueYearThree": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FinanceLeaseLiabilityPaymentsDueYearThree", "crdr": "credit", "calculation": { "http://www.hpe.com/role/AccountingforLeasesasaLesseeFutureMinimumLeaseCommitmentsDetails": { "parentTag": "us-gaap_FinanceLeaseLiabilityPaymentsDue", "weight": 1.0, "order": 3.0 } }, "presentation": { "http://www.hpe.com/role/AccountingforLeasesasaLesseeFutureMinimumLeaseCommitmentsDetails": { "lang": { "en-us": { "role": { "terseLabel": "2027", "label": "Finance Lease, Liability, to be Paid, Year Three", "documentation": "Amount of lessee's undiscounted obligation for lease payment for finance lease to be paid in third fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)." } } }, "auth_ref": { "r1028" }, "us-gaap_FinanceLeaseLiabilityPaymentsDueYearTwo": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FinanceLeaseLiabilityPaymentsDueYearTwo", "crdr": "credit", "calculation": { "http://www.hpe.com/role/AccountingforLeasesasaLesseeFutureMinimumLeaseCommitmentsDetails": { "parentTag": "us-gaap_FinanceLeaseLiabilityPaymentsDue", "weight": 1.0, "order": 2.0 } }, "presentation": { "http://www.hpe.com/role/AccountingforLeasesasaLesseeFutureMinimumLeaseCommitmentsDetails": { "lang": { "en-us": { "role": { "terseLabel": "2026", "label": "Finance Lease, Liability, to be Paid, Year Two", "documentation": "Amount of lessee's undiscounted obligation for lease payment for finance lease to be paid in second fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)." } } }, "auth_ref": { "r1028" }, "us-gaap_FinanceLeaseLiabilityUndiscountedExcessAmount": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FinanceLeaseLiabilityUndiscountedExcessAmount", "crdr": "credit", "calculation": { "http://www.hpe.com/role/AccountingforLeasesasaLesseeFutureMinimumLeaseCommitmentsDetails": { "parentTag": "us-gaap_FinanceLeaseLiabilityPaymentsDue", "weight": 1.0, "order": 1.0 } }, "presentation": { "http://www.hpe.com/role/AccountingforLeasesasaLesseeFutureMinimumLeaseCommitmentsDetails": { "lang": { "en-us": { "role": { "negatedTerseLabel": "Less: imputed interest", "label": "Finance Lease, Liability, Undiscounted Excess Amount", "documentation": "Amount of lessee's undiscounted obligation for lease payments in excess of discounted obligation for lease payments for finance lease." } } }, "auth_ref": { "r1028" }, "us-gaap_FinanceLeaseRightOfUseAsset": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FinanceLeaseRightOfUseAsset", "crdr": "debit", "calculation": { "http://www.hpe.com/role/AccountingforLeasesasaLesseeLeasesIncludedintheConsolidatedBalanceSheetsDetails": { "parentTag": "hpe_RightOfUseAssets", "weight": 1.0, "order": 2.0 } }, "presentation": { "http://www.hpe.com/role/AccountingforLeasesasaLesseeLeasesIncludedintheConsolidatedBalanceSheetsDetails": { "lang": { "en-us": { "role": { "totalLabel": "Net finance lease ROU assets", "label": "Finance Lease, Right-Of-Use Asset, after Accumulated Amortization", "documentation": "Amount, after accumulated amortization, of right-of-use asset from finance lease." } } }, "auth_ref": { "r1014" }, "hpe_FinanceLeaseRightOfUseAssetAccumulatedDepreciation": { "xbrltype": "monetaryItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "FinanceLeaseRightOfUseAssetAccumulatedDepreciation", "crdr": "credit", "calculation": { "http://www.hpe.com/role/AccountingforLeasesasaLesseeLeasesIncludedintheConsolidatedBalanceSheetsDetails": { "parentTag": "us-gaap_FinanceLeaseRightOfUseAsset", "weight": 1.0, "order": 2.0 } }, "presentation": { "http://www.hpe.com/role/AccountingforLeasesasaLesseeLeasesIncludedintheConsolidatedBalanceSheetsDetails": { "lang": { "en-us": { "role": { "negatedTerseLabel": "Less: Accumulated depreciation", "label": "Finance Lease, Right-Of-Use Asset, Accumulated Depreciation", "documentation": "Finance Lease, Right-Of-Use Asset, Accumulated Depreciation" } } }, "auth_ref": { "r1014" }, "us-gaap_FinanceLeaseRightOfUseAssetAmortization": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FinanceLeaseRightOfUseAssetAmortization", "crdr": "debit", "calculation": { "http://www.hpe.com/role/AccountingforLeasesasaLesseeOperatingLeaseCostDetails": { "parentTag": "us-gaap_LeaseCost", "weight": 1.0, "order": 2.0 } }, "presentation": { "http://www.hpe.com/role/AccountingforLeasesasaLesseeOperatingLeaseCostDetails": { "lang": { "en-us": { "role": { "terseLabel": "Finance lease cost", "label": "Finance Lease, Right-Of-Use Asset, Amortization", "documentation": "Amount of amortization expense attributable to right-of-use asset from finance lease." } } }, "auth_ref": { "r1017", "r1021", "r1461" }, "hpe_FinanceLeaseRightOfUseAssetGross": { "xbrltype": "monetaryItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "FinanceLeaseRightOfUseAssetGross", "crdr": "debit", "calculation": { "http://www.hpe.com/role/AccountingforLeasesasaLesseeLeasesIncludedintheConsolidatedBalanceSheetsDetails": { "parentTag": "us-gaap_FinanceLeaseRightOfUseAsset", "weight": 1.0, "order": 1.0 } }, "presentation": { "http://www.hpe.com/role/AccountingforLeasesasaLesseeLeasesIncludedintheConsolidatedBalanceSheetsDetails": { "lang": { "en-us": { "role": { "terseLabel": "Gross finance lease ROU assets", "label": "Finance Lease, Right-Of-Use Asset, Gross", "documentation": "Finance Lease, Right-Of-Use Asset, Gross" } } }, "auth_ref": { "r1014" }, "us-gaap_FinanceLeaseRightOfUseAssetStatementOfFinancialPositionExtensibleList": { "xbrltype": "enumerationSetItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FinanceLeaseRightOfUseAssetStatementOfFinancialPositionExtensibleList", "presentation": { "http://www.hpe.com/role/AccountingforLeasesasaLesseeLeasesIncludedintheConsolidatedBalanceSheetsDetails": { "lang": { "en-us": { "role": { "terseLabel": "Finance Lease, Right-Of-Use Asset, Statement of Financial Position [Extensible Enumeration]", "documentation": "Indicates line item in statement of financial position that includes finance lease right-of-use asset." } } }, "auth_ref": { "r1016" }, "us-gaap_FinanceLeaseWeightedAverageDiscountRatePercent": { "xbrltype": "percentItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FinanceLeaseWeightedAverageDiscountRatePercent", "presentation": { "http://www.hpe.com/role/AccountingforLeasesasaLesseeAdditionalLeaseInformationDetails": { "lang": { "en-us": { "role": { "terseLabel": "Weighted-average discount rate", "label": "Finance Lease, Weighted Average Discount Rate, Percent", "documentation": "Weighted average discount rate for finance lease calculated at point in time." } } }, "auth_ref": { "r1027", "r1461" }, "us-gaap_FinanceLeaseWeightedAverageRemainingLeaseTerm": { "xbrltype": "durationItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FinanceLeaseWeightedAverageRemainingLeaseTerm", "presentation": { "http://www.hpe.com/role/AccountingforLeasesasaLesseeAdditionalLeaseInformationDetails": { "lang": { "en-us": { "role": { "terseLabel": "Weighted-average remaining lease term (in years)", "label": "Finance Lease, Weighted Average Remaining Lease Term", "documentation": "Weighted average remaining lease term for finance lease, in PnYnMnDnTnHnMns format, for example, P4Y5M13D represents reported fact of one year, five months, and thirteen days." } } }, "auth_ref": { "r1026", "r1461" }, "us-gaap_FinanceLoansAndLeasesReceivablePolicy": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FinanceLoansAndLeasesReceivablePolicy", "presentation": { "http://www.hpe.com/role/OverviewandSummaryofSignificantAccountingPoliciesPolicies": { "lang": { "en-us": { "role": { "terseLabel": "Credit Quality Indicators", "label": "Financing Receivable Policy Text Block", "documentation": "Disclosure of accounting policy for financing receivable." } } }, "auth_ref": { "r256", "r260", "r261", "r266", "r271", "r507", "r1665", "r1666", "r1667", "r1668", "r1670", "r1671" }, "us-gaap_FinanceReceivablesMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FinanceReceivablesMember", "presentation": { "http://www.hpe.com/role/AccountingforLeasesasaLessorNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Long-term financing receivables and other assets", "label": "Financing Receivable [Member]", "documentation": "Amounts due the company from customers, clients, lessees, borrowers, or others under the terms of its agreements therewith. Such amount may include accrued interest receivable in accordance with the terms of the agreements. The agreements also may contain provisions and related items including a discount or premium, payable on demand, secured, or unsecured, interest bearing or noninterest bearing, among myriad other features and characteristics." } } }, "auth_ref": { "r1014" }, "hpe_FinancialAsset31To60DaysPastDueMember": { "xbrltype": "domainItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "FinancialAsset31To60DaysPastDueMember", "presentation": { "http://www.hpe.com/role/AccountingforLeasesasaLessorSummaryofAgingandNonaccrualStatusofGrossFinancingReceivablesDetails": { "lang": { "en-us": { "role": { "terseLabel": "Past due 31-60u00a0days", "label": "Financial Asset, 31 to 60 Days Past Due [Member]", "documentation": "Financial Asset, 31 to 60 Days Past Due" } } }, "auth_ref": { "r1014" }, "hpe_FinancialAsset61To90DaysPastDueMember": { "xbrltype": "domainItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "FinancialAsset61To90DaysPastDueMember", "presentation": { "http://www.hpe.com/role/AccountingforLeasesasaLessorSummaryofAgingandNonaccrualStatusofGrossFinancingReceivablesDetails": { "lang": { "en-us": { "role": { "terseLabel": "Past due 61-90u00a0days", "label": "Financial Asset, 61 to 90 Days Past Due [Member]", "documentation": "Financial Asset, 61 to 90 Days Past Due" } } }, "auth_ref": { "r1014" }, "us-gaap_FinancialAssetNotPastDueMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FinancialAssetNotPastDueMember", "presentation": { "http://www.hpe.com/role/AccountingforLeasesasaLessorSummaryofAgingandNonaccrualStatusofGrossFinancingReceivablesDetails": { "lang": { "en-us": { "role": { "terseLabel": "Current 1-30u00a0days", "label": "Financial Asset, Not Past Due [Member]", "documentation": "Financial asset not past due." } } }, "auth_ref": { "r565", "r1415" }, "us-gaap_FinancialInstrumentAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FinancialInstrumentAxis", "presentation": { "http://www.hpe.com/role/BorrowingsLongTermDebtDetails", "http://www.hpe.com/role/BorrowingsNotesPayableandShortTermBorrowingsDetails", "http://www.hpe.com/role/FairValueScheduleofAssetsandLiabilitiesonaRecurringBasisDetails", "http://www.hpe.com/role/FinancialInstrumentsCashEquivalentsandAvailableforSaleInvestmentsDetails": { "lang": { "en-us": { "role": { "terseLabel": "Financial Instrument [Axis]", "label": "Financial Instrument [Axis]", "documentation": "Information by type of financial instrument." } } }, "auth_ref": { "r508", "r509", "r510", "r511", "r512", "r513", "r514", "r515", "r516", "r517", "r518", "r519", "r520", "r521", "r522", "r523", "r524", "r525", "r526", "r527", "r528", "r529", "r530", "r531", "r532", "r533", "r534", "r535", "r536", "r537", "r538", "r539", "r540", "r541", "r542", "r543", "r544", "r545", "r546", "r547", "r548", "r549", "r550", "r551", "r552", "r553", "r554", "r555", "r556", "r557", "r558", "r559", "r560", "r561", "r562", "r563", "r564", "r565", "r566", "r567", "r568", "r569", "r570", "r571", "r572", "r573", "r574", "r575", "r576", "r577", "r578", "r579", "r580", "r581", "r582", "r583", "r584", "r585", "r586", "r587", "r588", "r589", "r590", "r591", "r592", "r593", "r594", "r595", "r596", "r597", "r598", "r599", "r600", "r601", "r602", "r603", "r604", "r605", "r606", "r607", "r608", "r609", "r610", "r611", "r612", "r613", "r614", "r615", "r616", "r617", "r618", "r619", "r620", "r621", "r622", "r623", "r624", "r625", "r626", "r627", "r628", "r629", "r630", "r631", "r632", "r633", "r634", "r635", "r636", "r637", "r638", "r639", "r640", "r641", "r642", "r643", "r644", "r645", "r646", "r647", "r648", "r649", "r650", "r651", "r652", "r653", "r654", "r655", "r656", "r657", "r658", "r659", "r660", "r661", "r662", "r663", "r664", "r665", "r666", "r667", "r668", "r669", "r670", "r671", "r672", "r673", "r674", "r675", "r676", "r677", "r678", "r679", "r680", "r681", "r682", "r683", "r684", "r685", "r686", "r687", "r688", "r689", "r690", "r691", "r692", "r693", "r694", "r695", "r696", "r697", "r698", "r699", "r700", "r701", "r702", "r703", "r704", "r705", "r706", "r707", "r708", "r709", "r710", "r711", "r712", "r713", "r714", "r715", "r716", "r717", "r718", "r719", "r720", "r721", "r722", "r723", "r724", "r725", "r726", "r727", "r728", "r729", "r730", "r731", "r732", "r733", "r734", "r735", "r736", "r737", "r738", "r739", "r740", "r741", "r742", "r743", "r744", "r745", "r746", "r747", "r748", "r749", "r750", "r751", "r752", "r753", "r754", "r755", "r756", "r757", "r758", "r759", "r760", "r761", "r762", "r763", "r764", "r765", "r766", "r767", "r768", "r769", "r770", "r771", "r772", "r773", "r774", "r775", "r776", "r777", "r778", "r779", "r780", "r781", "r782", "r783", "r784", "r785", "r786", "r787", "r788", "r789", "r790", "r791", "r792", "r793", "r794", "r795", "r796", "r797", "r798", "r799", "r800", "r801", "r802", "r803", "r804", "r805", "r806", "r807", "r808", "r809", "r810", "r811", "r812", "r813", "r814", "r815", "r816", "r817", "r818", "r819", "r820", "r821", "r822", "r823", "r824", "r825", "r826", "r827", "r828", "r829", "r830", "r831", "r832", "r833", "r834", "r835", "r836", "r837", "r838", "r839", "r840", "r841", "r842", "r843", "r844", "r845", "r846", "r847", "r848", "r849", "r850", "r851", "r852", "r853", "r854", "r855", "r856", "r857", "r858", "r859", "r860", "r861", "r862", "r863", "r864", "r865", "r866", "r867", "r868", "r869", "r870", "r871", "r872", "r873", "r874", "r875", "r876", "r877", "r878", "r879", "r880", "r881", "r882", "r883", "r884", "r885", "r886", "r887", "r888", "r889", "r890", "r891", "r892", "r893", "r894", "r895", "r896", "r897", "r898", "r899", "r900", "r901", "r902", "r903", "r904", "r905", "r906", "r907", "r908", "r909", "r910", "r911", "r912", "r913", "r914", "r915", "r916", "r917", "r918", "r919", "r920", "r921", "r922", "r923", "r924", "r925", "r926", "r927", "r928", "r929", "r930", "r931", "r932", "r933", "r934", "r935", "r936", "r937", "r938", "r939", "r940", "r941", "r942", "r943", "r944", "r945", "r946", "r947", "r948", "r949", "r950", "r951", "r952", "r953", "r954", "r955", "r956", "r957", "r958", "r959", "r960", "r961", "r962", "r963", "r964", "r965", "r966", "r967", "r968", "r969", "r970", "r971", "r972", "r973", "r974", "r975", "r976", "r977", "r978", "r979", "r980", "r981", "r982", "r983", "r984", "r985", "r986", "r987", "r988", "r989", "r990", "r991", "r992", "r993", "r994", "r995", "r996", "r997", "r998", "r999", "r1000" }, "us-gaap_FinancialInstrumentsDisclosureTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FinancialInstrumentsDisclosureTextBlock", "presentation": { "http://www.hpe.com/role/FinancialInstruments": { "lang": { "en-us": { "role": { "terseLabel": "Financial Instruments", "label": "Financial Instruments Disclosure [Text Block]", "documentation": "The entire disclosure for financial instruments. This disclosure includes, but is not limited to, fair value measurements of short and long term marketable securities, international currencies forward contracts, and auction rate securities. Financial instruments may include hedging and non-hedging currency exchange instruments, derivatives, securitizations and securities available for sale at fair value. Also included are investment results, realized and unrealized gains and losses as well as impairments and risk management disclosures." } } }, "auth_ref": { "r1014" }, "hpe_FinancialServicesMember": {

{ "xbrltype": "domainItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "FinancialServicesMember", "presentation": { "http://www.hpe.com/role/BorrowingsLongTermDebtDetails": { "parentTag": "us-gaap_FinancingInterestExpense", "weight": 1.0, "order": 1.0 }, "http://www.hpe.com/role/SegmentInformationSegmentOperatingResultsfromContinuingOperationsDetails": { "lang": { "en-us": { "role": { "terseLabel": "Financial Services", "label": "Financial Services [Member]", "documentation": "Business reporting segment that supports and enhances the entity's global product and services solutions, providing a broad range of value-added financial life-cycle management services." } } }, "auth_ref": { "r181" }, "hpe_FinancingInterestExpensesIncludingDivestitures": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FinancingInterestExpense", "crdr": "debit", "calculation": { "http://www.hpe.com/role/BorrowingsLongTermDebtDetails": { "parentTag": "us-gaap_FinancingInterestExpense", "weight": 1.0, "order": 1.0 }, "http://www.hpe.com/role/BorrowingsLongTermDebtDetails": { "parentTag": "us-gaap_FinancingInterestExpense", "weight": 1.0, "order": 1.0 }, "http://www.hpe.com/role/OverviewandSummaryofSignificantAccountingPoliciesNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Financing cost", "label": "Financing Interest Expense", "documentation": "This element represents interest incurred for borrowed money which was used to produce goods or render services." } } }, "auth_ref": { "r181" }, "hpe_FinancingInterestExpensesIncludingDivestitures": { "xbrltype": "monetaryItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "FinancingInterestExpensesIncludingDivestitures", "crdr": "debit", "calculation": { "http://www.hpe.com/role/ConsolidatedStatementsOfEarnings": { "parentTag": "us-gaap_CostsAndExpenses", "weight": 1.0, "order": 8.0 }, "http://www.hpe.com/role/ConsolidatedStatementsOfEarnings": { "lang": { "en-us": { "role": { "terseLabel": "Financing cost", "label": "Financing Interest Expenses, Including Divestitures", "documentation": "Financing Interest Expenses, Including Divestitures" } } }, "auth_ref": { "r181" }, "us-gaap_FinancingReceivableAllowanceForCreditLosses": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FinancingReceivableAllowanceForCreditLosses", "crdr": "credit", "calculation": { "http://www.hpe.com/role/AccountingforLeasesasaLessorComponentsofFinancingReceivablesDetails": { "parentTag": "us-gaap_NotesReceivableNet", "weight": -1.0, "order": 2.0 }, "presentation": { "http://www.hpe.com/role/AccountingforLeasesasaLessorAllowanceforDoubtfulAccountsforFinancingReceivablesDetails": { "lang": { "en-us": { "role": { "negatedTerseLabel": "Allowance for credit losses", "periodStartLabel": "Financing receivable, allowance for credit loss, beginning balance", "periodEndLabel": "Financing receivable, allowance for credit loss, ending balance", "label": "Financing Receivable, Allowance for Credit Loss", "documentation": "Amount of allowance for credit loss on financing receivable. Excludes allowance for financing receivable covered under loss sharing agreement." } } }, "auth_ref": { "r257", "r297", "r299", "r300", "r365", "r555", "r561", "r564", "r1909" }, "us-gaap_FinancingReceivableAllowanceForCreditLossesLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FinancingReceivableAllowanceForCreditLossesLineItems", "presentation": { "http://www.hpe.com/role/AccountingforLeasesasaLessorCreditRiskProfileofFinancingReceivablesDetails": { "lang": { "en-us": { "role": { "terseLabel": "Financing Receivable, Allowance for Credit Loss [Line Items]", "label": "Financing Receivable, Allowance for Credit Loss [Line Items]", "documentation": "Line items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table." } } }, "auth_ref": { "r300", "r1690" }, "us-gaap_FinancingReceivableAllowanceForCreditLossesRollForward": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FinancingReceivableAllowanceForCreditLossesRollForward", "presentation": { "http://www.hpe.com/role/AccountingforLeasesasaLessorAllowanceforDoubtfulAccountsforFinancingReceivablesDetails": { "lang": { "en-us": { "role": { "terseLabel": "Allowance for doubtful accounts", "label": "Financing Receivable, Allowance for Credit Loss [Roll Forward]", "documentation": "A roll forward is a reconciliation of a concept from the beginning of a period to the end of a period." } } }, "auth_ref": { "r257", "r297", "r299", "r300", "r365", "r555", "r561", "r564", "r1909" }, "us-gaap_FinancingReceivableAllowanceForCreditLossesWriteOffs": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FinancingReceivableAllowanceForCreditLossesWriteOffs", "crdr": "debit", "presentation": { "http://www.hpe.com/role/AccountingforLeasesasaLessorAllowanceforDoubtfulAccountsforFinancingReceivablesDetails": { "lang": { "en-us": { "role": { "negatedTerseLabel": "Write-offs", "label": "Financing Receivable, Allowance for Credit Loss, Writeoff", "documentation": "Amount of writeoff of financing receivable, charged against allowance for credit loss." } } }, "auth_ref": { "r258", "r563", "r575", "r1414" }, "us-gaap_FinancingReceivableChangeInMethodCreditLossExpenseReversal": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FinancingReceivableChangeInMethodCreditLossExpenseReversal", "crdr": "debit", "presentation": { "http://www.hpe.com/role/AccountingforLeasesasaLessorAllowanceforDoubtfulAccountsforFinancingReceivablesDetails": { "lang": { "en-us": { "role": { "terseLabel": "Adjustment to the existing allowance", "label": "Financing Receivable, Change in Method, Credit Loss Expense (Reversal)", "documentation": "Amount of credit loss expense (reversal of expense) on financing receivable from change in methodology. Excludes net investment in lease." } } }, "auth_ref": { "r558" }, "us-gaap_FinancingReceivableCreditQualityIndicatorsTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FinancingReceivableCreditQualityIndicatorsTableTextBlock", "presentation": { "http://www.hpe.com/role/AccountingforLeasesasaLessorTables": { "lang": { "en-us": { "role": { "terseLabel": "Credit Risk Profile of Gross Financing Receivables", "label": "Financing Receivable Credit Quality Indicators [Table Text Block]", "documentation": "Tabular disclosure of financing receivables by credit quality indicator. The credit quality indicator is a statistic about the credit quality of financing receivables. Examples include, but not limited to, consumer credit risk scores, credit-rating-agency ratings, an entity's internal credit risk grades, loan-to-value ratios, collateral, collection experience and other internal metrics." } } }, "auth_ref": { "r262", "r1692" }, "us-gaap_FinancingReceivableExcludingAccruedInterestAfterAllowanceForCreditLossAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FinancingReceivableExcludingAccruedInterestAfterAllowanceForCreditLossAbstract", "presentation": { "http://www.hpe.com/role/AccountingforLeasesasaLessorAssetsandLiabilitiesofVIEDetails": { "lang": { "en-us": { "role": { "terseLabel": "Financing receivables", "label": "Financing Receivable, Excluding Accrued Interest, after Allowance for Credit Loss [Abstract]" } } }, "auth_ref": { "r258", "r563", "r575", "r1414" }, "us-gaap_FinancingReceivableOriginatedInCurrentFiscalYear": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FinancingReceivableOriginatedInCurrentFiscalYear", "crdr": "debit", "calculation": { "http://www.hpe.com/role/AccountingforLeasesasaLessorCreditRiskProfileofFinancingReceivablesDetails": { "parentTag": "us-gaap_NotesReceivableGross", "weight": 1.0, "order": 5.0 }, "presentation": { "http://www.hpe.com/role/AccountingforLeasesasaLessorCreditRiskProfileofFinancingReceivablesDetails": { "lang": { "en-us": { "role": { "terseLabel": "Current fiscal year", "label": "Financing Receivable, Year One, Originated, Current Fiscal Year", "documentation": "Amortized cost of financing receivable originated in current fiscal year. Excludes net investment in lease." } } }, "auth_ref": { "r575", "r1414" }, "us-gaap_FinancingReceivableOriginatedInFiscalYearBeforeLatestFiscalYear": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FinancingReceivableOriginatedInFiscalYearBeforeLatestFiscalYear", "crdr": "debit", "calculation": { "http://www.hpe.com/role/AccountingforLeasesasaLessorCreditRiskProfileofFinancingReceivablesDetails": { "parentTag": "us-gaap_NotesReceivableGross", "weight": 1.0, "order": 2.0 }, "presentation": { "http://www.hpe.com/role/AccountingforLeasesasaLessorCreditRiskProfileofFinancingReceivablesDetails": { "lang": { "en-us": { "role": { "terseLabel": "Year one", "label": "Financing Receivable, Year Two, Originated, Fiscal Year before Current Fiscal Year", "documentation": "Amortized cost of financing receivable originated in fiscal year prior to current fiscal year. Excludes net investment in lease." } } }, "auth_ref": { "r575", "r1414" }, "hpe_FinancingReceivableOriginatedMoreThanFourYearsBeforeCurrentFiscalYear": { "xbrltype": "monetaryItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "FinancingReceivableOriginatedMoreThanFourYearsBeforeCurrentFiscalYear", "crdr": "debit", "calculation": { "http://www.hpe.com/role/AccountingforLeasesasaLessorCreditRiskProfileofFinancingReceivablesDetails": { "parentTag": "us-gaap_NotesReceivableGross", "weight": 1.0, "order": 3.0 }, "presentation": { "http://www.hpe.com/role/AccountingforLeasesasaLessorCreditRiskProfileofFinancingReceivablesDetails": { "lang": { "en-us": { "role": { "terseLabel": "Year four and prior", "label": "Financing Receivable, Originated, More than Four Years before Current Fiscal Year", "documentation": "Financing Receivable, Originated, More than Four Years before Current Fiscal Year" } } }, "auth_ref": { "r575", "r1414" }, "us-gaap_FinancingReceivableOriginatedThreeYearsBeforeLatestFiscalYear": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FinancingReceivableOriginatedThreeYearsBeforeLatestFiscalYear", "crdr": "debit", "calculation": { "http://www.hpe.com/role/AccountingforLeasesasaLessorCreditRiskProfileofFinancingReceivablesDetails": { "parentTag": "us-gaap_NotesReceivableGross", "weight": 1.0, "order": 1.0 }, "presentation": { "http://www.hpe.com/role/AccountingforLeasesasaLessorCreditRiskProfileofFinancingReceivablesDetails": { "lang": { "en-us": { "role": { "terseLabel": "Year three", "label": "Financing Receivable, Year Four, Originated, Three Years before Current Fiscal Year", "documentation": "Amortized cost of financing receivable originated three years prior to current fiscal year. Excludes net investment in lease." } } }, "auth_ref": { "r575", "r1414" }, "us-gaap_FinancingReceivableOriginatedTwoYearsBeforeLatestFiscalYear": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FinancingReceivableOriginatedTwoYearsBeforeLatestFiscalYear", "crdr": "debit", "calculation": { "http://www.hpe.com/role/AccountingforLeasesasaLessorCreditRiskProfileofFinancingReceivablesDetails": { "parentTag": "us-gaap_NotesReceivableGross", "weight": 1.0, "order": 4.0 }, "presentation": { "http://www.hpe.com/role/AccountingforLeasesasaLessorCreditRiskProfileofFinancingReceivablesDetails": { "lang": { "en-us": { "role": { "terseLabel": "Year two", "label": "Financing Receivable, Year Three, Originated, Two Years before Current Fiscal Year", "documentation": "Amortized cost of financing receivable originated two years prior to current fiscal year. Excludes net investment in lease." } } }, "auth_ref": { "r575", "r1414" }, "us-gaap_FinancingReceivableRecordedInvestment90DaysPastDueAndStillAccruing": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FinancingReceivableRecordedInvestment90DaysPastDueAndStillAccruing", "crdr": "debit", "presentation": { "http://www.hpe.com/role/AccountingforLeasesasaLessorSummaryofAgingandNonaccrualStatusofGrossFinancingReceivablesDetails": { "lang": { "en-us": { "role": { "terseLabel": "Gross financing receivables 90 days past due and still accruing interest", "label": "Financing Receivable, 90 Days or More Past Due, Still Accruing", "documentation": "Amortized cost of financing receivable 90 days or more past due and still accruing. Excludes net investment in lease." } } }, "auth_ref": { "r269", "r568", "r1415" }, "us-gaap_FinancingReceivableRecordedInvestmentLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FinancingReceivableRecordedInvestmentLineItems", "presentation": { "http://www.hpe.com/role/AccountingforLeasesasaLessorAllowanceforDoubtfulAccountsforFinancingReceivablesDetails": { "lang": { "en-us": { "role": { "terseLabel": "Financing Receivable, Credit Quality Indicator [Line Items]", "label": "Financing Receivable, Credit Quality Indicator [Line Items]", "documentation": "Line items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table." } } }, "auth_ref": { "r264", "r1414", "r1692" }, "us-gaap_FinancingReceivableRecordedInvestmentNonaccrualStatus": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FinancingReceivableRecordedInvestmentNonaccrualStatus", "crdr": "debit", "presentation": { "http://www.hpe.com/role/AccountingforLeasesasaLessorSummaryofAgingandNonaccrualStatusofGrossFinancingReceivablesDetails": { "lang": { "en-us": { "role": { "terseLabel": "Gross financing receivables on non-accrual status", "label": "Financing Receivable, Nonaccrual", "documentation": "Amortized cost of financing receivable on nonaccrual status. Excludes net investment in lease." } } }, "auth_ref": { "r268", "r298", "r299", "r567" }, "us-gaap_FinancingReceivableRecordedInvestmentPastDueLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FinancingReceivableRecordedInvestmentPastDueLineItems", "presentation": { "http://www.hpe.com/role/AccountingforLeasesasaLessorSummaryofAgingandNonaccrualStatusofGrossFinancingReceivablesDetails": { "lang": { "en-us": { "role": { "terseLabel": "Financing Receivable, Past Due [Line Items]", "label": "Financing Receivable, Past Due [Line Items]", "documentation": "Line items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table." } } }, "auth_ref": { "r1415", "r1691" }, "us-gaap_FinancingReceivableSignificantSales": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FinancingReceivableSignificantSales", "crdr": "credit", "presentation": { "http://www.hpe.com/role/AccountingforLeasesasaLessorNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Sold", "label": "Financing Receivable, Sale and Reclassification to Held-for-Sale", "documentation": "Amount of decrease in financing receivable from sale and reclassification to held-for-sale. Excludes net investment in lease." } } }, "auth_ref": { "r259", "r559" }, "hpe_FinancingReceivableTermRangeMaximum": { "xbrltype": "durationItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "FinancingReceivableTermRangeMaximum", "presentation": { "http://www.hpe.com/role/AccountingforLeasesasaLessorNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Financing receivable term, high end of range", "label": "Financing receivable term, high end of range", "documentation": "The high end of the range of the term of financing receivables." } } }, "auth_ref": { "r259", "r559" }, "hpe_FinancingReceivableTermRangeMinimum": { "xbrltype": "durationItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "FinancingReceivableTermRangeMinimum", "presentation": { "http://www.hpe.com/role/AccountingforLeasesasaLessorNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Financing receivable term, low end of range", "label": "Financing receivable term, low end of range", "documentation": "The low end of the range of the term of financing receivables." } } }, "auth_ref": { "r259", "r559" }, "us-gaap_FinancingReceivablesEqualToGreaterThan90DaysPastDueMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FinancingReceivablesEqualToGreaterThan90DaysPastDueMember", "presentation": { "http://www.hpe.com/role/AccountingforLeasesasaLessorSummaryofAgingandNonaccrualStatusofGrossFinancingReceivablesDetails": { "lang": { "en-us": { "role": { "terseLabel": "Past due > 90u00a0days", "label": "Financial Asset, Equal to or Greater than 90 Days Past Due [Member]", "documentation": "Financial asset equal to or greater than 90 days past due." } } }, "auth_ref": { "r1415" }, "us-gaap_FinancingReceivablesPeriodPastDueAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FinancingReceivablesPeriodPastDueAxis", "presentation": { "http://www.hpe.com/role/AccountingforLeasesasaLessorSummaryofAgingandNonaccrualStatusofGrossFinancingReceivablesDetails": { "lang": { "en-us": { "role": {

"terseLabel": "Financial Asset, Period Past Due [Axis]", "label": "Financial Asset, Aging [Axis]", "documentation": "Information by period in which financial asset is past due or not past due." } } }, "auth_ref": { "r270", "r365", "r1415" } }, "us-gaap_FinancingReceivablesPeriodPastDueDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FinancingReceivablesPeriodPastDueDomain", "presentation": { "http://www.hpe.com/role/AccountingforLeasesasaLessorSummaryofAgingandNonaccrualStatusofGrossFinancingReceivablesDetails": { "lang": { "en-us": { "role": { "terseLabel": "Financial Asset, Period Past Due [Domain]", "label": "Financial Asset, Aging [Domain]", "documentation": "Period in which financial asset is past due or not past due. For past due, element name and standard label in Financial Asset, [numeric lower end] to [numeric higher end] [date measure] Past Due [Member] or Financial Asset, Greater than flow end numeric value [date measure] Past Due [Member] or Financial Asset, Less than [high end numeric value] [date measure] Past Due [Member] formats." } } }, "auth_ref": { "r270", "r365", "r1415" } }, "us-gaap_FiniteLivedIntangibleAssetsUsefulLife": { "xbrltype": "xbrltype", "durationItemType": "nsuri", "http://fasb.org/us-gaap/2024", "localname": "localname", "FiniteLivedIntangibleAssetsUsefulLife", "presentation": { "http://www.hpe.com/role/OverviewandSummaryofSignificantAccountingPoliciesNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Estimated useful life for finite-lived intangible assets", "label": "Finite-Lived Intangible Asset, Useful Life", "documentation": "Useful life of finite-lived intangible assets, in PnYnMnDnHnMnS format, for example, 'P1Y5M13D' represents the reported fact of one year, five months, and thirteen days." } } }, "auth_ref": { "r11", "us-gaap_FiniteLivedIntangibleAssetsAccumulatedAmortization": { "xbrltype": "xbrltype", "monetaryItemType": "nsuri", "http://fasb.org/us-gaap/2024", "localname": "FiniteLivedIntangibleAssetsAccumulatedAmortization", "crdr": "credit", "calculation": { "http://www.hpe.com/role/GoodwillandIntangibleAssetsIntangibleAssetsDetails": { "parentTag": "us-gaap_FiniteLivedIntangibleAssetsNet", "weight": 1.0, "order": 2.0 } }, "presentation": { "http://www.hpe.com/role/GoodwillandIntangibleAssetsIntangibleAssetsDetails": { "lang": { "en-us": { "role": { "negatedLabel": "Amortizable intangible assets, accumulated amortization", "label": "Finite-Lived Intangible Assets, Accumulated Amortization", "documentation": "Accumulated amount of amortization of assets, excluding financial assets and goodwill, lacking physical substance with a finite life." } } }, "auth_ref": { "r354", "r593", "r615", "r1418" } }, "us-gaap_FiniteLivedIntangibleAssetsAmortizationExpenseAfterYearFive": { "xbrltype": "xbrltype", "monetaryItemType": "nsuri", "http://fasb.org/us-gaap/2024", "localname": "FiniteLivedIntangibleAssetsAmortizationExpenseAfterYearFive", "crdr": "debit", "calculation": { "http://www.hpe.com/role/GoodwillandIntangibleAssetsEstimatedFutureAmortizationExpenseofIntangibleAssetsDetails": { "parentTag": "us-gaap_FiniteLivedIntangibleAssetsNet", "weight": 1.0, "order": 6.0 } }, "presentation": { "http://www.hpe.com/role/GoodwillandIntangibleAssetsEstimatedFutureAmortizationExpenseofIntangibleAssetsDetails": { "lang": { "en-us": { "role": { "terseLabel": "Thereafter", "label": "Finite-Lived Intangible Asset, Expected Amortization, after Year Five", "documentation": "Amount of amortization for asset, excluding financial asset and goodwill, lacking physical substance with finite life expected to be recognized after fifth fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)." } } }, "auth_ref": { "r1715", "r1960" } }, "us-gaap_FiniteLivedIntangibleAssetsAmortizationExpenseNextTwelveMonths": { "xbrltype": "xbrltype", "monetaryItemType": "nsuri", "http://fasb.org/us-gaap/2024", "localname": "FiniteLivedIntangibleAssetsAmortizationExpenseNextTwelveMonths", "crdr": "debit", "calculation": { "http://www.hpe.com/role/GoodwillandIntangibleAssetsEstimatedFutureAmortizationExpenseofIntangibleAssetsDetails": { "parentTag": "us-gaap_FiniteLivedIntangibleAssetsNet", "weight": 1.0, "order": 1.0 } }, "presentation": { "http://www.hpe.com/role/GoodwillandIntangibleAssetsEstimatedFutureAmortizationExpenseofIntangibleAssetsDetails": { "lang": { "en-us": { "role": { "terseLabel": "2025", "label": "Finite-Lived Intangible Asset, Expected Amortization, Year One", "documentation": "Amount of amortization for assets, excluding financial assets and goodwill, lacking physical substance with finite life expected to be recognized in next fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)." } } }, "auth_ref": { "r617", "r1382", "r1418" } }, "us-gaap_FiniteLivedIntangibleAssetsAmortizationExpenseYearFive": { "xbrltype": "xbrltype", "monetaryItemType": "nsuri", "http://fasb.org/us-gaap/2024", "localname": "FiniteLivedIntangibleAssetsAmortizationExpenseYearFive", "crdr": "debit", "calculation": { "http://www.hpe.com/role/GoodwillandIntangibleAssetsEstimatedFutureAmortizationExpenseofIntangibleAssetsDetails": { "parentTag": "us-gaap_FiniteLivedIntangibleAssetsNet", "weight": 1.0, "order": 5.0 } }, "presentation": { "http://www.hpe.com/role/GoodwillandIntangibleAssetsEstimatedFutureAmortizationExpenseofIntangibleAssetsDetails": { "lang": { "en-us": { "role": { "terseLabel": "2029", "label": "Finite-Lived Intangible Asset, Expected Amortization, Year Five", "documentation": "Amount of amortization for assets, excluding financial assets and goodwill, lacking physical substance with finite life expected to be recognized in fifth fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)." } } }, "auth_ref": { "r617", "r1382", "r1418" } }, "us-gaap_FiniteLivedIntangibleAssetsAmortizationExpenseYearFour": { "xbrltype": "xbrltype", "monetaryItemType": "nsuri", "http://fasb.org/us-gaap/2024", "localname": "FiniteLivedIntangibleAssetsAmortizationExpenseYearFour", "crdr": "debit", "calculation": { "http://www.hpe.com/role/GoodwillandIntangibleAssetsEstimatedFutureAmortizationExpenseofIntangibleAssetsDetails": { "parentTag": "us-gaap_FiniteLivedIntangibleAssetsNet", "weight": 1.0, "order": 4.0 } }, "presentation": { "http://www.hpe.com/role/GoodwillandIntangibleAssetsEstimatedFutureAmortizationExpenseofIntangibleAssetsDetails": { "lang": { "en-us": { "role": { "terseLabel": "2028", "label": "Finite-Lived Intangible Asset, Expected Amortization, Year Four", "documentation": "Amount of amortization for assets, excluding financial assets and goodwill, lacking physical substance with finite life expected to be recognized in fourth fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)." } } }, "auth_ref": { "r617", "r1382", "r1418" } }, "us-gaap_FiniteLivedIntangibleAssetsAmortizationExpenseYearThree": { "xbrltype": "xbrltype", "monetaryItemType": "nsuri", "http://fasb.org/us-gaap/2024", "localname": "FiniteLivedIntangibleAssetsAmortizationExpenseYearThree", "crdr": "debit", "calculation": { "http://www.hpe.com/role/GoodwillandIntangibleAssetsEstimatedFutureAmortizationExpenseofIntangibleAssetsDetails": { "parentTag": "us-gaap_FiniteLivedIntangibleAssetsNet", "weight": 1.0, "order": 3.0 } }, "presentation": { "http://www.hpe.com/role/GoodwillandIntangibleAssetsEstimatedFutureAmortizationExpenseofIntangibleAssetsDetails": { "lang": { "en-us": { "role": { "terseLabel": "2027", "label": "Finite-Lived Intangible Asset, Expected Amortization, Year Three", "documentation": "Amount of amortization for assets, excluding financial assets and goodwill, lacking physical substance with finite life expected to be recognized in third fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)." } } }, "auth_ref": { "r617", "r1382", "r1418" } }, "us-gaap_FiniteLivedIntangibleAssetsAmortizationExpenseYearTwo": { "xbrltype": "xbrltype", "monetaryItemType": "nsuri", "http://fasb.org/us-gaap/2024", "localname": "FiniteLivedIntangibleAssetsAmortizationExpenseYearTwo", "crdr": "debit", "calculation": { "http://www.hpe.com/role/GoodwillandIntangibleAssetsEstimatedFutureAmortizationExpenseofIntangibleAssetsDetails": { "parentTag": "us-gaap_FiniteLivedIntangibleAssetsNet", "weight": 1.0, "order": 2.0 } }, "presentation": { "http://www.hpe.com/role/GoodwillandIntangibleAssetsEstimatedFutureAmortizationExpenseofIntangibleAssetsDetails": { "lang": { "en-us": { "role": { "terseLabel": "2026", "label": "Finite-Lived Intangible Asset, Expected Amortization, Year Two", "documentation": "Amount of amortization for assets, excluding financial assets and goodwill, lacking physical substance with finite life expected to be recognized in second fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)." } } }, "auth_ref": { "r617", "r1382", "r1418" } }, "us-gaap_FiniteLivedIntangibleAssetsByMajorClassAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FiniteLivedIntangibleAssetsByMajorClassAxis", "presentation": { "http://www.hpe.com/role/GoodwillandIntangibleAssetsIntangibleAssetsDetails": { "http://www.hpe.com/role/GoodwillandIntangibleAssetsNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Finite-Lived Intangible Assets by Major Class [Axis]", "label": "Finite-Lived Intangible Assets by Major Class [Axis]", "documentation": "Information by major type or class of finite-lived intangible assets." } } }, "auth_ref": { "r608", "r610", "r611", "r612", "r614", "r615", "r618", "r619", "r1084", "r1085", "r1382" } }, "us-gaap_FiniteLivedIntangibleAssetsGross": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FiniteLivedIntangibleAssetsGross", "crdr": "debit", "calculation": { "http://www.hpe.com/role/GoodwillandIntangibleAssetsIntangibleAssetsDetails": { "parentTag": "us-gaap_FiniteLivedIntangibleAssetsNet", "weight": 1.0, "order": 1.0 } }, "presentation": { "http://www.hpe.com/role/GoodwillandIntangibleAssetsIntangibleAssetsDetails": { "lang": { "en-us": { "role": { "terseLabel": "Amortizable intangible assets, gross", "label": "Finite-Lived Intangible Assets, Gross", "documentation": "Amount before amortization of assets, excluding financial assets and goodwill, lacking physical substance with a finite life." } } }, "auth_ref": { "r593", "r615", "r1085", "r1418" } }, "us-gaap_FiniteLivedIntangibleAssetsMajorClassNameDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FiniteLivedIntangibleAssetsMajorClassNameDomain", "presentation": { "http://www.hpe.com/role/GoodwillandIntangibleAssetsIntangibleAssetsDetails": { "http://www.hpe.com/role/GoodwillandIntangibleAssetsNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "The major class of finite-lived intangible asset (for example, patents, trademarks, copyrights, etc.) A major class is composed of intangible assets that can be grouped together because they are similar, either by their nature or by their use in the operations of a company." } } }, "auth_ref": { "r608", "r610", "r611", "r612", "r614", "r615", "r618", "r619", "r1382" } }, "us-gaap_FiniteLivedIntangibleAssetsNet": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FiniteLivedIntangibleAssetsNet", "crdr": "debit", "calculation": { "http://www.hpe.com/role/GoodwillandIntangibleAssetsIntangibleAssetsDetails": { "parentTag": null, "weight": null, "order": null, "root": true }, "http://www.hpe.com/role/GoodwillandIntangibleAssetsEstimatedFutureAmortizationExpenseofIntangibleAssetsDetails": { "parentTag": null, "weight": null, "order": null, "root": true }, "presentation": { "http://www.hpe.com/role/GoodwillandIntangibleAssetsEstimatedFutureAmortizationExpenseofIntangibleAssetsDetails": { "http://www.hpe.com/role/GoodwillandIntangibleAssetsIntangibleAssetsDetails": { "http://www.hpe.com/role/GoodwillandIntangibleAssetsNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Amortizable intangible assets, net", "totalLabel": "Total()", "label": "Finite-Lived Intangible Assets, Net", "documentation": "Amount after amortization of assets, excluding financial assets and goodwill, lacking physical substance with a finite life." } } }, "auth_ref": { "r1084", "r1714" } }, "us-gaap_FiniteLivedIntangibleAssetsPeriodIncreaseDecrease": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FiniteLivedIntangibleAssetsPeriodIncreaseDecrease", "presentation": { "http://www.hpe.com/role/GoodwillandIntangibleAssetsNarrativeDetails": { "lang": { "en-us": { "role": { "negatedLabel": "Finite-lived intangible assets, period decrease", "label": "Finite-Lived Intangible Assets, Period Increase (Decrease)", "documentation": "Amount of increase (decrease) in carrying value of assets, excluding financial assets and goodwill, lacking physical substance with a finite life." } } }, "auth_ref": { "r11", "us-gaap_FiniteLivedIntangibleAssetsRemainingAmortizationPeriod1": { "xbrltype": "xbrltype", "durationItemType": "nsuri", "http://fasb.org/us-gaap/2024", "localname": "FiniteLivedIntangibleAssetsRemainingAmortizationPeriod1", "presentation": { "http://www.hpe.com/role/GoodwillandIntangibleAssetsIntangibleAssetsDetails": { "lang": { "en-us": { "role": { "terseLabel": "Finite-Lived Intangible Assets, Remaining Amortization Period", "label": "Finite-Lived Intangible Assets, Remaining Amortization Period", "documentation": "Remaining amortization period of finite-lived intangible assets, in PnYnMnDnHnMnS format, for example, 'P1Y5M13D' represents the reported fact of one year, five months, and thirteen days." } } }, "auth_ref": { "r1084" } }, "us-gaap_FiniteLivedIntangibleAssetsAcquired1": { "xbrltype": "xbrltype", "monetaryItemType": "nsuri", "http://fasb.org/us-gaap/2024", "localname": "FiniteLivedIntangibleAssetsAcquired1", "crdr": "debit", "presentation": { "http://www.hpe.com/role/GoodwillandIntangibleAssetsIntangibleAssetsDetails": { "lang": { "en-us": { "role": { "terseLabel": "Finite-lived intangible assets acquired", "label": "Finite-Lived Intangible Assets Acquired", "documentation": "Amount of increase in assets, excluding financial assets, lacking physical substance with a definite life, from an acquisition." } } }, "auth_ref": { "r610" } }, "us-gaap_FixedIncomeAtNAVMember": { "xbrltype": "domainItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "FixedIncomeAtNAVMember", "presentation": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansFairValueofNonUSDefinedBenefitPlanAssetsbyAssetCategoryWithintheFairValueHierarchyDetails": { "lang": { "en-us": { "role": { "terseLabel": "Fixed Income at NAV", "label": "Fixed Income At NAV [Member]", "documentation": "Fixed Income At NAV [Member]" } } }, "auth_ref": { "r11", "us-gaap_ForeignCountryMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ForeignCountryMember", "presentation": { "http://www.hpe.com/role/TaxesonEarningsDeferredTaxAssetsandLiabilitiesIncludedinCondensedConsolidatedBalanceSheetsDetails": { "http://www.hpe.com/role/TaxesonEarningsNarrativeDetails": { "http://www.hpe.com/role/TaxesonEarningsUncertainTaxPositionsDetails": { "lang": { "en-us": { "role": { "terseLabel": "Foreign", "label": "Foreign Tax Jurisdiction [Member]", "documentation": "Designated foreign jurisdiction entitled to levy and collect income tax outside country of domicile." } } }, "auth_ref": { "r888", "r889" } }, "us-gaap_ForeignCurrencyCashFlowHedgeGainLossToBeReclassifiedDuringNext12Months": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ForeignCurrencyCashFlowHedgeGainLossToBeReclassifiedDuringNext12Months", "crdr": "credit", "presentation": { "http://www.hpe.com/role/FinancialInstrumentsNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Expected amount of AOCI to be reclassified in the next 12 months", "label": "Foreign Currency Cash Flow Hedge Gain (Loss) to be Reclassified During Next 12 Months", "documentation": "The estimated net amount of unrealized gains or losses on foreign currency cash flow hedges at the reporting date expected to be reclassified to earnings within the next 12 months." } } }, "auth_ref": { "r135" } }, "us-gaap_ForeignCurrencyTransactionsAndTranslationsPolicyTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname":


```

ForeignCurrencyTransactionsAndTranslationsPolicyTextBlock", "presentation": "http://www.hpe.com/role/OverviewandSummaryofSignificantAccountingPoliciesNarrativeDetails", "lang": "en-us", "role": "terseLabel", "Foreign Currency Translation", "label": "Foreign Currency Transactions and Translations Policy [Policy Text Block]", "documentation": "Disclosure of accounting policy for (1) transactions denominated in a currency other than the reporting enterprise's functional currency, (2) translating foreign currency financial statements that are incorporated into the financial statements of the reporting enterprise by consolidation, combination or the equity method of accounting, and (3) remeasurement of the financial statements of a foreign reporting enterprise in a hyperinflationary economy." } } }, "auth_ref": "r993" } }, "us-gaap ForeignExchangeContractMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ForeignExchangeContractMember", "presentation": "http://www.hpe.com/role/FairValueScheduleofAssetsandLiabilitiesonaRecurringBasisDetails", "http://www.hpe.com/role/FinancialInstrumentsGrossNotionalandFairValueofInstrumentsintheBalanceSheetsDetails", "http://www.hpe.com/role/FinancialInstrumentsPretaxEffectofDerivativeInstrumentsinHedgingRelationshipsonOCIDetails", "http://www.hpe.com/role/FinancialInstrumentsPretaxEffectofDerivativeInstrumentsonStatementofEarningsDetails" } }, "lang": "en-us", "role": "terseLabel", "Foreign exchange contracts", "label": "Foreign Exchange Contract [Member]", "documentation": "Derivative instrument whose primary underlying risk is tied to foreign exchange rates." } } }, "auth_ref": "r1395", "r1430", "r1448", "r1449" } }, "us-gaap ForeignGovernmentDebtMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ForeignGovernmentDebtMember", "presentation": "http://www.hpe.com/role/FairValueScheduleofAssetsandLiabilitiesonaRecurringBasisDetails", "http://www.hpe.com/role/FinancialInstrumentsCashEquivalentsandAvailableforSaleInvestmentsDetails" } }, "lang": "en-us", "role": "terseLabel", "Foreign bonds", "label": "Foreign Government Debt [Member]", "documentation": "Debt securities (such as bonds) issued by a national, local, or municipal government not within the country of domicile of the entity." } } }, "auth_ref": "r1674", "r1678" } }, "us-gaap ForeignIncomeTaxExpenseBenefitContinuingOperationsAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ForeignIncomeTaxExpenseBenefitContinuingOperationsAbstract", "presentation": "http://www.hpe.com/role/TaxesonEarningsProvisionBenefitforTaxesDetails" } }, "lang": "en-us", "role": "terseLabel", "Non-U.S. taxes", "label": "Foreign Income Tax Expense (Benefit), Continuing Operations [Abstract]" } } }, "auth_ref": "r1674", "r1678" } }, "us-gaap ForeignPlanMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ForeignPlanMember", "presentation": "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansChangesinFairValueMeasurementssofLevel3InvestmentsfortheNonUSDefinedBenefitPlansDetails", "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansFairValueofNonUSDefinedBenefitPlanAssetsbyAssetCategoryWithintheFairValueHierarchyDetails", "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansNarrativeDetails", "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansWeightedAverageTargetandActualAssetAllocationsAcrossNonUSDefinedBenefitPlansDetails" } }, "lang": "en-us", "role": "terseLabel", "Non-U.S. Plans", "label": "Foreign Plan [Member]", "documentation": "Location of employer sponsoring plan, designed to provide retirement benefits, not determined as principal place of business. Includes, but is not limited to, defined benefit and defined contribution plans." } } }, "auth_ref": "r1815", "r1816", "r1817" } }, "ecd ForgoneRecoveryDueToDisqualificationOfTaxBenefitsAmt": { "xbrltype": "monetaryItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "ForgoneRecoveryDueToDisqualificationOfTaxBenefitsAmt", "presentation": "http://xbrl.sec.gov/ecd/role/ErrCompDisclosure" } }, "lang": "en-us", "role": "terseLabel", "Forgone Recovery due to Disqualification of Tax Benefits, Amount", "label": "Forgone Recovery due to Disqualification of Tax Benefits, Amount" } } }, "auth_ref": "r1511", "r1522", "r1532", "r1565" } }, "ecd ForgoneRecoveryDueToExpenseOffEnforcementAmt": { "xbrltype": "monetaryItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "ForgoneRecoveryDueToExpenseOffEnforcementAmt", "presentation": "http://xbrl.sec.gov/ecd/role/ErrCompDisclosure" } }, "lang": "en-us", "role": "terseLabel", "Forgone Recovery due to Expense of Enforcement, Amount", "label": "Forgone Recovery due to Expense of Enforcement, Amount" } } }, "auth_ref": "r1511", "r1522", "r1532", "r1565" } }, "ecd ForgoneRecoveryDueToViolationOfHomeCountryLawAmt": { "xbrltype": "monetaryItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "ForgoneRecoveryDueToViolationOfHomeCountryLawAmt", "presentation": "http://xbrl.sec.gov/ecd/role/ErrCompDisclosure" } }, "lang": "en-us", "role": "terseLabel", "Forgone Recovery due to Violation of Home Country Law, Amount", "label": "Forgone Recovery due to Violation of Home Country Law, Amount" } } }, "auth_ref": "r1511", "r1522", "r1532", "r1565" } }, "ecd ForgoneRecoveryExplanationOfImpracticabilityTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "ForgoneRecoveryExplanationOfImpracticabilityTextBlock", "presentation": "http://xbrl.sec.gov/ecd/role/ErrCompDisclosure" } }, "lang": "en-us", "role": "terseLabel", "Forgone Recovery, Explanation of Impracticability", "label": "Forgone Recovery, Explanation of Impracticability [Text Block]" } } }, "auth_ref": "r1511", "r1522", "r1532", "r1565" } }, "ecd ForgoneRecoveryIndName": { "xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "ForgoneRecoveryIndName", "presentation": "http://xbrl.sec.gov/ecd/role/ErrCompDisclosure" } }, "lang": "en-us", "role": "terseLabel", "Name", "label": "Forgone Recovery, Individual Name" } } }, "auth_ref": "r1511", "r1522", "r1532", "r1565" } }, "Forsythetal.vsHPInc.andHewlettPackardEnterpriseMember": { "xbrltype": "domainItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "Forsythetal.vsHPInc.andHewlettPackardEnterpriseMember", "presentation": "http://www.hpe.com/role/LitigationContingenciesandCommitmentsDetails" } }, "lang": "en-us", "role": "terseLabel", "Forsyth, et al vs HP Inc. and Hewlett-Packard Enterprise [Member]" } } }, "auth_ref": "r1511", "r1522", "r1532", "r1565" } }, "FrValAsOfPrYrEndOfEqtyAwrdsGrntdInPrYrFldVstngCondsDrngCvrdYrMember": { "xbrltype": "domainItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "FrValAsOfPrYrEndOfEqtyAwrdsGrntdInPrYrFldVstngCondsDrngCvrdYrMember", "presentation": "http://xbrl.sec.gov/ecd/role/PvpDisclosure" } }, "lang": "en-us", "role": "terseLabel", "Prior Year End Fair Value of Equity Awards Granted in Any Prior Year that Fail to Meet Applicable Vesting Conditions During Covered Year", "label": "Prior Year End Fair Value of Equity Awards Granted in Any Prior Year that Fail to Meet Applicable Vesting Conditions During Covered Year [Member]" } } }, "auth_ref": "r1545" } }, "hpe FxAndOther": { "xbrltype": "monetaryItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "FxAndOther", "presentation": "http://www.hpe.com/role/BalanceSheetDetailsRevolvingShortTermFinancingReceivableDetails" } }, "lang": "en-us", "role": "terseLabel", "Foreign currency and other", "label": "Foreign currency and other", "documentation": "The aggregate amount of FX and other under revolving financing receivables arrangements facilities during the reporting period." } } }, "auth_ref": "r1545" } }, "country_GB": { "xbrltype": "domainItemType", "nsuri": "http://xbrl.sec.gov/country/2024", "localname": "GB", "presentation": "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansFairValueofNonUSDefinedBenefitPlanAssetsbyAssetCategoryWithintheFairValueHierarchyDetails" } }, "lang": "en-us", "role": "terseLabel", "United Kingdom", "label": "UNITED KINGDOM" } } }, "auth_ref": "r1545" } }, "hpe GainLossFromCatastrophe": { "xbrltype": "monetaryItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "GainLossFromCatastrophe", "presentation": "http://www.hpe.com/role/SegmentInformationReconciliationofSegmentOperatingResultsDetails" } }, "parentTag": "us-gaap IncomeLossFromContinuingOperationsBeforeIncomeTaxesExtraordinaryItemsNoncontrollingInterest", "weight": -1.0, "order": 8.0 } }, "presentation": "http://www.hpe.com/role/SegmentInformationReconciliationofSegmentOperatingResultsDetails" } }, "lang": "en-us", "role": "terseLabel", "Disaster recovery (charges)", "label": "Gain (Loss) From Catastrophe", "documentation": "Gain (Loss) From Catastrophe" } } }, "auth_ref": "r1545" } }, "us-gaap GainLossOnDispositionOfRealEstateDiscontinuedOperations": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "GainLossOnDispositionOfRealEstateDiscontinuedOperations", "presentation": "http://www.hpe.com/role/TransformationProgramsTransformationCostsDetails" } }, "parentTag": "hpe TransformationCosts", "weight": -1.0, "order": 3.0 } }, "presentation": "http://www.hpe.com/role/TransformationProgramsTransformationCostsDetails" } }, "lang": "en-us", "role": "negatedTerseLabel", "Gains on real estate sales", "label": "Gain (Loss) on Disposition of Real Estate, Discontinued Operations", "documentation": "Amount of difference between the carrying amount and the sales price of real estate properties sold as part of discontinued operations." } } }, "auth_ref": "r1545" } }, "us-gaap GainLossOnFairValueHedgesRecognizedInEarnings": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "GainLossOnFairValueHedgesRecognizedInEarnings", "presentation": "http://www.hpe.com/role/FinancialInstrumentsPretaxEffectofDerivativeInstrumentsonStatementofEarningsDetails" } }, "parentTag": "us-gaap DerivativeGainLossOnDerivativeNet", "weight": 1.0, "order": 1.0 } }, "presentation": "http://www.hpe.com/role/FinancialInstrumentsPretaxEffectofDerivativeInstrumentsonStatementofEarningsDetails" } }, "lang": "en-us", "role": "terseLabel", "Gain (Loss) on Fair Value Hedges Recognized in Earnings", "label": "Gain (Loss) on Fair Value Hedges Recognized in Earnings", "documentation": "Total amount of gain (loss) derived from fair value hedges recognized in earnings in the period." } } }, "auth_ref": "r125" } }, "hpe GainLossOnRecoveriesAndCatastrophes": { "xbrltype": "monetaryItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "GainLossOnRecoveriesAndCatastrophes", "presentation": "http://www.hpe.com/role/ConsolidatedStatementsofEarnings" } }, "parentTag": "us-gaap CostsAndExpenses", "weight": -1.0, "order": 6.0 } }, "presentation": "http://www.hpe.com/role/ConsolidatedStatementsofEarnings" } }, "http://www.hpe.com/role/ConsolidatedStatementsofEarnings": { "parentTag": "hpe TransformationCosts", "weight": -1.0, "order": 3.0 } }, "presentation": "http://www.hpe.com/role/ConsolidatedStatementsofEarnings" } }, "lang": "en-us", "role": "negatedTerseLabel", "Disaster charges", "terseLabel": "Gain (Loss) on recoveries and catastrophes", "label": "Gain (Loss) on Recoveries and Catastrophes", "documentation": "Gain (Loss) on Recoveries and Catastrophes" } } }, "auth_ref": "r1545" } }, "us-gaap GainLossOnSaleOfBusiness": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "GainLossOnSaleOfBusiness", "presentation": "http://www.hpe.com/role/AcquisitionsandDispositionsNarrativeDetails" } }, "lang": "en-us", "role": "terseLabel", "Gain on disposition of business", "label": "Gain (Loss) on Disposition of Business", "documentation": "Amount of gain (loss) from sale and disposal of integrated set of activities and assets capable of being conducted and managed for purpose of providing return in form of dividend, lower cost, or other economic benefit to investor, owner, member and participant." } } }, "auth_ref": "r1947", "r1639" } }, "us-gaap Goodwill": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "Goodwill", "presentation": "http://www.hpe.com/role/AcquisitionsandDispositionsAggregatePurchasePriceAllocationDetails" } }, "parentTag": "us-gaap BusinessCombinationRecognizedIdentifiableAssetsAcquiredGoodwillAndLiabilitiesAssumedNet", "weight": 1.0, "order": 1.0 } }, "presentation": "http://www.hpe.com/role/ConsolidatedBalanceSheets" } }, "parentTag": "us-gaap Assets", "weight": 1.0, "order": 5.0 } }, "presentation": "http://www.hpe.com/role/AcquisitionsandDispositionsAggregatePurchasePriceAllocationDetails", "http://www.hpe.com/role/AcquisitionsandDispositionsNarrativeDetails", "http://www.hpe.com/role/ConsolidatedBalanceSheets", "http://www.hpe.com/role/GoodwillandIntangibleAssetsCarryingValueofGoodwillbyReportableSegmentDetails", "http://www.hpe.com/role/GoodwillandIntangibleAssetsNarrativeDetails" } }, "lang": "en-us", "role": "terseLabel", "Goodwill", "periodStartLabel": "Balance at beginning of period", "periodEndLabel": "Balance at end of period", "label": "Goodwill", "documentation": "Amount, after accumulated impairment loss, of asset representing future economic benefit arising from other asset acquired in business
```

impairment loss", "label": "Goodwill, Impaired, Accumulated Impairment Loss", "documentation": "Amount of accumulated impairment loss for asset representing future economic benefit arising from other asset acquired in business combination or from joint venture formation or both, that is not individually identified and separately recognized." } } }, "auth_ref": { "r598", "r605", "r1417" }, "us-gaap_GoodwillImpairmentLoss": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "GoodwillImpairmentLoss", "crdr": "debit", "calculation": { "http://www.hpe.com/role/SegmentInformationReconciliationofSegmentOperatingResultsDetails": { "parentTag": "us-gaap_IncomeLossFromContinuingOperationsBeforeIncomeTaxesExtraordinaryItemsNoncontrollingInterest", "weight": -1.0, "order": 6.0 }, "http://www.hpe.com/role/ConsolidatedStatementsOfEarnings": { "parentTag": "us-gaap_CostsAndExpenses", "weight": 1.0, "order": 9.0 } }, "presentation": { "http://www.hpe.com/role/ConsolidatedStatementsOfEarnings": { "http://www.hpe.com/role/FairValueNarrativeDetails", "http://www.hpe.com/role/GoodwillandIntangibleAssetsCarryingValueofGoodwillbyReportableSegmentDetails", "http://www.hpe.com/role/GoodwillandIntangibleAssetsNarrativeDetails": { "http://www.hpe.com/role/SegmentInformationReconciliationofSegmentOperatingResultsDetails": { "lang": { "en-us": { "role": { "terseLabel": "Impairment of goodwill", "negatedTerseLabel": "Goodwill, Impairment Loss", "label": "Goodwill, Impairment Loss", "documentation": "Amount of impairment loss from asset representing future economic benefit arising from other asset acquired in business combination or from joint venture formation or both, that is not individually identified and separately recognized." } } }, "auth_ref": { "r17", "r596", "r602", "r607", "r1417", "r1450" }, "us-gaap_GoodwillLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "GoodwillLineItems", "presentation": { "http://www.hpe.com/role/GoodwillandIntangibleAssetsCarryingValueofGoodwillbyReportableSegmentDetails": { "http://www.hpe.com/role/GoodwillandIntangibleAssetsNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Goodwill", "label": "Goodwill [Line Items]", "documentation": "Line items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table." } } }, "auth_ref": { "r597", "r598", "r599", "r600", "r601", "r602", "r603", "r604", "r605", "r606", "r607", "r1417" }, "us-gaap_GoodwillPurchaseAccountingAdjustments": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "GoodwillPurchaseAccountingAdjustments", "crdr": "debit", "presentation": { "http://www.hpe.com/role/GoodwillandIntangibleAssetsCarryingValueofGoodwillbyReportableSegmentDetails": { "lang": { "en-us": { "role": { "terseLabel": "Goodwill adjustments", "label": "Goodwill, Measurement Period Adjustment", "documentation": "Amount of increase (decrease) from measurement period adjustment of asset representing future economic benefit arising from other asset acquired in business combination or from joint venture formation or both, that is not individually identified and separately recognized." } } }, "auth_ref": { "r0", "r1702" }, "us-gaap_GoodwillRollForward": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "GoodwillRollForward", "presentation": { "http://www.hpe.com/role/GoodwillandIntangibleAssetsCarryingValueofGoodwillbyReportableSegmentDetails": { "lang": { "en-us": { "role": { "terseLabel": "Goodwill", "label": "Goodwill [Roll Forward]", "documentation": "A roll forward is a reconciliation of a concept from the beginning of a period to the end of a period." } } }, "auth_ref": { "us-gaap_GuaranteeObligationsMaximumExposure": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "GuaranteeObligationsMaximumExposure", "crdr": "credit", "presentation": { "http://www.hpe.com/role/GuaranteesandIndemnificationsIndemnifiedLitigationMattersandOtherContingenciesDetails": { "lang": { "en-us": { "role": { "terseLabel": "Guarantor obligations maximum exposure", "label": "Guarantor Obligations, Maximum Exposure, Undiscounted", "documentation": "Maximum potential amount of future payments (undiscounted) the guarantor could be required to make under the guarantee or each group of similar guarantees before reduction for potential recoveries under recourse or collateralization provisions." } } }, "auth_ref": { "r662" }, "us-gaap_GuaranteesAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "GuaranteesAbstract", "lang": { "en-us": { "role": { "terseLabel": "Guarantees [Abstract]", "label": "Guarantees [Abstract]" } } }, "auth_ref": { "us-gaap_GuaranteesTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "GuaranteesTextBlock", "presentation": { "http://www.hpe.com/role/GuaranteesandIndemnifications": { "lang": { "en-us": { "role": { "terseLabel": "Guarantees and Indemnifications", "label": "Guarantees [Text Block]", "documentation": "The entire disclosure for each guarantee obligation, or each group of similar guarantee obligations, including (a) the nature of the guarantee, including its term, how it arose, and the events or circumstances that would require the guarantor to perform under the guarantee; (b) the maximum potential amount of future payments (undiscounted) the guarantor could be required to make under the guarantee; (c) the current carrying amount of the liability, if any, for the guarantor's obligations under the guarantee; and (d) the nature of any recourse provisions under the guarantee, and any assets held either as collateral or by third parties, and any relevant related party disclosure. Excludes disclosures about product warranties." } } }, "auth_ref": { "r656", "r658", "r659", "r660", "r661", "r663", "r665", "r666" }, "hpe_H.P.EDefinedContributionPlanMember": { "xbrltype": "domainItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "H.P.EDefinedContributionPlanMember", "presentation": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "HPE 401(k) Plan", "label": "H.P.E. Defined Contribution Plan [Member]", "documentation": "The HP 401(k) Plan." } } }, "auth_ref": { "hpe_H3CMember": { "xbrltype": "domainItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "H3CMember", "presentation": { "http://www.hpe.com/role/AcquisitionsandDispositionsNarrativeDetails": { "http://www.hpe.com/role/EquityInterestsEarningsfromEquityInterestDetails": { "http://www.hpe.com/role/EquityInterestsNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "H3C", "label": "H3 C [Member]", "documentation": "Represents the entity H3C which comprises of H3C Technologies and HP's China-Based Server, Storage and Technology Services." } } }, "auth_ref": { "hpe_HPGAISoftwareCorporateInvestmentsMember": { "xbrltype": "domainItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "HPGAISoftwareCorporateInvestmentsMember", "presentation": { "http://www.hpe.com/role/FairValueNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "HPC & AI Software & Corporate Investments", "label": "HPC & AI Software & Corporate Investments [Member]", "documentation": "HPC & AI Software & Corporate Investments" } } }, "auth_ref": { "hpe_HPENextAndCostOptimizationAndPrioritizationPlanMember": { "xbrltype": "domainItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "HPENextAndCostOptimizationAndPrioritizationPlanMember", "presentation": { "http://www.hpe.com/role/TransformationProgramsNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "HPE Next and Cost Optimization and Prioritization Plan", "label": "HPE Next and Cost Optimization and Prioritization Plan [Member]", "documentation": "HPE Next and Cost Optimization and Prioritization Plan" } } }, "auth_ref": { "hpe_HPENextMember": { "xbrltype": "domainItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "HPENextMember", "presentation": { "http://www.hpe.com/role/TransformationProgramsNarrativeDetails": { "http://www.hpe.com/role/TransformationProgramsScheduleofRestructuringActivitiesDetails": { "http://www.hpe.com/role/TransformationProgramsTransformationCostsDetails": { "lang": { "en-us": { "role": { "terseLabel": "HPE Next Plan", "label": "HPE Next [Member]", "documentation": "HPE Next [Member]" } } }, "auth_ref": { "us-gaap_HedgedLiabilityFairValueHedgeCumulativeIncreaseDecrease": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "HedgedLiabilityFairValueHedgeCumulativeIncreaseDecrease", "crdr": "credit", "presentation": { "http://www.hpe.com/role/FinancialInstrumentsAmountsRecordedintheBalanceSheetsDetails": { "lang": { "en-us": { "role": { "terseLabel": "Cumulative Amount of Fair Value Hedging Adjustment Included in the Carrying Amount of the Hedged Assets/ (Liabilities)", "label": "Hedged Liability, Fair Value Hedge, Cumulative Increase (Decrease)", "documentation": "Amount of cumulative increase (decrease) in fair value of hedged liability in fair value hedge, attributable to hedged risk." } } }, "auth_ref": { "r956" }, "us-gaap_HedgingDesignationAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "HedgingDesignationAxis", "presentation": { "http://www.hpe.com/role/FinancialInstrumentsGrossNotionalandFairValueofInstrumentsintheBalanceSheetsDetails": { "http://www.hpe.com/role/FinancialInstrumentsNarrativeDetails": { "http://www.hpe.com/role/FinancialInstrumentsPretaxEffectofDerivativeInstrumentsonStatementofEarningsDetails": { "lang": { "en-us": { "role": { "terseLabel": "Hedging Designation [Axis]", "label": "Hedging Designation [Axis]", "documentation": "Information by designation of purpose of derivative instrument." } } }, "auth_ref": { "r31", "r955" }, "us-gaap_HedgingDesignationDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "HedgingDesignationDomain", "presentation": { "http://www.hpe.com/role/FinancialInstrumentsGrossNotionalandFairValueofInstrumentsintheBalanceSheetsDetails": { "http://www.hpe.com/role/FinancialInstrumentsNarrativeDetails": { "http://www.hpe.com/role/FinancialInstrumentsPretaxEffectofDerivativeInstrumentsonStatementofEarningsDetails": { "lang": { "en-us": { "role": { "terseLabel": "Hedging Designation [Domain]", "label": "Hedging Designation [Domain]", "documentation": "Designation of purpose of derivative instrument." } } }, "auth_ref": { "r31" }, "us-gaap_HedgingRelationshipDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "HedgingRelationshipDomain", "presentation": { "http://www.hpe.com/role/FinancialInstrumentsGrossNotionalandFairValueofInstrumentsintheBalanceSheetsDetails": { "http://www.hpe.com/role/FinancialInstrumentsNarrativeDetails": { "http://www.hpe.com/role/FinancialInstrumentsPretaxEffectofDerivativeInstrumentsonStatementofEarningsDetails": { "lang": { "en-us": { "role": { "terseLabel": "Hedging Relationship [Domain]", "label": "Hedging Relationship [Domain]", "documentation": "Nature or intent of a hedge." } } }, "auth_ref": { "r31" }, "hpe_HewlettPackardEnterpriseCompany2015StockIncentivePlanMember": { "xbrltype": "domainItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "HewlettPackardEnterpriseCompany2015StockIncentivePlanMember", "presentation": { "http://www.hpe.com/role/StockBasedCompensationNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "2015 Stock Incentive Plan", "label": "Hewlett Packard Enterprise Company 2015 Stock Incentive Plan [Member]", "documentation": "Hewlett Packard Enterprise Company 2015 Stock Incentive Plan" } } }, "auth_ref": { "hpe_HewlettPackardEnterpriseCompany2021StockIncentivePlanMember": { "xbrltype": "domainItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "HewlettPackardEnterpriseCompany2021StockIncentivePlanMember", "presentation": { "http://www.hpe.com/role/StockBasedCompensationNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "2021 Stock Incentive Plan", "label": "Hewlett Packard Enterprise Company 2021 Stock Incentive Plan [Member]", "documentation": "Hewlett Packard Enterprise Company 2021 Stock Incentive Plan" } } }, "auth_ref": { "hpe_HewlettPackardEnterpriseCompany2024StockIncentivePlanMember": { "xbrltype": "domainItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "HewlettPackardEnterpriseCompany2024StockIncentivePlanMember", "presentation": { "http://www.hpe.com/role/BorrowingsNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Hewlett Packard Enterprise", "label": "Hewlett Packard Enterprise [Member]", "documentation": "Hewlett Packard Enterprise [Member]" } } }, "auth_ref": { "hpe_HewlettPackardInternationalBankPLCMember": { "xbrltype": "domainItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "HewlettPackardInternationalBankPLCMember", "presentation": { "http://www.hpe.com/role/BorrowingsNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Hewlett-Packard International Bank PLC", "label": "Hewlett Packard International Bank P L C [Member]", "documentation": "Represents the entity's subsidiary, Hewlett-Packard International Bank PLC." } } }, "auth_ref": { "hpe_HighPerformanceComputingAndArtificialIntelligenceMember": { "xbrltype": "domainItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "HighPerformanceComputingAndArtificialIntelligenceMember", "presentation": { "http://www.hpe.com/role/GoodwillandIntangibleAssetsCarryingValueofGoodwillbyReportableSegmentDetails": { "http://www.hpe.com/role/GoodwillandIntangibleAssetsNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Hybrid Cloud", "label": "High Performance Computing and Artificial Intelligence [Member]", "documentation": "High Performance Computing and Artificial Intelligence" } } }, "auth_ref": { "hpe_HybridCloudReportingUnitMember": { "xbrltype": "domainItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "HybridCloudReportingUnitMember", "presentation": { "http://www.hpe.com/role/GoodwillandIntangibleAssetsNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Hybrid Cloud Reporting Unit", "label": "Hybrid Cloud Reporting Unit [Member]", "documentation": "Hybrid Cloud Reporting Unit" } } }, "auth_ref": { "hpe_HybridCloudSegmentMember": { "xbrltype": "domainItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "HybridCloudSegmentMember", "presentation": { "http://www.hpe.com/role/GoodwillandIntangibleAssetsCarryingValueofGoodwillbyReportableSegmentDetails": { "http://www.hpe.com/role/SegmentInformationSegmentOperatingResultsfromContinuingOperationsDetails": { "lang": { "en-us": { "role": { "terseLabel": "Hybrid Cloud", "label": "Hybrid Cloud Segment [Member]", "documentation": "Hybrid Cloud Segment" } } }, "auth_ref": { "hpe_HybridsAtNAVMember": { "xbrltype": "domainItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "HybridsAtNAVMember", "presentation": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansFairValueofNonUSDefinedBenefitPlanAssetsbyAssetCategoryWithintheFairValueHierarchyDetails": { "lang": { "en-us": { "role": { "terseLabel": "Hybrids At NAV", "label": "Hybrids At NAV [Member]", "documentation": "Hybrids At NAV [Member]" } } }, "auth_ref": { "hpe_HybridsInvestmentMember": { "xbrltype": "domainItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "HybridsInvestmentMember", "presentation": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansChangesinFairValueMeasurementsforLevel3InvestmentsfortheNonUSDefinedBenefitPlansDetails": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansFairValueofNonUSDefinedBenefitPlanAssetsbyAssetCategoryWithintheFairValueHierarchyDetails": { "lang": { "en-us": { "role": { "terseLabel": "Hybrids", "label": "Hybrids Investment [Member]", "documentation": "Investment vehicle that combines two different kinds of underlying investments." } } }, "auth_ref": { "ICFR Auditor Attestation Flag": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "ICFR Auditor Attestation Flag", "presentation": { "http://www.hpe.com/role/CoverPage": { "lang": { "en-us": { "role": { "terseLabel": "ICFR Auditor Attestation Flag", "label": "ICFR Auditor Attestation Flag" } } }, "auth_ref": { "r1501", "r1502", "r1514" }, "hpe_ImmediatelyAvailableMember": { "xbrltype": "domainItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "ImmediatelyAvailableMember", "presentation": { "http://www.hpe.com/role/BorrowingsNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Immediately Available", "label": "Immediately Available [Member]", "documentation": "Immediately Available" } } }, "auth_ref": { "us-gaap_ImpairmentLessorAssetUnderOperatingLease": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ImpairmentLessorAssetUnderOperatingLease", "crdr": "debit", "presentation": { "http://www.hpe.com/role/FairValueNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Impairment of assets under operating lease", "label": "Impairment, Lessor Asset under Operating Lease", "documentation": "Amount of impairment for lessor's

underlying asset for which right to use has been conveyed to lessee under operating lease." } } }, "auth_ref": { "r624", "r1034" } }, "us-gaap_ImpairmentOfRealEstate": { "xbrltype": "monetaryItem", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ImpairmentOfRealEstate", "crdr": "debit", "calculation": { "http://www.hpe.com/role/TransformationProgramsTransformationCostsDetails": { "parentTag": "hpe_TransformationCosts", "weight": 1.0, "order": 4.0 } }, "presentation": { "http://www.hpe.com/role/TransformationProgramsTransformationCostsDetails": { "lang": { "en-us": { "role": { "terseLabel": "Impairment on real estate assets", "label": "Impairment of Real Estate", "documentation": "The charge against earnings in the period to reduce the carrying amount of real property to fair value." } } }, "auth_ref": { "r1639", "r1720" } }, "us-gaap_ImpairmentOfDisposalOfLongLivedAssetsIncludingIntangibleAssetsPolicyTextBlock": { "xbrltype": "textBlock", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ImpairmentOfDisposalOfLongLivedAssetsIncludingIntangibleAssetsPolicyTextBlock", "presentation": { "http://www.hpe.com/role/OverviewandSummaryofSignificantAccountingPolicies": { "lang": { "en-us": { "role": { "terseLabel": "Intangible Assets and Long-Lived Assets", "label": "Impairment or Disposal of Long-Lived Assets, Including Intangible Assets, Policy [Policy Text Block]", "documentation": "Disclosure of accounting policy for the impairment and disposal of long-lived assets including goodwill and other intangible assets." } } }, "auth_ref": { "us-gaap_IncomeLossFromContinuingOperationsBeforeIncomeTaxesDomestic": { "xbrltype": "monetaryItem", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "IncomeLossFromContinuingOperationsBeforeIncomeTaxesDomestic", "crdr": "credit", "calculation": { "http://www.hpe.com/role/TaxesonEarningsProvisionBenefitforTaxesDetails": { "parentTag": "us-gaap_IncomeLossFromContinuingOperationsBeforeIncomeTaxesExtraordinaryItemsNoncontrollingInterest", "weight": 1.0, "order": 1.0 } }, "presentation": { "http://www.hpe.com/role/TaxesonEarningsProvisionBenefitforTaxesDetails": { "lang": { "en-us": { "role": { "terseLabel": "U.S.", "label": "Income (Loss) from Continuing Operations before Income Taxes, Domestic", "documentation": "The portion of earnings or loss from continuing operations before income taxes that is attributable to domestic operations." } } }, "auth_ref": { "r411", "r887" } }, "us-gaap_IncomeLossFromContinuingOperationsBeforeIncomeTaxesExtraordinaryItemsNoncontrollingInterest": { "xbrltype": "monetaryItem", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "IncomeLossFromContinuingOperationsBeforeIncomeTaxesExtraordinaryItemsNoncontrollingInterest", "crdr": "credit", "calculation": { "http://www.hpe.com/role/ConsolidatedStatementsofEarnings": { "parentTag": "us-gaap_NetIncomeLossAvailableToCommonStockholdersDiluted", "weight": 1.0, "order": 1.0 } }, "http://www.hpe.com/role/SegmentInformationReconciliationofSegmentOperatingResultsDetails": { "parentTag": "us-gaap_NetIncomeLossAvailableToCommonStockholdersDiluted", "weight": 1.0, "order": 1.0 } }, "http://www.hpe.com/role/TaxesonEarningsProvisionBenefitforTaxesDetails": { "parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": { "http://www.hpe.com/role/ConsolidatedStatementsofEarnings": { "http://www.hpe.com/role/SegmentInformationReconciliationofSegmentOperatingResultsDetails": { "http://www.hpe.com/role/TaxesonEarningsProvisionBenefitforTaxesDetails": { "lang": { "en-us": { "role": { "totalLabel": "Earnings before provision for taxes", "label": "Income (Loss) from Continuing Operations before Income Taxes, Noncontrolling Interest", "documentation": "Amount of income (loss) from continuing operations, including income (loss) from equity method investments, before deduction of income tax expense (benefit), and income (loss) attributable to noncontrolling interest." } } }, "auth_ref": { "r177", "r247", "r254", "r1125", "r1142", "r1400", "r1406", "r1657", "r1660", "r1661", "r1662", "r1663" } }, "us-gaap_IncomeLossFromContinuingOperationsBeforeIncomeTaxesForeign": { "xbrltype": "monetaryItem", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "IncomeLossFromContinuingOperationsBeforeIncomeTaxesForeign", "crdr": "credit", "calculation": { "http://www.hpe.com/role/TaxesonEarningsProvisionBenefitforTaxesDetails": { "parentTag": "us-gaap_IncomeLossFromContinuingOperationsBeforeIncomeTaxesExtraordinaryItemsNoncontrollingInterest", "weight": 1.0, "order": 2.0 } }, "presentation": { "http://www.hpe.com/role/TaxesonEarningsProvisionBenefitforTaxesDetails": { "lang": { "en-us": { "role": { "terseLabel": "Non-U.S.", "label": "Income (Loss) from Continuing Operations before Income Taxes, Foreign", "documentation": "The portion of earnings or loss from continuing operations before income taxes that is attributable to foreign operations, which is defined as income or loss generated from operations located outside the entity's country of domicile." } } }, "auth_ref": { "r411", "r887" } }, "us-gaap_IncomeLossFromContinuingOperationsBeforeIncomeTaxesMinorityInterestAndIncomeLossFromEquityMethodInvestmentsAbstract": { "xbrltype": "stringItem", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "IncomeLossFromContinuingOperationsBeforeIncomeTaxesMinorityInterestAndIncomeLossFromEquityMethodInvestmentsAbstract", "presentation": { "http://www.hpe.com/role/TaxesonEarningsProvisionBenefitforTaxesDetails": { "lang": { "en-us": { "role": { "terseLabel": "Domestic and foreign components of earnings (loss) before taxes", "label": "Income (Loss) from Continuing Operations before Equity Method Investments, Income Taxes, Noncontrolling Interest [Abstract]" } } }, "auth_ref": { "us-gaap_IncomeLossFromEquityMethodInvestments": { "xbrltype": "monetaryItem", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "IncomeLossFromEquityMethodInvestments", "crdr": "credit", "calculation": { "http://www.hpe.com/role/ConsolidatedStatementsofEarnings": { "parentTag": "us-gaap_IncomeLossFromContinuingOperationsBeforeIncomeTaxesExtraordinaryItemsNoncontrollingInterest", "weight": 1.0, "order": 3.0 } }, "http://www.hpe.com/role/ConsolidatedStatementsofCashFlows": { "parentTag": "us-gaap_NetCashProvidedByUsedInOperatingActivities", "weight": 1.0, "order": 8.0 } }, "http://www.hpe.com/role/SegmentInformationReconciliationofSegmentOperatingResultsDetails": { "parentTag": "us-gaap_IncomeLossFromContinuingOperationsBeforeIncomeTaxesExtraordinaryItemsNoncontrollingInterest", "weight": 1.0, "order": 12.0 } }, "http://www.hpe.com/role/EquityInterestsEarningsfromEquityInterestDetails": { "parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": { "http://www.hpe.com/role/ConsolidatedStatementsofCashFlows": { "http://www.hpe.com/role/ConsolidatedStatementsofEarnings": { "http://www.hpe.com/role/EquityInterestsEarningsfromEquityInterestDetails": { "http://www.hpe.com/role/EquityInterestsNarrativeDetails": { "http://www.hpe.com/role/SegmentInformationReconciliationofSegmentOperatingResultsDetails": { "lang": { "en-us": { "role": { "terseLabel": "Earnings from equity interests", "negatedTerseLabel": "Earnings from equity interests", "verboseLabel": "Earnings (loss) from equity interests", "totalLabel": "Earnings from equity interests", "label": "Income (Loss) from Equity Method Investments", "documentation": "Amount of income (loss) for proportionate share of equity method investee's income (loss)." } } }, "auth_ref": { "r17", "r178", "r246", "r456", "r472", "r495", "r542", "r1141" } }, "hpe_IncomeLossFromEquityMethodInvestmentsComponentsAllocatedIncomeLoss": { "monetaryItem", "nsuri": "http://www.hpe.com/20241031", "localname": "IncomeLossFromEquityMethodInvestmentsComponentsAllocatedIncomeLoss", "crdr": "credit", "calculation": { "http://www.hpe.com/role/EquityInterestsEarningsfromEquityInterestDetails": { "parentTag": "us-gaap_IncomeLossFromEquityMethodInvestments", "weight": 1.0, "order": 1.0 } }, "presentation": { "http://www.hpe.com/role/EquityInterestsEarningsfromEquityInterestDetails": { "lang": { "en-us": { "role": { "terseLabel": "Earnings from equity interests, net of taxes", "label": "Income (Loss) From Equity Method Investments, Components, Allocated Income (Loss)", "documentation": "Income (Loss) From Equity Method Investments, Components, Allocated Income (Loss)" } } }, "auth_ref": { "hpe_IncomeLossFromEquityMethodInvestmentsComponentsEliminationOfIntraEntitySales": { "xbrltype": "monetaryItem", "nsuri": "http://www.hpe.com/20241031", "localname": "IncomeLossFromEquityMethodInvestmentsComponentsEliminationOfIntraEntitySales", "crdr": "debit", "calculation": { "http://www.hpe.com/role/EquityInterestsEarningsfromEquityInterestDetails": { "parentTag": "us-gaap_IncomeLossFromEquityMethodInvestments", "weight": 1.0, "order": 3.0 } }, "presentation": { "http://www.hpe.com/role/EquityInterestsEarningsfromEquityInterestDetails": { "lang": { "en-us": { "role": { "negatedTerseLabel": "Adjustment of profit on intra-entity sales", "label": "Income (Loss) From Equity Method Investments, Components, Elimination Of Intra-Entity Sales", "documentation": "Income (Loss) From Equity Method Investments, Components, Elimination Of Intra-Entity Sales" } } }, "auth_ref": { "us-gaap_IncomeStatementAbstract": { "xbrltype": "stringItem", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "IncomeStatementAbstract", "lang": { "en-us": { "role": { "terseLabel": "Income Statement [Abstract]", "label": "Income Statement [Abstract]" } } }, "auth_ref": { "us-gaap_IncomeStatementBalanceSheetAndAdditionalDisclosuresByDisposalGroupsIncludingDiscontinuedOperationsAxis": { "xbrltype": "stringItem", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "IncomeStatementBalanceSheetAndAdditionalDisclosuresByDisposalGroupsIncludingDiscontinuedOperationsAxis", "presentation": { "http://www.hpe.com/role/AcquisitionsandDispositionsNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Disposal Group Name [Axis]", "label": "Disposal Group Name [Axis]", "documentation": "Information by name of disposal group." } } }, "auth_ref": { "us-gaap_IncomeStatementLocationAxis": { "xbrltype": "stringItem", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "IncomeStatementLocationAxis", "presentation": { "http://www.hpe.com/role/FinancialInstrumentsPretaxEffectofDerivativeInstrumentsonStatementofEarningsDetails": { "http://www.hpe.com/role/StockBasedCompensationConsolidatedStatementofEarningsLocationofStockBasedCompensationExpenseDetails": { "lang": { "en-us": { "role": { "terseLabel": "Statement of Income Location, Balance [Axis]", "label": "Statement of Income Location, Balance [Axis]", "documentation": "Information by location in statement of income where disaggregated amount has been reported." } } }, "auth_ref": { "r625", "r632", "r642", "r976", "r978", "r983", "r1172", "r1174", "r1259", "r1382", "r1452", "r1918" } }, "us-gaap_IncomeStatementLocationDomain": { "xbrltype": "domainItem", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "IncomeStatementLocationDomain", "presentation": { "http://www.hpe.com/role/FinancialInstrumentsPretaxEffectofDerivativeInstrumentsonStatementofEarningsDetails": { "http://www.hpe.com/role/StockBasedCompensationConsolidatedStatementofEarningsLocationofStockBasedCompensationExpenseDetails": { "lang": { "en-us": { "role": { "terseLabel": "Statement of Income Location, Balance [Domain]", "label": "Statement of Income Location, Balance [Domain]", "documentation": "Location in statement of income where disaggregated amount has been reported." } } }, "auth_ref": { "r632", "r642", "r976", "r978", "r983", "r1172", "r1174", "r1259", "r1382", "r1452", "r1918" } }, "us-gaap_IncomeTaxAuthorityAxis": { "xbrltype": "stringItem", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "IncomeTaxAuthorityAxis", "presentation": { "http://www.hpe.com/role/TaxesonEarningsDeferredTaxAssetsandLiabilitiesIncludedinCondensedConsolidatedBalanceSheetsDetails": { "http://www.hpe.com/role/TaxesonEarningsNarrativeDetails": { "http://www.hpe.com/role/TaxesonEarningsUncertainTaxPositionsDetails": { "lang": { "en-us": { "role": { "terseLabel": "Income Tax Jurisdiction [Axis]", "label": "Income Tax Jurisdiction [Axis]", "documentation": "Information by income tax jurisdiction." } } }, "auth_ref": { "r406", "r888", "r889", "r902", "r918", "r1445", "r1851" } }, "us-gaap_IncomeTaxAuthorityDomain": { "xbrltype": "domainItem", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "IncomeTaxAuthorityDomain", "presentation": { "http://www.hpe.com/role/TaxesonEarningsDeferredTaxAssetsandLiabilitiesIncludedinCondensedConsolidatedBalanceSheetsDetails": { "http://www.hpe.com/role/TaxesonEarningsNarrativeDetails": { "http://www.hpe.com/role/TaxesonEarningsUncertainTaxPositionsDetails": { "lang": { "en-us": { "role": { "terseLabel": "Income Tax Jurisdiction [Domain]", "label": "Income Tax Jurisdiction [Domain]", "documentation": "Income tax jurisdiction." } } }, "auth_ref": { "r406", "r888", "r889", "r902", "r918", "r1445", "r1851" } }, "us-gaap_IncomeTaxAuthorityNameAxis": { "xbrltype": "stringItem", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "IncomeTaxAuthorityNameAxis", "presentation": { "http://www.hpe.com/role/TaxesonEarningsDeferredTaxAssetsandLiabilitiesIncludedinCondensedConsolidatedBalanceSheetsDetails": { "http://www.hpe.com/role/TaxesonEarningsNarrativeDetails": { "http://www.hpe.com/role/TaxesonEarningsUncertainTaxPositionsDetails": { "lang": { "en-us": { "role": { "terseLabel": "Income Tax Authority, Name [Axis]", "label": "Income Tax Authority, Name [Axis]", "documentation": "Information by name of taxing authority." } } }, "auth_ref": { "r902", "r1851" } }, "us-gaap_IncomeTaxAuthorityNameDomain": { "xbrltype": "domainItem", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "IncomeTaxAuthorityNameDomain", "presentation": { "http://www.hpe.com/role/TaxesonEarningsDeferredTaxAssetsandLiabilitiesIncludedinCondensedConsolidatedBalanceSheetsDetails": { "lang": { "en-us": { "role": { "terseLabel": "Income Tax Authority, Name [Domain]", "label": "Income Tax Authority, Name [Domain]", "documentation": "Named agency, division or body that levies income taxes, examines tax returns for compliance, or grants exemptions from or makes other decisions pertaining to income taxes." } } }, "auth_ref": { "r902", "r1851" } }, "hpe_IncomeTaxBenefitsChargesPreSeparationTaxMatters": { "xbrltype": "monetaryItem", "nsuri": "http://www.hpe.com/20241031", "localname": "IncomeTaxBenefitsChargesPreSeparationTaxMatters", "crdr": "credit", "presentation": { "http://www.hpe.com/role/TaxesonEarningsNarrativeDetails": { "lang": { "en-us": { "role": { "negatedLabel": "Pre-Separation tax matters", "label": "Income Tax (Benefits) Charges, Pre-Separation Tax Matters", "documentation": "Income Tax (Benefits) Charges, Pre-Separation Tax Matters" } } }, "auth_ref": { "us-gaap_IncomeTaxContingencyLineItems": { "xbrltype": "stringItem", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "IncomeTaxContingencyLineItems", "presentation": { "http://www.hpe.com/role/TaxesonEarningsUncertainTaxPositionsDetails": { "lang": { "en-us": { "role": { "terseLabel": "Income Tax Contingency [Line Items]", "label": "Income Tax Contingency [Line Items]", "documentation": "Line items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table." } } }, "auth_ref": { "us-gaap_IncomeTaxContingencyTable": { "xbrltype": "stringItem", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "IncomeTaxContingencyTable", "presentation": { "http://www.hpe.com/role/TaxesonEarningsUncertainTaxPositionsDetails": { "lang": { "en-us": { "role": { "terseLabel": "Income Tax Contingency [Table]", "label": "Income Tax Contingency [Table]", "documentation": "Disclosure of information about tax positions taken in the tax returns filed or to be filed for which it is more likely than not that the tax position will not be sustained upon examination by taxing authorities and other income tax contingencies. Includes, but is not limited to, interest and penalties, reconciliation of unrecognized tax benefits, unrecognized tax benefits that would affect the effective tax rate, tax years that remain subject to examination by tax jurisdictions, and information about positions for which it is reasonably possible that amounts unrecognized will significantly change within 12 months." } } }, "auth_ref": { "r1847" } }, "us-gaap_IncomeTaxDisclosureAbstract": { "xbrltype": "stringItem", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "IncomeTaxDisclosureAbstract", "lang": { "en-us": { "role": { "terseLabel": "Income Tax Disclosure [Abstract]", "label": "Income Tax Disclosure [Abstract]" } } }, "auth_ref": { "us-gaap_IncomeTaxDisclosureTextBlock": { "xbrltype": "textBlock", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "IncomeTaxDisclosureTextBlock", "presentation": { "http://www.hpe.com/role/TaxesonEarnings": { "lang": { "en-us": { "role": { "terseLabel": "Taxes on Earnings", "label": "Income Tax Disclosure [Text Block]", "documentation":

```
"The entire disclosure for income tax." } } }, "auth_ref": { "r412", "r878", "r888", "r898", "r899", "r900", "r909", "r916", "r924", "r926", "r927", "r929", "r930", "r1193", "r1445" } } }, "us-gaap_IncomeTaxExaminationIncreaseDecreaseInLiabilityFromPriorYear": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "IncomeTaxExaminationIncreaseDecreaseInLiabilityFromPriorYear", "crdr": "credit", "presentation": { "http://www.hpe.com/role/TaxesonEarningsNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Income Tax Examination Increase (Decrease) in Liability from Prior Year", "label": "Income Tax Examination Increase (Decrease) in Liability from Prior Year", "documentation": "The amount the liability recorded for the income tax examination increased or decreased in the current year/accounting period." } } }, "auth_ref": { "r1848" } } }, "hpe_IncomeTaxExaminationLikelihoodOfConclusionFederalForeignAndStateTaxIssuesPeriod": { "xbrltype": "durationItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "IncomeTaxExaminationLikelihoodOfConclusionFederalForeignAndStateTaxIssuesPeriod", "presentation": { "http://www.hpe.com/role/TaxesonEarningsNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Likelihood of conclusion period for certain federal, foreign and state tax issues", "label": "Income Tax Examination Likelihood of Conclusion Federal Foreign and State Tax Issues Period", "documentation": "The period of likelihood that the certain tax position pertaining to federal, foreign and state tax issues will be concluded." } } }, "auth_ref": {} } }, "us-gaap_IncomeTaxExaminationLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "IncomeTaxExaminationLineItems", "presentation": { "http://www.hpe.com/role/TaxesonEarningsNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Income Tax Examination Line Items", "label": "Income Tax Examination Line Items", "documentation": "Line items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table." } } }, "auth_ref": { "r902" } } }, "us-gaap_IncomeTaxExaminationPenaltiesAndInterestAccrued": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "IncomeTaxExaminationPenaltiesAndInterestAccrued", "crdr": "credit", "presentation": { "http://www.hpe.com/role/TaxesonEarningsUncertainTaxPositionsDetails": { "lang": { "en-us": { "role": { "terseLabel": "Accrued income tax for interest and penalties", "label": "Income Tax Examination Penalties and Interest Accrued", "documentation": "The amount of estimated penalties and interest accrued as of the balance sheet date arising from income tax examinations." } } }, "auth_ref": { "r1847" } } }, "us-gaap_IncomeTaxExaminationTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "IncomeTaxExaminationTable", "presentation": { "http://www.hpe.com/role/TaxesonEarningsNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Income Tax Examination Table", "label": "Income Tax Examination Table", "documentation": "Disclosure of information about income tax examination currently in progress or completed during current period by tax authority. Includes, but is not limited to, description of examination, jurisdiction conducting examination, tax year under examination, likelihood of unfavorable settlement, range of possible loss, liability recorded, increase (decrease) of liability from prior period, and penalty and interest incurred or accrued." } } }, "auth_ref": { "r1848" } } }, "us-gaap_IncomeTaxExpenseBenefit": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "IncomeTaxExpenseBenefit", "crdr": "debit", "calculation": { "http://www.hpe.com/role/ConsolidatedStatementsOfEarnings": { "parentTag": "us-gaap_NetIncomeLossAvailableToCommonStockholdersDiluted", "weight": 1.0, "order": 2.0 }, "http://www.hpe.com/role/TaxesonEarningsProvisionBenefitForTaxesDetails": { "parentTag": null, "weight": null, "order": null, "root": true } } }, "presentation": { "http://www.hpe.com/role/ConsolidatedStatementsOfEarnings": { "http://www.hpe.com/role/TaxesonEarningsProvisionBenefitForTaxesDetails": { "lang": { "en-us": { "role": { "negatedLabel": "Provision for taxes", "totalLabel": "Provision for (benefit from) taxes on earnings", "label": "Income Tax Expense (Benefit)", "documentation": "Amount of current income tax expense (benefit) and deferred income tax expense (benefit) pertaining to continuing operations." } } }, "auth_ref": { "r277", "r294", "r429", "r430", "r456", "r473", "r495", "r886", "r925", "r1152", "r1445" } } }, "us-gaap_IncomeTaxExpenseBenefitContinuingOperationsByJurisdictionAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "IncomeTaxExpenseBenefitContinuingOperationsByJurisdictionAbstract", "presentation": { "http://www.hpe.com/role/TaxesonEarningsProvisionBenefitForTaxesDetails": { "lang": { "en-us": { "role": { "terseLabel": "Provision for (benefit from) taxes on earnings", "label": "Income Tax Expense (Benefit), Continuing Operations, By Jurisdiction [Abstract]", "auth_ref": {} } } }, "hpe_IncomeTaxExpenseBenefitForeignTaxAuditMatters": { "xbrltype": "monetaryItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "IncomeTaxExpenseBenefitForeignTaxAuditMatters", "crdr": "credit", "presentation": { "http://www.hpe.com/role/TaxesonEarningsNarrativeDetails": { "lang": { "en-us": { "role": { "negatedLabel": "Income tax benefits, foreign tax audit matters", "label": "Income Tax Expense (Benefit), Foreign Tax Audit Matters", "documentation": "Income Tax Expense (Benefit), Foreign Tax Audit Matters" } } }, "auth_ref": {} } }, "us-gaap_IncomeTaxPolicyTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "IncomeTaxPolicyTextBlock", "presentation": { "http://www.hpe.com/role/OverviewandSummaryofSignificantAccountingPoliciesPolicies": { "lang": { "en-us": { "role": { "terseLabel": "Policies on Earnings", "label": "Income Tax Policy [Policy Text Block]", "documentation": "Disclosure of accounting policy for income taxes, which may include its accounting policies for recognizing and measuring deferred tax assets and liabilities and related valuation allowances, recognizing investment tax credits, operating loss carryforwards, tax credit carryforwards, and other carryforwards, methodologies for determining its effective income tax rate and the characterization of interest and penalties in the financial statements." } } }, "auth_ref": { "r388", "r882", "r883", "r909", "r910", "r915", "r920", "r1187" } } }, "us-gaap_IncomeTaxReconciliationChangeInEnactedTaxRate": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "IncomeTaxReconciliationChangeInEnactedTaxRate", "crdr": "debit", "presentation": { "http://www.hpe.com/role/TaxesonEarningsNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Change in enacted tax rate, expense (benefit)", "label": "Effective Income Tax Rate Reconciliation, Change in Enacted Tax Rate, Amount", "documentation": "Amount of the difference between reported income tax expense (benefit) and expected income tax expense (benefit) computed by applying the domestic federal statutory income tax rates to pretax income (loss) from continuing operations attributable to increase (decrease) in the income tax rates." } } }, "auth_ref": { "r881", "r888", "r893", "r1445" } } }, "us-gaap_IncomeTaxReconciliationDispositionOfAssets": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "IncomeTaxReconciliationDispositionOfAssets", "crdr": "debit", "presentation": { "http://www.hpe.com/role/TaxesonEarningsNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Disposition of asset", "label": "Effective Income Tax Rate Reconciliation, Disposition of Asset, Amount", "documentation": "Amount of difference between reported income tax expense (benefit) and expected income tax expense (benefit) computed by applying domestic federal statutory income tax rates to pretax income (loss) from continuing operations, attributable to disposition of asset. Includes, but is not limited to, intra-entity transfer of asset other than inventory." } } }, "auth_ref": { "r1844", "r1845" } } }, "us-gaap_IncomeTaxReconciliationOtherReconcilingItems": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "IncomeTaxReconciliationOtherReconcilingItems", "crdr": "debit", "presentation": { "http://www.hpe.com/role/TaxesonEarningsNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Net income tax charges (benefits)", "label": "Effective Income Tax Rate Reconciliation, Other Reconciling Items, Amount", "documentation": "Amount of difference between reported income tax expense (benefit) and expected income tax expense (benefit) computed by applying statutory federal (national) tax rate to pretax income (loss) from continuing operation attributable to other reconciling item. Excludes state and local income tax expense (benefit), federal tax expense (benefit), statutory income tax expense (benefit) outside of country of domicile, tax credit, nondeductible expense, deduction, income tax settlement, income tax contingency, and cross-border tax law." } } }, "auth_ref": { "r1844", "r1845" } } }, "hpe_IncomeTaxReconciliationReducedRatesForIncomeFromManufacturingAndServices": { "xbrltype": "monetaryItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "IncomeTaxReconciliationReducedRatesForIncomeFromManufacturingAndServices", "crdr": "credit", "presentation": { "http://www.hpe.com/role/TaxesonEarningsNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Income tax benefits, reduced rates for subsidiaries in certain countries", "label": "Income Tax Reconciliation, Reduced Rates for Income from Manufacturing and Services", "documentation": "Amount of the difference between reported income tax expense (benefit) and expected income tax expense (benefit) computed by applying the domestic federal statutory income tax rates to pretax income (loss) from continuing operations attributable to reduced rates for subsidiaries in certain countries resulting from certain employment actions and capital investments undertaken by the entity." } } }, "auth_ref": {} } }, "hpe_IncomeTaxReconciliationReducedRatesForIncomeFromManufacturingAndServicesPerShare": { "xbrltype": "perShareItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "IncomeTaxReconciliationReducedRatesForIncomeFromManufacturingAndServicesPerShare", "presentation": { "http://www.hpe.com/role/TaxesonEarningsNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Income tax benefits, reduced rates for subsidiaries in certain countries (in dollars per share)", "label": "Income Tax Reconciliation, Reduced Rates for Income from Manufacturing and Services, Per Share", "documentation": "Per share amount of the difference between reported income tax expense (benefit) and expected income tax expense (benefit) computed by applying the domestic federal statutory income tax rates to pretax income (loss) from continuing operations attributable to reduced rates for subsidiaries in certain countries resulting from certain employment actions and capital investments undertaken by the entity." } } }, "auth_ref": {} } }, "us-gaap_IncomeTaxReconciliationTaxSettlementsDomestic": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "IncomeTaxReconciliationTaxSettlementsDomestic", "crdr": "debit", "presentation": { "http://www.hpe.com/role/TaxesonEarningsNarrativeDetails": { "lang": { "en-us": { "role": { "negatedLabel": "Effective income tax rate reconciliation, tax settlement, domestic, amount", "label": "Effective Income Tax Rate Reconciliation, Tax Settlement, Domestic, Amount", "documentation": "Amount of the difference between reported income tax expense (benefit) and expected income tax expense (benefit) computed by applying the domestic federal statutory income tax rates to pretax income (loss) from continuing operations attributable to domestic income tax settlement." } } }, "auth_ref": { "r1844", "r1845" } } }, "us-gaap_IncomeTaxReconciliationTaxSettlementsForeign": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "IncomeTaxReconciliationTaxSettlementsForeign", "crdr": "debit", "presentation": { "http://www.hpe.com/role/TaxesonEarningsNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Effective income tax rate reconciliation, tax settlement, foreign, amount", "label": "Effective Income Tax Rate Reconciliation, Tax Settlement, Foreign, Amount", "documentation": "Amount of the difference between reported income tax expense (benefit) and expected income tax expense (benefit) computed by applying the domestic federal statutory income tax rates to pretax income (loss) from continuing operations attributable to foreign income tax settlement." } } }, "auth_ref": { "r1844", "r1845" } } }, "us-gaap_IncomeTaxesPaidNet": { "xbrltype": "monetaryItemType", "nsuri": "http://www.hpe.com/role/ConsolidatedStatementsOfCashFlows": { "lang": { "en-us": { "role": { "terseLabel": "Income taxes paid, net of refunds", "label": "Income Taxes Paid, Net", "documentation": "Amount, after refund, of cash paid to foreign, federal, state, and local jurisdictions as income tax." } } }, "auth_ref": { "r53", "r917", "r918" } } }, "us-gaap_IncreaseDecreaseInAccountsPayableTrade": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "IncreaseDecreaseInAccountsPayableTrade", "crdr": "debit", "calculation": { "http://www.hpe.com/role/ConsolidatedStatementsOfCashFlows": { "parentTag": "us-gaap_NetCashProvidedByUsedInOperatingActivities", "weight": 1.0, "order": 14.0 } }, "presentation": { "http://www.hpe.com/role/ConsolidatedStatementsOfCashFlows": { "lang": { "en-us": { "role": { "negatedLabel": "Accounts payable", "label": "Increase (Decrease) in Accounts Payable, Trade", "documentation": "Change in recurring obligations of a business that arise from the acquisition of merchandise, materials, supplies and services used in the production and sale of goods and services." } } }, "auth_ref": { "r16" } } }, "us-gaap_IncreaseDecreaseInAccountsReceivable": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "IncreaseDecreaseInAccountsReceivable", "crdr": "credit
```

"presentation": {"f": "http://www.hpe.com/role/ConsolidatedStatementsOfCashFlows"}, {"lang": {"f": "en-us"}, {"role": {"f": "negatedLabel"}, {"label": "Increase (Decrease) in Other Operating Assets and Liabilities, Net"}, {"documentation": "Amount of increase (decrease) in operating assets after deduction of operating liabilities classified as other."}}, {"auth_ref": {"f": "r16"}, {"us-gaap_IncreaseDecreaseInRestructuringReserve": {"xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "IncreaseDecreaseInRestructuringReserve", "crdr": "debit", "calculation": {"f": "http://www.hpe.com/role/ConsolidatedStatementsOfCashFlows"}, {"parentTag": "us-gaap_NetCashProvidedByUsedInOperatingActivities", "weight": 1.0, "order": 16.0}}, {"presentation": {"f": "http://www.hpe.com/role/ConsolidatedStatementsOfCashFlows"}, {"lang": {"f": "en-us"}, {"role": {"f": "terseLabel"}, {"label": "Restructuring"}, {"label": "Increase (Decrease) in Restructuring Reserve"}, {"documentation": "The increase (decrease) during the period in the carrying amount (including both current and noncurrent portions of the accrual) of the liability pertaining to the exit from or disposal of business activities or restructuring pursuant to a duly authorized plan, excluding costs or losses pertaining to an entity newly acquired in a business combination and to asset retirement obligations."}}, {"auth_ref": {"f": "r1638"}, {"us-gaap_IncreaseDecreaseInStockholdersEquityRollForward": {"xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "IncreaseDecreaseInStockholdersEquityRollForward", "presentation": {"f": "http://www.hpe.com/role/ConsolidatedStatementsOfStockholdersEquity"}, {"lang": {"f": "en-us"}, {"role": {"f": "role"}, {"f": "terseLabel"}, {"label": "Increase (Decrease) in Stockholders' Equity"}, {"label": "Increase (Decrease) in Stockholders' Equity [Roll Forward]"}, {"documentation": "A roll forward is a reconciliation of a concept from the beginning of a period to the end of a period."}}, {"auth_ref": {"f": "us-gaap_IncrementalCommonSharesAttributableToConversionOfPreferredStock": {"xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "IncrementalCommonSharesAttributableToConversionOfPreferredStock", "calculation": {"f": "http://www.hpe.com/role/NetEarningsPerShareDetails"}, {"parentTag": "us-gaap_WeightedAverageNumberOfDilutedSharesOutstanding", "weight": 1.0, "order": 3.0}}, {"presentation": {"f": "http://www.hpe.com/role/NetEarningsPerShareDetails"}, {"lang": {"f": "en-us"}, {"role": {"f": "role"}, {"f": "terseLabel"}, {"label": "Dilutive effect of preferred stock (in shares)"}, {"label": "Incremental Common Shares Attributable to Dilutive Effect of Conversion of Preferred Stock"}, {"documentation": "Additional shares included in the calculation of diluted EPS as a result of the potentially dilutive effect of convertible preferred stock using the if-converted method."}}, {"auth_ref": {"f": "r444", "r445", "r450"}, {"us-gaap_IncrementalCommonSharesAttributableToShareBasedPaymentArrangements": {"xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "IncrementalCommonSharesAttributableToShareBasedPaymentArrangements", "calculation": {"f": "http://www.hpe.com/role/NetEarningsPerShareDetails"}, {"parentTag": "us-gaap_WeightedAverageNumberOfDilutedSharesOutstanding", "weight": 1.0, "order": 2.0}}, {"presentation": {"f": "http://www.hpe.com/role/NetEarningsPerShareDetails"}, {"lang": {"f": "en-us"}, {"role": {"f": "role"}, {"f": "terseLabel"}, {"label": "Dilutive effect of employee stock plans (in shares)"}, {"label": "Incremental Common Shares Attributable to Dilutive Effect of Share-Based Payment Arrangements"}, {"documentation": "Additional shares included in the calculation of diluted EPS as a result of the potentially dilutive effect of share based payment arrangements using the treasury stock method."}}, {"auth_ref": {"f": "r436", "r437", "r438", "r450", "r834"}, {"us-gaap_IndemnificationGuaranteeMember": {"xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "IndemnificationGuaranteeMember", "presentation": {"f": "http://www.hpe.com/role/GuaranteesAndIndemnificationsIndemnifiedLitigationMattersAndOtherContingenciesDetails"}, {"lang": {"f": "en-us"}, {"role": {"f": "role"}, {"f": "terseLabel"}, {"label": "Litigation Matters and Other Contingencies"}, {"label": "Indemnification Agreement [Member]"}, {"documentation": "An agreement (contract) that contingently requires the guarantor to make payments to the guaranteed party in compensation for that party's or parties' loss or injury attributable to specified events or actions, such as a patent infringement action against an entity that relied on certain representations as to ownership rights made by a software vendor."}}, {"auth_ref": {"f": "r1735"}, {"hpe_IndiaDirectorateOfRevenueIntelligenceProceedingsMember": {"xbrltype": "domainItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "IndiaDirectorateOfRevenueIntelligenceProceedingsMember", "presentation": {"f": "http://www.hpe.com/role/LitigationContingenciesAndCommitmentsDetails"}, {"lang": {"f": "en-us"}, {"role": {"f": "role"}, {"f": "terseLabel"}, {"label": "India Directorate of Revenue Intelligence Proceedings"}, {"label": "India Directorate Of Revenue Intelligence Proceedings [Member]"}, {"documentation": "Proceedings alleging the underpayment of customs duties to the India Directorate of Revenue."}}, {"auth_ref": {"f": "ecd_IndividualAxis": {"xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "IndividualAxis", "presentation": {"f": "http://xbrl.sec.gov/ecd/role/AwardTimingDisclosure"}, {"http://xbrl.sec.gov/ecd/role/ErrCompDisclosure"}, {"http://xbrl.sec.gov/ecd/role/InsiderTradingArrangements"}, {"http://xbrl.sec.gov/ecd/role/PvpDisclosure"}, {"lang": {"f": "en-us"}, {"role": {"f": "terseLabel"}, {"label": "Individual"}, {"label": "Individual [Axis]"}, {"auth_ref": {"f": "r1511", "r1522", "r1532", "r1556", "r1565", "r1569", "r1577"}, {"hpe_InformationTechnologyInfrastructureCosts": {"xbrltype": "monetaryItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "InformationTechnologyInfrastructureCosts", "crdr": "debit", "calculation": {"f": "http://www.hpe.com/role/TransformationProgramsTransformationCostsDetails"}, {"parentTag": "hpe_TransformationCosts", "weight": 1.0, "order": 6.0}}, {"presentation": {"f": "http://www.hpe.com/role/TransformationProgramsTransformationCostsDetails"}, {"lang": {"f": "en-us"}, {"role": {"f": "role"}, {"f": "terseLabel"}, {"label": "IT costs"}, {"label": "Information Technology Infrastructure Costs"}, {"documentation": "Information Technology infrastructure costs incurred for internally developed software that is not eligible for capitalization, and system implementation costs."}}, {"auth_ref": {"f": "hpe_InfrastructureAndOtherRestructuringItemsMember": {"xbrltype": "domainItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "InfrastructureAndOtherRestructuringItemsMember", "presentation": {"f": "http://www.hpe.com/role/TransformationProgramsScheduleOfRestructuringActivitiesDetails"}, {"lang": {"f": "en-us"}, {"role": {"f": "role"}, {"f": "terseLabel"}, {"label": "Infrastructure and other"}, {"label": "Infrastructure And Other Restructuring Items [Member]"}, {"documentation": "Infrastructure and other costs associated with exit or disposal activities."}}, {"auth_ref": {"f": "ecd_InsiderTradingArrLineItems": {"xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "InsiderTradingArrLineItems", "lang": {"f": "en-us"}, {"role": {"f": "role"}, {"f": "label"}, {"label": "Insider Trading Arrangements [Line Items]"}, {"auth_ref": {"f": "r1575"}, {"ecd_InsiderTradingPoliciesProcLineItems": {"xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "InsiderTradingPoliciesProcLineItems", "lang": {"f": "en-us"}, {"role": {"f": "role"}, {"f": "label"}, {"label": "Insider Trading Policies and Procedures [Line Items]"}, {"auth_ref": {"f": "r1503", "r1501"}, {"ecd_InsiderTrdPoliciesProcAdoptedFlag": {"xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "InsiderTrdPoliciesProcAdoptedFlag", "presentation": {"f": "http://xbrl.sec.gov/ecd/role/InsiderTradingPoliciesProc"}, {"lang": {"f": "en-us"}, {"role": {"f": "role"}, {"f": "terseLabel"}, {"label": "Insider Trading Policies and Procedures Adopted"}, {"label": "Insider Trading Policies and Procedures Adopted [Flag]"}, {"auth_ref": {"f": "r1503", "r1501"}, {"ecd_InsiderTrdPoliciesProcNotAdoptedTextBlock": {"xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "InsiderTrdPoliciesProcNotAdoptedTextBlock", "presentation": {"f": "http://xbrl.sec.gov/ecd/role/InsiderTradingPoliciesProc"}, {"lang": {"f": "en-us"}, {"role": {"f": "role"}, {"f": "terseLabel"}, {"label": "Insider Trading Policies and Procedures Not Adopted"}, {"label": "Insider Trading Policies and Procedures Not Adopted [Text Block]"}, {"auth_ref": {"f": "r1503", "r1501"}, {"hpe_InsuranceGroupAnnuityContractsMember": {"xbrltype": "domainItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "InsuranceGroupAnnuityContractsMember", "presentation": {"f": "http://www.hpe.com/role/RetirementAndPostRetirementBenefitPlansChangesInFairValueMeasurementsOfLevel3InvestmentsForTheNonUSDefinedBenefitPlansDetails"}, {"http://www.hpe.com/role/RetirementAndPostRetirementBenefitPlansFairValueOfNonUSDefinedBenefitPlansAssetsByAssetCategoryWithinTheFairValueHierarchyDetails"}, {"lang": {"f": "en-us"}, {"role": {"f": "role"}, {"f": "terseLabel"}, {"label": "Insurance Group Annuity Contracts"}, {"verboseLabel": "Insurance Group Annuities"}, {"label": "Insurance Group Annuity Contracts [Member]"}, {"documentation": "Contract providing a monthly income benefit to members of a group of employees."}}, {"auth_ref": {"f": "us-gaap_IntangibleAssetsGrossExcludingGoodwill": {"xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "IntangibleAssetsGrossExcludingGoodwill", "crdr": "debit", "calculation": {"f": "http://www.hpe.com/role/GoodwillAndIntangibleAssetsIntangibleAssetsDetails"}, {"parentTag": "us-gaap_IntangibleAssetsNetExcludingGoodwill", "weight": 1.0, "order": 1.0}}, {"presentation": {"f": "http://www.hpe.com/role/GoodwillAndIntangibleAssetsIntangibleAssetsDetails"}, {"lang": {"f": "en-us"}, {"role": {"f": "role"}, {"f": "totalLabel"}, {"label": "Intangible assets, gross (excluding goodwill)"}, {"label": "Intangible Assets, Gross (Excluding Goodwill)"}, {"documentation": "Amount before accumulated amortization of intangible assets, excluding goodwill."}}, {"auth_ref": {"f": "r353"}, {"us-gaap_IntangibleAssetsNetExcludingGoodwill": {"xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "IntangibleAssetsNetExcludingGoodwill", "crdr": "debit", "calculation": {"f": "http://www.hpe.com/role/ConsolidatedBalanceSheets"}, {"parentTag": "us-gaap_Assets", "weight": 1.0, "order": 6.0}}, {"presentation": {"f": "http://www.hpe.com/role/ConsolidatedBalanceSheets"}, {"http://www.hpe.com/role/GoodwillAndIntangibleAssetsIntangibleAssetsDetails"}, {"lang": {"f": "en-us"}, {"role": {"f": "role"}, {"f": "terseLabel"}, {"label": "Intangible assets, net"}, {"label": "Intangible Assets, Net (Excluding Goodwill)"}, {"documentation": "Sum of the carrying amounts of all intangible assets, excluding goodwill, as of the balance sheet date, net of accumulated amortization and impairment charges."}}, {"auth_ref": {"f": "r608", "r1714", "r1716"}, {"hpe_IntelligentEdgeMember": {"xbrltype": "domainItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "IntelligentEdgeMember", "presentation": {"f": "http://www.hpe.com/role/GoodwillAndIntangibleAssetsCarryingValueOfGoodwillByReportableSegmentDetails"}, {"http://www.hpe.com/role/SegmentInformationSegmentOperatingResultsFromContinuingOperationsDetails"}, {"lang": {"f": "en-us"}, {"role": {"f": "role"}, {"f": "terseLabel"}, {"label": "Intelligent Edge"}, {"label": "Intelligent Edge [Member]"}, {"documentation": "Interest and debt related expenses associated with nonoperating financing activities of the entity."}}, {"auth_ref": {"f": "r1634"}, {"us-gaap_InterestExpense": {"xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "InterestExpense", "crdr": "debit", "calculation": {"f": "http://www.hpe.com/role/BorrowingsLongTermDebtDetails"}, {"parentTag": null, "weight": null, "order": null, "root": true}}, {"presentation": {"f": "http://www.hpe.com/role/BorrowingsLongTermDebtDetails"}, {"lang": {"f": "en-us"}, {"role": {"f": "role"}, {"f": "totalLabel"}, {"label": "Total interest expense"}, {"label": "Interest Expense, Operating and Nonoperating"}, {"documentation": "Amount of interest expense classified as operating and nonoperating. Includes, but is not limited to, cost of borrowing accounted for as interest expense."}}, {"auth_ref": {"f": "r456", "r465", "r469", "r475", "r495", "r1007", "r1406", "r1407"}, {"us-gaap_InterestExpenseAbstract": {"xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "InterestExpenseAbstract", "presentation": {"f": "http://www.hpe.com/role/BorrowingsLongTermDebtDetails"}, {"lang": {"f": "en-us"}, {"role": {"f": "role"}, {"f": "terseLabel"}, {"label": "Interest expense"}, {"label": "Interest Expense, Debt"}, {"documentation": "Amount of the cost of borrowed funds accounted for as interest expense for debt."}}, {"auth_ref": {"f": "r184", "r706", "r715", "r1424", "r1425"}, {"us-gaap_InterestIncomeOperating": {"xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "InterestIncomeOperating", "crdr": "credit", "calculation": {"f": "http://www.hpe.com/role/ConsolidatedStatementsOfEarnings"}, {"parentTag": "us-gaap_Revenues", "weight": 1.0, "order": 2.0}}, {"presentation": {"f": "http://www.hpe.com/role/ConsolidatedStatementsOfEarnings"}, {"lang": {"f": "en-us"}, {"role": {"f": "role"}, {"f": "terseLabel"}, {"label": "Financing income"}, {"label": "Interest Income, Operating"}, {"documentation": "Amount of operating interest income, including, but not limited to, amortization and accretion of premiums and discounts on securities."}}, {"auth_ref": {"f": "r468", "r1256", "r1352", "r1353", "r1406", "r1493", "r1494", "r1631", "r1959"}, {"us-gaap_InterestPaidNet": {"xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "InterestPaidNet", "crdr": "credit", "presentation": {"f": "http://www.hpe.com/role/ConsolidatedStatementsOfCashFlows"}, {"lang": {"f": "en-us"}, {"role": {"f": "role"}, {"f": "terseLabel"}, {"label": "Interest expense paid"}, {"label": "Interest Paid, Excluding Capitalized Interest, Operating Activities"}, {"documentation": "Amount of cash paid for interest, excluding capitalized interest, classified as operating activity. Includes, but is not limited to, payment to settle zero-coupon bond for accreted interest of debt discount and debt instrument with insignificant coupon interest rate in relation to effective interest rate of borrowing attributable to accreted interest of debt discount."}}, {"auth_ref": {"f": "r400", "r403", "r405"}, {"us-gaap_InterestRateContractMember": {"xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "InterestRateContractMember", "presentation": {"f": "http://www.hpe.com/role/FairValueScheduleOfAssetsAndLiabilitiesonaRecurringBasisDetails"}, {"http://www.hpe.com/role/FinancialInstrumentsGrossNotionalandFairValueofInstrumentsintheBalanceSheetsDetails"}, {"http://www.hpe.com/role/FinancialInstrumentsPretaxEffectOfDerivativeInstrumentsinHedgingRelationshipsonOCIDetails"}, {"http://www.hpe.com/role/FinancialInstrumentsPretaxEffectOfDerivativeInstrumentsonStatementOfEarningsDetails"}, {"lang": {"f": "en-us"}, {"role": {"f": "role"}, {"f": "terseLabel"}, {"label": "Interest rate contracts"}, {"label": "Interest Rate Contract [Member]"}, {"documentation": "Derivative instrument whose primary underlying risk is tied to the right to receive or pay a sum of money at a given interest rate."}}, {"auth_ref": {"f": "r1384", "r1395", "r1430", "r1449"}, {"us-gaap_InterestContinuedToBeHeldByTransferorFairValue": {"xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "InterestContinuedToBeHeldByTransferorFairValue", "crdr": "debit", "presentation": {"f": "http://www.hpe.com/role/AccountingforLeasesasLessorNarrativeDetails"}, {"lang": {"f": "en-us"}, {"role": {"f": "role"}, {"f": "terseLabel"}, {"label": "Amount transferred via securitization"}, {"label": "Transferor's Interests in Transferred Financial Assets, Fair Value"}, {"documentation": "The carrying amount (fair value) as of the balance sheet date of the transferor's interests in transferred financial assets (typically securitized receivables, generally not involved in the collection of principal) following transfer of significant portions of such financial instruments to other parties. Such interests could be ancillary cash flows and interest-only strips."}}, {"auth_ref": {"f": "r1904"}, {"us-gaap_InternalCreditAssessmentAxis": {"xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "InternalCreditAssessmentAxis", "presentation": {"f": "http://www.hpe.com/role/AccountingforLeasesasLessorCreditRiskProfileoffinancingReceivablesDetails"}, {"lang": {"f": "en-us"}, {"role": {"f": "role"}, {"f": "terseLabel"}, {"label": "Internal Credit Assessment [Axis]"}, {"label": "Internal Credit Assessment [Axis]"}, {"documentation": "Information by entity-defined rating."}}, {"auth_ref": {"f": "r263", "r264", "r265", "r957"}}


```
"r1413","r1692"}],"us-gaap-InternalCreditAssessmentDomain":{"xbrltype":"","domainItemType":"","nsuri":"http://fasb.org/us-gaap/2024"},"localname":"InternalCreditAssessmentDomain","presentation":f"http://www.hpe.com/role/AccountingforLeasesasaLessorCreditRiskProfileofFinancingReceivablesDetails"},{"lang":f"en-us",{ "role":f"terseLabel","Internal Credit Assessment [Domain]","label":"Internal Credit Assessment [Domain]","documentation":"Entity defined credit risk rating."}}},"auth_ref":f}, {"us-gaap-InternalRevenueServiceIRSMember":{"xbrltype":"","domainItemType":"","nsuri":"http://fasb.org/us-gaap/2024"},"localname":"InternalRevenueServiceIRSMember","presentation":f"}, {"http://www.hpe.com/role/TaxesonEarningsDeferredTaxAssetsandLiabilitiesIncludedinCondensedConsolidatedBalanceSheetsDetails"}, {"http://www.hpe.com/role/TaxesonEarningsNarrativeDetails"}, {"lang":f"en-us",{ "role":f"terseLabel","Federal","label":"Internal Revenue Service (IRS) [Member]","documentation":"Designated tax department of the United States of America government entitled to levy and collect income taxes from the entity."}}},"auth_ref":f}, {"us-gaap-IntersegmentEliminationMember":{"xbrltype":"","domainItemType":"","nsuri":"http://fasb.org/us-gaap/2024"},"localname":"IntersegmentEliminationMember","presentation":f"}, {"http://www.hpe.com/role/SegmentInformationReconciliationofSegmentOperatingResultsDetails"}, {"http://www.hpe.com/role/SegmentInformationSegmentOperatingResultsfromContinuingOperationsDetails"}, {"lang":f"en-us",{ "role":f"terseLabel","Intersegment net revenue","verboseLabel":"Elimination of intersegment net revenue","label":"Intersegment Eliminations [Member]","documentation":"Eliminating entries used in operating segment consolidation."}}},"auth_ref":f,"r253","r456","r467","r489","r490","r491","r492","r493","r495","r496","r496","r496"}, {"us-gaap-InventoriesFinishedGoodsNetOfReserves":{"xbrltype":"","monetaryItemType":"","nsuri":"http://fasb.org/us-gaap/2024"},"localname":"InventoryFinishedGoodsNetOfReserves","crdr":"debit","calculation":f"http://www.hpe.com/role/BalanceSheetDetailsInventoryDetails"}, {"parentTag":"us-gaap-InventoryNet","weight":1.0,"order":1.0},"presentation":f"http://www.hpe.com/role/BalanceSheetDetailsInventoryDetails"}, {"lang":f"en-us",{ "role":f"terseLabel","Finished goods","label":"Inventory, Finished Goods, Net of Reserves","documentation":"Carrying amount, net of valuation reserves and adjustments, as of the balance sheet date of merchandise or goods held by the company that are readily available for sale."}}},"auth_ref":f,"r200","r1391"}, {"us-gaap-InventoryNet":{"xbrltype":"","monetaryItemType":"","nsuri":"http://fasb.org/us-gaap/2024"},"localname":"InventoryNet","crdr":"debit","calculation":f"}, {"http://www.hpe.com/role/ConsolidatedBalanceSheets"}, {"parentTag":"us-gaap-AssetsCurrent","weight":1.0,"order":4.0},"presentation":f"}, {"http://www.hpe.com/role/BalanceSheetDetailsInventoryDetails"}, {"parentTag":null,"weight":null,"order":null,"root":true},"presentation":f"}, {"http://www.hpe.com/role/BalanceSheetDetailsInventoryDetails"}, {"http://www.hpe.com/role/ConsolidatedBalanceSheets"}, {"lang":f"en-us",{ "role":f"terseLabel","Inventory","totalLabel":"Total","label":"Inventory, Net","documentation":"Amount after valuation and LIFO reserves of inventory expected to be sold, or consumed within one year or operating cycle, if longer."}}},"auth_ref":f,"r367","r1389","r1462"}, {"us-gaap-InventoryPolicyTextBlock":{"xbrltype":"","textBlockItemType":"","nsuri":"http://fasb.org/us-gaap/2024"},"localname":"InventoryPolicyTextBlock","presentation":f"}, {"http://www.hpe.com/role/OverviewandSummaryofSignificantAccountingPoliciesPolicies"}, {"lang":f"en-us",{ "role":f"terseLabel","Inventory","label":"Inventory, Policy [Policy Text Block]","documentation":"Disclosure of inventory accounting policy for inventory classes, including, but not limited to, basis for determining inventory amounts, methods by which amounts are added and removed from inventory classes, loss recognition on impairment of inventories, and situations in which inventories are stated above cost."}}},"auth_ref":f,"r278","r349","r366","r587","r588","r590","r1082","r1397"}, {"us-gaap-InventoriesWorkInProcessAndRawMaterialsNetOfReserves":{"xbrltype":"","monetaryItemType":"","nsuri":"http://fasb.org/us-gaap/2024"},"localname":"InventoryWorkInProcessAndRawMaterialsNetOfReserves","crdr":"debit","calculation":f"}, {"http://www.hpe.com/role/BalanceSheetDetailsInventoryDetails"}, {"parentTag":"us-gaap-InventoryNet","weight":1.0,"order":2.0},"presentation":f"}, {"http://www.hpe.com/role/BalanceSheetDetailsInventoryDetails"}, {"lang":f"en-us",{ "role":f"terseLabel","Purchased parts and fabricated assemblies","label":"Inventory, Work In Process and Raw Materials, Net of Reserves","documentation":"The aggregate carrying amount, net of valuation reserves and adjustments, as of the balance sheet date of items which are partially completed at the time of measurement and unprocessed items that will go through the production process and become part of the final product. This element may be used when the reporting entity combines work in process and raw materials into an aggregate amount."}}},"auth_ref":f,"r200","r1627"}, {"us-gaap-InventoriesWriteDown":{"xbrltype":"","monetaryItemType":"","nsuri":"http://fasb.org/us-gaap/2024"},"localname":"InventoryWriteDown","crdr":"debit","calculation":f"}, {"http://www.hpe.com/role/ConsolidatedStatementsofCashFlows"}, {"parentTag":"us-gaap_NetCashProvidedByUsedInOperatingActivities","weight":1.0,"order":5.0},"presentation":f"}, {"http://www.hpe.com/role/ConsolidatedStatementsofCashFlows"}, {"lang":f"en-us",{ "role":f"terseLabel","Provision for inventory and credit losses","label":"Inventory Write-down","documentation":"Amount of loss from reductions in inventory due to subsequent measurement adjustments, including, but not limited to, physical deterioration, obsolescence, or changes in price levels."}}},"auth_ref":f,"r589"}, {"us-gaap-InvestmentIncomeInterest":{"xbrltype":"","monetaryItemType":"","nsuri":"http://fasb.org/us-gaap/2024"},"localname":"InvestmentIncomeInterest","crdr":"credit","presentation":f"}, {"http://www.hpe.com/role/FinancialInstrumentsNarrativeDetails"}, {"lang":f"en-us",{ "role":f"terseLabel","Interest income","label":"Investment Income, Interest","documentation":"Amount before accretion (amortization) of purchase discount (premium) of interest income on nonoperating securities."}}},"auth_ref":f,"r456","r468","r495","r496","r1632"}, {"hpe-InvestmentPolicyTextBlock":{"xbrltype":"","textBlockItemType":"","nsuri":"http://www.hpe.com/20241031"},"localname":"InvestmentPolicyTextBlock","presentation":f"}, {"http://www.hpe.com/role/OverviewandSummaryofSignificantAccountingPoliciesPolicies"}, {"lang":f"en-us",{ "role":f"terseLabel","Investment Policy","label":"Investment Policy [Policy Text Block]","documentation":"Disclosure of accounting policy on highly liquid investments with original maturities of three months or less at the date of acquisition that are considered cash equivalents."}}},"auth_ref":f}, {"us-gaap-InvestmentPolicyTextBlock":{"xbrltype":"","textBlockItemType":"","nsuri":"http://fasb.org/us-gaap/2024"},"localname":"InvestmentPolicyTextBlock","presentation":f"}, {"http://www.hpe.com/role/OverviewandSummaryofSignificantAccountingPoliciesPolicies"}, {"lang":f"en-us",{ "role":f"terseLabel","Equity Securities Investments","label":"Investment, Policy [Policy Text Block]","documentation":"Disclosure of accounting policy for investment in financial asset."}}},"auth_ref":f,"r1150","r1183","r1184","r1185","r1186","r1300","r1302"}, {"us-gaap-InvestmentTypeExtensibleEnumeration":{"xbrltype":"","enumerationSetItemType":"","nsuri":"http://fasb.org/us-gaap/2024"},"localname":"InvestmentTypeExtensibleEnumeration","presentation":f"}, {"http://www.hpe.com/role/FairValueNarrativeDetails"}, {"http://www.hpe.com/role/FinancialInstrumentsNarrativeDetails"}, {"lang":f"en-us",{ "role":f"terseLabel","Investment, Type [Extensible Enumeration]","label":"Investment, Type [Extensible Enumeration]","documentation":"Indicates type of investment. Includes, but is not limited to, common stock, preferred stock, convertible security, fixed income security, government security, option purchased, warrant, loan participation and assignment, commercial paper, bankers' acceptance, certificates of deposit, short-term security, repurchase agreement, and other investment company."}}},"auth_ref":f,"r1210","r1216","r1281","r1289","r1304","r1306","r1307","r1327","r1348","r1356"}, {"us-gaap-InvestmentsAllOtherInvestmentsAbstract":{"xbrltype":"","stringItemType":"","nsuri":"http://fasb.org/us-gaap/2024"},"localname":"InvestmentsAllOtherInvestmentsAbstract","lang":f"en-us",{ "role":f"terseLabel","Investments, All Other Investments [Abstract]","label":"Investments, All Other Investments [Abstract]"}, {"auth_ref":f}, {"us-gaap-InvestmentsClassifiedByContractualMaturityDateTableTextBlock":{"xbrltype":"","textBlockItemType":"","nsuri":"http://fasb.org/us-gaap/2024"},"localname":"InvestmentsClassifiedByContractualMaturityDateTableTextBlock","presentation":f"}, {"http://www.hpe.com/role/FinancialInstrumentsTables"}, {"lang":f"en-us",{ "role":f"verboseLabel","Contractual Maturities of Investments in Available-for-Sale Debt Securities","label":"Investments Classified by Contractual Maturity Date [Table Text Block]","documentation":"Tabular disclosure of maturities of an entity's investments as well as any other information pertinent to the investments."}}},"auth_ref":f}, {"hpe-JuniperNetworksIncMember":{"xbrltype":"","domainItemType":"","nsuri":"http://www.hpe.com/20241031"},"localname":"JuniperNetworksIncMember","presentation":f"}, {"http://www.hpe.com/role/AcquisitionsandDispositionsAggregatePurchasePriceAllocationDetails"}, {"http://www.hpe.com/role/AcquisitionsandDispositionsNarrativeDetails"}, {"http://www.hpe.com/role/FinancialInstrumentsNarrativeDetails"}, {"lang":f"en-us",{ "role":f"terseLabel","Juniper Networks, Inc","label":"Juniper Networks, Inc [Member]","documentation":"Juniper Networks, Inc"}, {"auth_ref":f}, {"us-gaap-LandAndBuildingMember":{"xbrltype":"","domainItemType":"","nsuri":"http://fasb.org/us-gaap/2024"},"localname":"LandAndBuildingMember","presentation":f"}, {"http://www.hpe.com/role/BalanceSheetDetailsPropertyPlantandEquipmentDetails"}, {"lang":f"en-us",{ "role":f"terseLabel","Buildings and leasehold improvements","label":"Land and Building [Member]","documentation":"Real estate held for productive use and structures used in the conduct of business, including but not limited to, office, production, storage and distribution facilities."}}},"auth_ref":f}, {"us-gaap-LandMember":{"xbrltype":"","domainItemType":"","nsuri":"http://fasb.org/us-gaap/2024"},"localname":"LandMember","presentation":f"}, {"http://www.hpe.com/role/BalanceSheetDetailsPropertyPlantandEquipmentDetails"}, {"lang":f"en-us",{ "role":f"terseLabel","Land","label":"Land [Member]","documentation":"Part of earth's surface not covered by water."}}},"auth_ref":f,"r1753"}, {"us-gaap-LeaseCost":{"xbrltype":"","monetaryItemType":"","nsuri":"http://fasb.org/us-gaap/2024"},"localname":"LeaseCost","crdr":"debit","calculation":f"}, {"http://www.hpe.com/role/AccountingforLeasesasaLesseeOperatingLeaseCostDetails"}, {"parentTag":null,"weight":null,"order":null,"root":true},"presentation":f"}, {"http://www.hpe.com/role/AccountingforLeasesasaLessorOperatingLeaseCostDetails"}, {"lang":f"en-us",{ "role":f"totalLabel","Total lease cost","label":"Lease, Cost","documentation":"Amount of lease cost recognized by lessee for lease contract."}}},"auth_ref":f,"r1020","r1461"}, {"us-gaap-LeaseCostTableTextBlock":{"xbrltype":"","textBlockItemType":"","nsuri":"http://fasb.org/us-gaap/2024"},"localname":"LeaseCostTableTextBlock","presentation":f"}, {"http://www.hpe.com/role/AccountingforLeasesasaLesseeTables"}, {"lang":f"en-us",{ "role":f"terseLabel","Operating Lease Cost","label":"Lease, Cost [Table Text Block]","documentation":"Tabular disclosure of lessee's lease cost. Includes, but is not limited to, interest expense for finance lease, amortization of right-of-use asset for finance lease, operating lease cost, short-term lease cost, variable lease cost and sublease income."}}},"auth_ref":f,"r1892"}, {"us-gaap-LeaseIncome":{"xbrltype":"","monetaryItemType":"","nsuri":"http://fasb.org/us-gaap/2024"},"localname":"LeaseIncome","crdr":"credit","calculation":f"}, {"http://www.hpe.com/role/AccountingforLeasesasaLessorActivityIncludedinIncomeStatementDetails"}, {"parentTag":null,"weight":null,"order":null,"root":true},"presentation":f"}, {"http://www.hpe.com/role/AccountingforLeasesasaLessorActivityIncludedinIncomeStatementDetails"}, {"lang":f"en-us",{ "role":f"totalLabel","Total lease income","label":"Lease Income","documentation":"Amount of lease income from operating, direct financing, and sales-type leases. Includes, but is not limited to, variable lease payments, interest income, profit (loss) recognized at commencement, and lease payments paid and payable to lessor."}}},"auth_ref":f,"r1036"}, {"hpe-LeaseLiability":{"xbrltype":"","monetaryItemType":"","nsuri":"http://www.hpe.com/20241031"},"localname":"LeaseLiability","crdr":"credit","calculation":f"}, {"http://www.hpe.com/role/AccountingforLeasesasaLesseeLeasesIncludedintheConsolidatedBalanceSheetsDetails"}, {"parentTag":null,"weight":null,"order":null,"root":true},"presentation":f"}, {"http://www.hpe.com/role/AccountingforLeasesasaLesseeLeasesIncludedintheConsolidatedBalanceSheetsDetails"}, {"lang":f"en-us",{ "role":f"totalLabel","Total lease liabilities","label":"Lease Liability","documentation":"Lease Liability"}, {"auth_ref":f}, {"hpe-LeaseTermForWhichLeaseRelatedForwardContractsAndIntercompanyLeaseLoanForwardContractsCanBeExtended":{"xbrltype":"","durationItemType":"","nsuri":"http://www.hpe.com/20241031"},"localname":"LeaseTermForWhichLeaseRelatedForwardContractsAndIntercompanyLeaseLoanForwardContractsCanBeExtended","presentation":f"}, {"http://www.hpe.com/role/FinancialInstrumentsNarrativeDetails"}, {"lang":f"en-us",{ "role":f"terseLabel","Duration of lease term for which lease-related forward contracts and intercompany lease loan forward contracts can be extended","label":"Lease Term For Which Lease Related Forward Contracts And Intercompany Lease Loan Forward Contracts Can Be Extended","documentation":"The duration of lease term for which lease-related forward contracts and intercompany lease loan forward contracts can be extended by the entity."}}},"auth_ref":f}, {"us-gaap-LeasesAbstract":{"xbrltype":"","stringItemType":"","nsuri":"http://fasb.org/us-gaap/2024"},"localname":"LeasesAbstract","lang":f"en-us",{ "role":f"terseLabel","Leases [Abstract]","label":"Leases [Abstract]"}, {"auth_ref":f}, {"hpe-LeasesDeferredIncome":{"xbrltype":"","monetaryItemType":"","nsuri":"http://www.hpe.com/20241031"},"local
```


"role": { "terseLabel": "Components of Financing Receivables", "label": "Leases in Financial Statements of Lessor Disclosure [Table Text Block]", "documentation": "Disclosure of lessor entity's financing lease receivables and billed receivables from operating leases." } }, "auth_ref": { "dei LegalEntityAxis": { "xbrltype": "stringItem", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "LegalEntityAxis", "presentation": { "http://www.hpe.com/role/BorrowingsNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Legal Entity [Axis]", "label": "Legal Entity [Axis]", "documentation": "The set of legal entities associated with a report." } } }, "auth_ref": { "us-gaap LegalMattersAndContingenciesTextBlock": { "xbrltype": "textBlockItem", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LegalMattersAndContingenciesTextBlock", "presentation": { "http://www.hpe.com/role/LitigationContingenciesandCommitments": { "lang": { "en-us": { "role": { "terseLabel": "Litigation, Contingencies, and Commitments", "label": "Legal Matters and Contingencies [Text Block]", "documentation": "The entire disclosure for legal proceedings, legal contingencies, litigation, regulatory and environmental matters and other contingencies." } } }, "auth_ref": { "r207": { "hpe LengthOfSanctionsForInjunctiveRelief": { "xbrltype": "durationItem", "nsuri": "http://www.hpe.com/20241031", "localname": "LengthOfSanctionsForInjunctiveRelief", "presentation": { "http://www.hpe.com/role/LitigationContingenciesandCommitmentsDetails": { "lang": { "en-us": { "role": { "terseLabel": "Length of sanctions", "label": "Length of Sanctions for Injunctive Relief", "documentation": "The length of sanctions that the entity is suspended from bidding and contracting based upon a preliminary ruling issued by the intermediate appellate court." } } }, "auth_ref": { "us-gaap LesseeFinanceLeasesTextBlock": { "xbrltype": "textBlockItem", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LesseeFinanceLeasesTextBlock", "presentation": { "http://www.hpe.com/role/AccountingforLeasesasaLessee": { "lang": { "en-us": { "role": { "terseLabel": "Accounting for Leases as a Lessee", "label": "Lessee, Finance Leases [Text Block]", "documentation": "The entire disclosure for finance leases of lessee, includes, but is not limited to, description of lessee's finance lease and maturity analysis of finance lease liability." } } }, "auth_ref": { "r1012": { "us-gaap LesseeLeasesPolicyTextBlock": { "xbrltype": "textBlockItem", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LesseeLeasesPolicyTextBlock", "presentation": { "http://www.hpe.com/role/OverviewandSummaryofSignificantAccountingPolicies": { "lang": { "en-us": { "role": { "terseLabel": "Lessee Accounting", "label": "Lessee, Leases [Policy Text Block]", "documentation": "Disclosure of accounting policy for leasing arrangement entered into by lessee." } } }, "auth_ref": { "r1019": { "us-gaap LesseeOperatingLeaseLiabilityMaturityTableTextBlock": { "xbrltype": "textBlockItem", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LesseeOperatingLeaseLiabilityMaturityTableTextBlock", "presentation": { "http://www.hpe.com/role/AccountingforLeasesasaLesseeTables": { "lang": { "en-us": { "role": { "terseLabel": "Operating Lease Liability Maturity", "label": "Lessee, Operating Lease, Liability, to be Paid, Maturity [Table Text Block]", "documentation": "Tabular disclosure of undiscounted cash flows of lessee's operating lease liability. Includes, but is not limited to, reconciliation of undiscounted cash flows to operating lease liability recognized in statement of financial position." } } }, "auth_ref": { "r1893": { "us-gaap LesseeOperatingLeaseLiabilityPaymentsDue": { "xbrltype": "monetaryItem", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LesseeOperatingLeaseLiabilityPaymentsDue", "crdr": "credit", "calculation": { "http://www.hpe.com/role/AccountingforLeasesasaLesseeFutureMinimumLeaseCommitmentsDetails": { "parentTag": null, "weight": null, "order": null, "root": true }, "http://www.hpe.com/role/AccountingforLeasesasaLesseeFutureMinimumLeaseCommitmentsDetails": { "parentTag": null, "weight": null, "order": null, "root": true }, "presentation": { "http://www.hpe.com/role/AccountingforLeasesasaLesseeFutureMinimumLeaseCommitmentsDetails": { "lang": { "en-us": { "role": { "totalLabel": "Total future lease payments", "label": "Lessee, Operating Lease, Liability, to be Paid", "documentation": "Amount of lessee's undiscounted obligation for lease payment for operating lease." } } }, "auth_ref": { "r1028": { "us-gaap LesseeOperatingLeaseLiabilityPaymentsDueAfterYearFive": { "xbrltype": "monetaryItem", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LesseeOperatingLeaseLiabilityPaymentsDueAfterYearFive", "crdr": "credit", "calculation": { "http://www.hpe.com/role/AccountingforLeasesasaLesseeFutureMinimumLeaseCommitmentsDetails": { "parentTag": "us-gaap LesseeOperatingLeaseLiabilityPaymentsDue", "weight": 1.0, "order": 5.0 }, "presentation": { "http://www.hpe.com/role/AccountingforLeasesasaLesseeFutureMinimumLeaseCommitmentsDetails": { "lang": { "en-us": { "role": { "terseLabel": "Thereafter", "label": "Lessee, Operating Lease, Liability, to be Paid, After Year Five", "documentation": "Amount of lessee's undiscounted obligation for lease payment for operating lease due after fifth fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)." } } }, "auth_ref": { "r1028": { "us-gaap LesseeOperatingLeaseLiabilityPaymentsDueNextTwelveMonths": { "xbrltype": "monetaryItem", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LesseeOperatingLeaseLiabilityPaymentsDueNextTwelveMonths", "crdr": "credit", "calculation": { "http://www.hpe.com/role/AccountingforLeasesasaLesseeFutureMinimumLeaseCommitmentsDetails": { "parentTag": "us-gaap LesseeOperatingLeaseLiabilityPaymentsDue", "weight": 1.0, "order": 1.0 }, "presentation": { "http://www.hpe.com/role/AccountingforLeasesasaLesseeFutureMinimumLeaseCommitmentsDetails": { "lang": { "en-us": { "role": { "terseLabel": "2025", "label": "Lessee, Operating Lease, Liability, to be Paid, Year One", "documentation": "Amount of lessee's undiscounted obligation for lease payment for operating lease to be paid in next fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)." } } }, "auth_ref": { "r1028": { "us-gaap LesseeOperatingLeaseLiabilityPaymentsDueYearFive": { "xbrltype": "monetaryItem", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LesseeOperatingLeaseLiabilityPaymentsDueYearFive", "crdr": "credit", "calculation": { "http://www.hpe.com/role/AccountingforLeasesasaLesseeFutureMinimumLeaseCommitmentsDetails": { "parentTag": "us-gaap LesseeOperatingLeaseLiabilityPaymentsDue", "weight": 1.0, "order": 6.0 }, "presentation": { "http://www.hpe.com/role/AccountingforLeasesasaLesseeFutureMinimumLeaseCommitmentsDetails": { "lang": { "en-us": { "role": { "terseLabel": "2029", "label": "Lessee, Operating Lease, Liability, to be Paid, Year Five", "documentation": "Amount of lessee's undiscounted obligation for lease payment for operating lease to be paid in fifth fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)." } } }, "auth_ref": { "r1028": { "us-gaap LesseeOperatingLeaseLiabilityPaymentsDueYearFour": { "xbrltype": "monetaryItem", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LesseeOperatingLeaseLiabilityPaymentsDueYearFour", "crdr": "credit", "calculation": { "http://www.hpe.com/role/AccountingforLeasesasaLesseeFutureMinimumLeaseCommitmentsDetails": { "parentTag": "us-gaap LesseeOperatingLeaseLiabilityPaymentsDue", "weight": 1.0, "order": 4.0 }, "presentation": { "http://www.hpe.com/role/AccountingforLeasesasaLesseeFutureMinimumLeaseCommitmentsDetails": { "lang": { "en-us": { "role": { "terseLabel": "2028", "label": "Lessee, Operating Lease, Liability, to be Paid, Year Four", "documentation": "Amount of lessee's undiscounted obligation for lease payment for operating lease to be paid in fourth fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)." } } }, "auth_ref": { "r1028": { "us-gaap LesseeOperatingLeaseLiabilityPaymentsDueYearThree": { "xbrltype": "monetaryItem", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LesseeOperatingLeaseLiabilityPaymentsDueYearThree", "crdr": "credit", "calculation": { "http://www.hpe.com/role/AccountingforLeasesasaLesseeFutureMinimumLeaseCommitmentsDetails": { "parentTag": "us-gaap LesseeOperatingLeaseLiabilityPaymentsDue", "weight": 1.0, "order": 3.0 }, "presentation": { "http://www.hpe.com/role/AccountingforLeasesasaLesseeFutureMinimumLeaseCommitmentsDetails": { "lang": { "en-us": { "role": { "terseLabel": "2027", "label": "Lessee, Operating Lease, Liability, to be Paid, Year Three", "documentation": "Amount of lessee's undiscounted obligation for lease payment for operating lease to be paid in third fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)." } } }, "auth_ref": { "r1028": { "us-gaap LesseeOperatingLeaseLiabilityPaymentsDueYearTwo": { "xbrltype": "monetaryItem", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LesseeOperatingLeaseLiabilityPaymentsDueYearTwo", "crdr": "credit", "calculation": { "http://www.hpe.com/role/AccountingforLeasesasaLesseeFutureMinimumLeaseCommitmentsDetails": { "parentTag": "us-gaap LesseeOperatingLeaseLiabilityPaymentsDue", "weight": 1.0, "order": 2.0 }, "presentation": { "http://www.hpe.com/role/AccountingforLeasesasaLesseeFutureMinimumLeaseCommitmentsDetails": { "lang": { "en-us": { "role": { "terseLabel": "2026", "label": "Lessee, Operating Lease, Liability, to be Paid, Year Two", "documentation": "Amount of lessee's undiscounted obligation for lease payment for operating lease to be paid in second fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)." } } }, "auth_ref": { "r1028": { "us-gaap LesseeOperatingLeaseLiabilityUndiscountedExcessAmount": { "xbrltype": "monetaryItem", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LesseeOperatingLeaseLiabilityUndiscountedExcessAmount", "crdr": "credit", "calculation": { "http://www.hpe.com/role/AccountingforLeasesasaLesseeFutureMinimumLeaseCommitmentsDetails": { "parentTag": "us-gaap LesseeOperatingLeaseLiabilityPaymentsDue", "weight": 1.0, "order": 1.0 }, "presentation": { "http://www.hpe.com/role/AccountingforLeasesasaLesseeFutureMinimumLeaseCommitmentsDetails": { "lang": { "en-us": { "role": { "negatedTerseLabel": "Less: imputed interest", "label": "Lessee, Operating Lease, Liability, Undiscounted Excess Amount", "documentation": "Amount of lessee's undiscounted obligation for lease payments in excess of discounted obligation for lease payments for operating lease." } } }, "auth_ref": { "r1028": { "us-gaap LesseeOperatingLeasesTextBlock": { "xbrltype": "textBlockItem", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LesseeOperatingLeasesTextBlock", "presentation": { "http://www.hpe.com/role/AccountingforLeasesasaLessee": { "lang": { "en-us": { "role": { "terseLabel": "Accounting for Leases as a Lessee", "label": "Lessee, Operating Leases [Text Block]", "documentation": "The entire disclosure for operating leases of lessee, includes, but is not limited to, description of operating lease and maturity analysis of operating lease liability." } } }, "auth_ref": { "r1012": { "hpe LessorLeaseActivityTableTextBlock": { "xbrltype": "textBlockItem", "nsuri": "http://www.hpe.com/20241031", "localname": "LessorLeaseActivityTableTextBlock", "presentation": { "http://www.hpe.com/role/AccountingforLeasesasaLessorTables": { "lang": { "en-us": { "role": { "terseLabel": "Lessor Lease Activity", "label": "Lessor, Lease Activity [Table Text Block]", "documentation": "Lessor, Lease Activity" } } }, "auth_ref": { "us-gaap LessorLeaseDescriptionLineItems": { "xbrltype": "stringItem", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LessorLeaseDescriptionLineItems", "presentation": { "http://www.hpe.com/role/AccountingforLeasesasaLessorNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Lessor, Lease, Description [Line Items]", "label": "Lessor, Lease, Description [Line Items]", "documentation": "Line items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table." } } }, "auth_ref": { "r1035": { "us-gaap LessorLeaseDescriptionTable": { "xbrltype": "stringItem", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LessorLeaseDescriptionTable", "presentation": { "http://www.hpe.com/role/AccountingforLeasesasaLessorNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Lessor, Lease, Description [Table]", "label": "Lessor, Lease, Description [Table]", "documentation": "Disclosure of information about lessor's leases." } } }, "auth_ref": { "r1035": { "us-gaap LessorLeasesPolicyTextBlock": { "xbrltype": "textBlockItem", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LessorLeasesPolicyTextBlock", "presentation": { "http://www.hpe.com/role/OverviewandSummaryofSignificantAccountingPolicies": { "lang": { "en-us": { "role": { "terseLabel": "Lessor Accounting", "label": "Lessor, Leases [Policy Text Block]", "documentation": "Disclosure of accounting policy for leasing arrangements entered into by lessor." } } }, "auth_ref": { "r288": { "r289": { "r290": { "r1031": { "hpe LessorOperatingLeaseCarryingValueOfAssetsSubjectToLeasesTableTextBlock": { "xbrltype": "textBlockItem", "nsuri": "http://www.hpe.com/20241031", "localname": "LessorOperatingLeaseCarryingValueOfAssetsSubjectToLeasesTableTextBlock", "presentation": { "http://www.hpe.com/role/AccountingforLeasesasaLessorTables": { "lang": { "en-us": { "role": { "terseLabel": "Operating Lease Assets Included in Machinery and Equipment", "label": "Lessor, Operating Lease, Carrying Value of Assets Subject to Leases [Table Text Block]", "documentation": "Lessor, Operating Lease, Carrying Value of Assets Subject to Leases" } } }, "auth_ref": { "us-gaap LessorOperatingLeasePaymentsToBeReceived": { "xbrltype": "monetaryItem", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LessorOperatingLeasePaymentsToBeReceived", "crdr": "debit", "calculation": { "http://www.hpe.com/role/AccountingforLeasesasaLessorOperatingLeasePaymentsMaturityDetails": { "parentTag": null, "weight": null, "order": null, "root": true }, "presentation": { "http://www.hpe.com/role/AccountingforLeasesasaLessorOperatingLeasePaymentsMaturityDetails": { "lang": { "en-us": { "role": { "totalLabel": "Total", "label": "Lessor, Operating Lease, Payment to be Received", "documentation": "Amount of lease payments to be received by lessor for operating lease." } } }, "auth_ref": { "r1033": { "us-gaap LessorOperatingLeasePaymentsToBeReceivedFiveYears": { "xbrltype": "monetaryItem", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LessorOperatingLeasePaymentsToBeReceivedFiveYears", "crdr": "debit", "calculation": { "http://www.hpe.com/role/AccountingforLeasesasaLessorOperatingLeasePaymentsMaturityDetails": { "parentTag": "us-gaap LessorOperatingLeasePaymentsToBeReceived", "weight": 1.0, "order": 5.0 }, "presentation": { "http://www.hpe.com/role/AccountingforLeasesasaLessorOperatingLeasePaymentsMaturityDetails": { "lang": { "en-us": { "role": { "terseLabel": "2029", "label": "Lessor, Operating Lease, Payment to be Received, Year Five", "documentation": "Amount of lease payment to be received by lessor for operating lease in fifth fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)." } } }, "auth_ref": { "r1033": { "us-gaap LessorOperatingLeasePaymentsToBeReceivedFourYears": { "xbrltype": "monetaryItem", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LessorOperatingLeasePaymentsToBeReceivedFourYears", "crdr": "debit", "calculation": { "http://www.hpe.com/role/AccountingforLeasesasaLessorOperatingLeasePaymentsMaturityDetails": { "parentTag": "us-gaap LessorOperatingLeasePaymentsToBeReceived", "weight": 1.0, "order": 4.0 }, "presentation": { "http://www.hpe.com/role/AccountingforLeasesasaLessorOperatingLeasePaymentsMaturityDetails": { "lang": { "en-us": { "role": { "terseLabel": "2028", "label": "Lessor, Operating Lease, Payment to be Received, Year Four", "documentation": "Amount of lease payment to be received by lessor for operating lease in fourth fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)." } } }, "auth_ref": { "r1033": { "us-gaap LessorOperatingLeasePaymentsToBeReceivedMaturityTableTextBlock": { "xbrltype": "textBlockItem", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LessorOperatingLeasePaymentsToBeReceivedMaturityTableTextBlock", "presentation": { "http://www.hpe.com/role/AccountingforLeasesasaLessorTables": { "lang": { "en-us": { "role": { "terseLabel": "Lessor Operating Lease Payments Maturity", "label": "Lessor, Operating Lease, Payment to be Received, Maturity [Table Text Block]", "documentation": "Tabular disclosure of maturity of undiscounted cash flows to be received by lessor on annual basis for operating lease." } } }, "auth_ref": { "r1894": { "us-gaap LessorOperatingLeasePaymentsToBeReceivedNextTwelveMonths": { "xbrltype": "monetaryItem", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LessorOperatingLeasePaymentsToBeReceivedNextTwelveMonths", "crdr": "debit", "calculation": { "http://www.hpe.com/role/AccountingforLeasesasaLessorOperatingLeasePaymentsMaturityDetails": { "parentTag": "us-gaap LessorOperatingLeasePaymentsToBeReceived",

"weight": 1.0, "order": 1.0 } } , "presentation": { "http://www.hpe.com/role/AccountingforLeasesasaLessorOperatingLeasePaymentsMaturityDetails": { "lang": { "en-us": { "role": { "terseLabel": "2025", "label": "Lessor, Operating Lease, Payment to be Received, Year One", "documentation": "Amount of lease payment to be received by lessor for operating lease in next fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)." } } } , "auth_ref": { "r1033" } } , "us-gaap_LessorOperatingLeasePaymentsToBeReceivedThereafter": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LessorOperatingLeasePaymentsToBeReceivedThereafter", "crdr": "debit", "presentation": { "http://www.hpe.com/role/AccountingforLeasesasaLessorOperatingLeasePaymentsMaturityDetails": { "lang": { "en-us": { "role": { "terseLabel": "Thereafter", "label": "Lessor, Operating Lease, Payment to be Received, after Year Five", "documentation": "Amount of lease payment to be received by lessor for operating lease after fifth fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)." } } } } , "auth_ref": { "r1033" } } , "us-gaap_LessorOperatingLeasePaymentsToBeReceivedThreeYears": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LessorOperatingLeasePaymentsToBeReceivedThreeYears", "crdr": "debit", "calculation": { "http://www.hpe.com/role/AccountingforLeasesasaLessorOperatingLeasePaymentsMaturityDetails": { "parentTag": "us-gaap_LessorOperatingLeasePaymentsToBeReceived", "weight": 1.0, "order": 3.0 } } , "presentation": { "http://www.hpe.com/role/AccountingforLeasesasaLessorOperatingLeasePaymentsMaturityDetails": { "lang": { "en-us": { "role": { "terseLabel": "2027", "label": "Lessor, Operating Lease, Payment to be Received, Year Three", "documentation": "Amount of lease payment to be received by lessor for operating lease in third fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)." } } } } , "auth_ref": { "r1033" } } , "us-gaap_LessorOperatingLeasePaymentsToBeReceivedTwoYears": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LessorOperatingLeasePaymentsToBeReceivedTwoYears", "crdr": "debit", "calculation": { "http://www.hpe.com/role/AccountingforLeasesasaLessorOperatingLeasePaymentsMaturityDetails": { "parentTag": "us-gaap_LessorOperatingLeasePaymentsToBeReceived", "weight": 1.0, "order": 2.0 } } , "presentation": { "http://www.hpe.com/role/AccountingforLeasesasaLessorOperatingLeasePaymentsMaturityDetails": { "lang": { "en-us": { "role": { "terseLabel": "2026", "label": "Lessor, Operating Lease, Payment to be Received, Year Two", "documentation": "Amount of lease payment to be received by lessor for operating lease in second fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)." } } } } , "auth_ref": { "r1033" } } , "hpe_LessorOperatingSalesTypeAndDirectFinancingLeasesAndFinancingReceivablesTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "LessorOperatingSalesTypeAndDirectFinancingLeasesAndFinancingReceivablesTextBlock", "presentation": { "http://www.hpe.com/role/AccountingforLeasesasaLessor": { "lang": { "en-us": { "role": { "terseLabel": "Accounting for Leases as a Lessor", "label": "Lessor, Operating, Sales-type And Direct Financing Leases And Financing Receivables [Text Block]", "documentation": "Lessor, Operating, Sales-type And Direct Financing Leases And Financing Receivables" } } } } , "auth_ref": { } } , "us-gaap_LiabilitiesAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LiabilitiesAbstract", "presentation": { "http://www.hpe.com/role/AccountingforLeasesasaLessorAssetsAndLiabilitiesofVIEDetails": { "lang": { "en-us": { "role": { "terseLabel": "Liabilities held by VIE", "label": "Liabilities [Abstract]", "documentation": "Liabilities held by VIE" } } } } , "auth_ref": { } } , "us-gaap_LiabilitiesAndStockholdersEquity": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LiabilitiesAndStockholdersEquity", "crdr": "credit", "calculation": { "http://www.hpe.com/role/ConsolidatedBalanceSheets": { "parentTag": null, "weight": null, "order": null, "root": true } } , "presentation": { "http://www.hpe.com/role/ConsolidatedBalanceSheets": { "lang": { "en-us": { "role": { "totalLabel": "Total liabilities and stockholders' equity", "label": "Liabilities and Equity", "documentation": "Amount of liabilities and equity items, including the portion of equity attributable to noncontrolling interests, if any." } } } } , "auth_ref": { "r165", "r245", "r1136", "r1462", "r1642", "r1688", "r1893" } } , "us-gaap_LiabilitiesAndStockholdersEquityAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LiabilitiesAndStockholdersEquityAbstract", "presentation": { "http://www.hpe.com/role/ConsolidatedBalanceSheets": { "lang": { "en-us": { "role": { "terseLabel": "LIABILITIES AND STOCKHOLDERS' EQUITY", "label": "Liabilities and Equity [Abstract]", "documentation": "Liabilities and Equity" } } } } , "auth_ref": { } } , "us-gaap_LiabilitiesCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LiabilitiesCurrent", "crdr": "credit", "calculation": { "http://www.hpe.com/role/ConsolidatedBalanceSheets": { "parentTag": "us-gaap_LiabilitiesAndStockholdersEquity", "weight": 1.0, "order": 1.0 } } , "presentation": { "http://www.hpe.com/role/ConsolidatedBalanceSheets": { "lang": { "en-us": { "role": { "totalLabel": "Total current liabilities", "label": "Liabilities, Current", "documentation": "Total obligations incurred as part of normal operations that are expected to be paid during the following twelve months or within one business cycle, if longer." } } } } , "auth_ref": { "r151", "r349", "r410", "r548", "r675", "r676", "r678", "r679", "r680", "r681", "r682", "r684", "r685", "r943", "r948", "r949", "r992", "r1462", "r1742", "r1899", "r1900" } } , "us-gaap_LiabilitiesCurrentAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LiabilitiesCurrentAbstract", "presentation": { "http://www.hpe.com/role/ConsolidatedBalanceSheets": { "lang": { "en-us": { "role": { "terseLabel": "Current Liabilities", "label": "Liabilities, Current [Abstract]", "documentation": "Current Liabilities" } } } } , "auth_ref": { } } , "us-gaap_LiabilitiesFairValueDisclosure": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LiabilitiesFairValueDisclosure", "crdr": "credit", "presentation": { "http://www.hpe.com/role/FairValueScheduleofAssetsandLiabilitiesonaRecurringBasisDetails": { "lang": { "en-us": { "role": { "terseLabel": "Liabilities, Fair Value Disclosure", "label": "Liabilities, Fair Value Disclosure", "documentation": "Fair value of financial and nonfinancial obligations." } } } } , "auth_ref": { "r972", "r1870" } } , "us-gaap_LiabilitiesFairValueDisclosureAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LiabilitiesFairValueDisclosureAbstract", "presentation": { "http://www.hpe.com/role/FairValueScheduleofAssetsandLiabilitiesonaRecurringBasisDetails": { "lang": { "en-us": { "role": { "terseLabel": "Liabilities", "label": "Liabilities, Fair Value Disclosure [Abstract]", "documentation": "Liabilities" } } } } , "auth_ref": { } } , "us-gaap_LiabilitiesOfDisposalGroupIncludingDiscontinuedOperation": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LiabilitiesOfDisposalGroupIncludingDiscontinuedOperation", "crdr": "credit", "calculation": { "http://www.hpe.com/role/ConsolidatedBalanceSheets": { "parentTag": "us-gaap_LiabilitiesCurrent", "weight": 1.0, "order": 8.0 } } , "presentation": { "http://www.hpe.com/role/ConsolidatedBalanceSheets": { "lang": { "en-us": { "role": { "terseLabel": "Liabilities held for sale", "label": "Disposal Group, Including Discontinued Operation, Liabilities", "documentation": "Amount classified as liabilities attributable to disposal group held for sale or disposed of." } } } } , "auth_ref": { "r4", "r144", "r145", "r203", "r345", "r346" } } , "us-gaap_LineOfCredit": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LineOfCredit", "crdr": "credit", "presentation": { "http://www.hpe.com/role/BorrowingsNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Borrowings outstanding", "label": "Long-Term Line of Credit", "documentation": "The carrying value as of the balance sheet date of the current and noncurrent portions of long-term obligations drawn from a line of credit, which is a bank's commitment to make loans up to a specific amount. Examples of items that might be included in the application of this element may consist of letters of credit, standby letters of credit, and revolving credit arrangements, under which borrowings can be made up to a maximum amount as of any point in time conditional on satisfaction of specified terms before, as of and after the date of drawdowns on the line. Includes short-term obligations that would normally be classified as current liabilities but for which (a) postbalance sheet date issuance of a long-term obligation to refinance the short-term obligation on a long-term basis, or (b) the enterprise has entered into a financing agreement that clearly permits the enterprise to refinance the short-term obligation on a long-term basis and the following conditions are met: (1) the agreement does not expire within 1 year and is not cancelable by the lender except for violation of an objectively determinable provision, (2) no violation exists at the BS date, and (3) the lender has entered into the financing agreement is expected to be financially capable of honoring the agreement." } } } } , "auth_ref": { "r42", "r243", "r1912" } } , "us-gaap_LineOfCreditFacilityCurrentBorrowingCapacity": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LineOfCreditFacilityCurrentBorrowingCapacity", "crdr": "credit", "presentation": { "http://www.hpe.com/role/BorrowingsNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Amount available under credit facility", "label": "Line of Credit Facility, Current Borrowing Capacity", "documentation": "Amount of current borrowing capacity under the credit facility considering any current restrictions on the amount that could be borrowed (for example, borrowings may be limited by the amount of current assets), but without considering any amounts currently outstanding under the facility." } } } } , "auth_ref": { "r148", "r153" } } , "us-gaap_LineOfCreditFacilityMaximumBorrowingCapacity": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LineOfCreditFacilityMaximumBorrowingCapacity", "crdr": "credit", "presentation": { "http://www.hpe.com/role/BorrowingsNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Maximum borrowing capacity under credit facility", "label": "Line of Credit Facility, Maximum Borrowing Capacity", "documentation": "Maximum borrowing capacity under the credit facility without consideration of any current restrictions on the amount that could be borrowed or the amounts currently outstanding under the facility." } } } } , "auth_ref": { "r148", "r153" } } , "us-gaap_LineOfCreditMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LineOfCreditMember", "presentation": { "http://www.hpe.com/role/BorrowingsNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Line of Credit", "label": "Line of Credit [Member]", "documentation": "A contractual arrangement with a lender under which borrowings can be made up to a specific amount at any point in time, and under which borrowings outstanding may be either short-term or long-term, depending upon the particulars." } } } } , "auth_ref": { } } , "srt_LitigationCaseAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/srt/2024", "localname": "LitigationCaseAxis", "presentation": { "http://www.hpe.com/role/LitigationContingenciesandCommitmentsDetails": { "lang": { "en-us": { "role": { "terseLabel": "Litigation Case [Axis]", "label": "Litigation Case [Axis]", "documentation": "Information by type of judicial proceeding, alternative dispute resolution or claim." } } } } , "auth_ref": { } } , "srt_LitigationCaseTypeDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/srt/2024", "localname": "LitigationCaseTypeDomain", "presentation": { "http://www.hpe.com/role/LitigationContingenciesandCommitmentsDetails": { "lang": { "en-us": { "role": { "terseLabel": "Litigation Case [Domain]", "label": "Litigation Case [Domain]", "documentation": "Judicial proceeding, alternative dispute resolution or claim. For example, but not limited to, name of case, category of litigation, or other differentiating information." } } } } , "auth_ref": { } } , "hpe_LitigationMattersAndOtherContingenciesMember": { "xbrltype": "domainItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "LitigationMattersAndOtherContingenciesMember", "presentation": { "http://www.hpe.com/role/GuaranteesandIndemnificationsIndemnifiedLitigationmattersandOtherContingenciesDetails": { "lang": { "en-us": { "role": { "terseLabel": "Litigation Matters and Other Contingencies", "label": "Litigation Matters and Other Contingencies [Member]", "documentation": "Litigation Matters and Other Contingencies" } } } } , "auth_ref": { } } , "dei_LocalPhoneNumber": { "xbrltype": "normalizedStringItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "LocalPhoneNumber", "presentation": { "http://www.hpe.com/role/CoverPage": { "lang": { "en-us": { "role": { "terseLabel": "Local Phone Number", "label": "Local Phone Number", "documentation": "Local phone number for entity." } } } } , "auth_ref": { } } , "us-gaap_LongTermDebt": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LongTermDebt", "crdr": "credit", "calculation": { "http://www.hpe.com/role/BorrowingsFutureMaturitiesofLongTermDebtDetails": { "parentTag": null, "weight": null, "order": null, "root": true } } , "presentation": { "http://www.hpe.com/role/BorrowingsFutureMaturitiesofLongTermDebtDetails": { "lang": { "en-us": { "role": { "totalLabel": "Total", "label": "Long-Term Debt", "documentation": "Amount, after deduction of unamortized premium (discount) and debt issuance cost, of long-term debt. Excludes lease obligation." } } } } , "auth_ref": { "r42", "r243", "r699", "r714", "r1422", "r1423", "r1460", "r1912" } } , "us-gaap_LongTermDebtAndCapitalLeaseObligations": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LongTermDebtAndCapitalLeaseObligations", "crdr": "credit", "calculation": { "http://www.hpe.com/role/ConsolidatedBalanceSheets": { "parentTag": "us-gaap_LiabilitiesAndStockholdersEquity", "weight": 1.0, "order": 2.0 } } , "http://www.hpe.com/role/BorrowingsLongTermDebtDetails": { "parentTag": null, "weight": null, "order": null, "root": true } } , "presentation": { "http://www.hpe.com/role/BorrowingsLongTermDebtDetails": { "http://www.hpe.com/role/ConsolidatedBalanceSheets": { "lang": { "en-us": { "role": { "terseLabel": "Long-term debt", "totalLabel": "Total long-term debt", "label": "Long-Term Debt and Lease Obligation", "documentation": "Amount of long-term debt and lease obligation, classified as noncurrent." } } } } , "auth_ref": { "r42", "r131" } } , "us-gaap_LongTermDebtAndCapitalLeaseObligationsCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LongTermDebtAndCapitalLeaseObligationsCurrent", "crdr": "credit", "calculation": { "http://www.hpe.com/role/BorrowingsLongTermDebtDetails": { "parentTag": "us-gaap_LongTermDebtAndCapitalLeaseObligations", "weight": 1.0, "order": 3.0 } } , "presentation": { "http://www.hpe.com/role/BorrowingsLongTermDebtDetails": { "lang": { "en-us": { "role": { "negatedLabel": "Less: current portion", "label": "Long-Term Debt and Lease Obligation, Current", "documentation": "Amount of long-term debt and lease obligation, classified as current." } } } } , "auth_ref": { "r150" } } , "hpe_LongTermDebtAndLeaseObligationMember": { "xbrltype": "domainItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "LongTermDebtAndLeaseObligationMember", "presentation": { "http://www.hpe.com/role/FinancialInstrumentsAmountsRecordedIntheBalanceSheetsDetails": { "lang": { "en-us": { "role": { "terseLabel": "Long-term debt", "label": "Long-term Debt and Lease Obligation [Member]", "documentation": "Long-term Debt and Lease Obligation" } } } } , "auth_ref": { } } , "us-gaap_LongTermDebtCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LongTermDebtCurrent", "crdr": "credit", "calculation": { "http://www.hpe.com/role/BorrowingsNotesPayableandShortTermBorrowingsDetails": { "parentTag": "us-gaap_ShortTermBorrowings", "weight": 1.0, "order": 1.0 } } , "presentation": { "http://www.hpe.com/role/BorrowingsNotesPayableandShortTermBorrowingsDetails": { "lang": { "en-us": { "role": { "terseLabel": "Current portion of long-term debt", "label": "Long-Term Debt, Current Maturities", "documentation": "Amount, after deduction of unamortized premium (discount) and debt issuance cost, of long-term debt classified as current. Excludes lease obligation." } } } } , "auth_ref": { "r357" } } , "us-gaap_LongTermDebtMaturitiesRepaymentsOfPrincipalAfterYearFive": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LongTermDebtMaturitiesRepaymentsOfPrincipalAfterYearFive", "crdr": "credit", "calculation": { "http://www.hpe.com/role/BorrowingsFutureMaturitiesofLongTermDebtDetails": { "parentTag": "us-gaap_LongTermDebt", "weight": 1.0, "order": 6.0 } } , "presentation": { "http://www.hpe.com/role/BorrowingsFutureMaturitiesofLongTermDebtDetails": { "lang": { "en-us": { "role": { "terseLabel": "Thereafter", "label": "Long-Term Debt, Maturity, after Year Five", "documentation": "Amount of long-term debt payable, sinking fund requirement, and other securities issued that are redeemable by holder at fixed or

determinable price and date, maturing after fifth fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)." } } }, "auth_ref": { "r21": "r416", "r416": "r1748" } }, "us-gaap_LossContingencyAdeAComplaintAgeOfTerminatedEmployee": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LongTermDebtMaturitiesRepaymentsOfPrincipalInNextTwelveMonths", "crdr": "credit", "calculation": { "parentTag": "us-gaap_LossContingencyAdeAComplaintAgeOfTerminatedEmployee", "weight": 1.0, "order": 1.0 } }, "presentation": { "http://www.hpe.com/role/BorrowingsFutureMaturitiesofLongTermDebtDetails": { "lang": { "en-us": { "role": { "terseLabel": "2025", "label": "Long-Term Debt, Maturity, Year One", "documentation": "Amount of long-term debt payable, sinking fund requirement, and other securities issued that are redeemable by holder at fixed or determinable price and date, maturing in next fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)." } } }, "auth_ref": { "r21": "r416", "r704" } }, "us-gaap_LossContingencyAdeAComplaintAgeOfTerminatedEmployee": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LongTermDebtMaturitiesRepaymentsOfPrincipalInYearFive", "crdr": "credit", "calculation": { "parentTag": "us-gaap_LossContingencyAdeAComplaintAgeOfTerminatedEmployee", "weight": 1.0, "order": 5.0 } }, "presentation": { "http://www.hpe.com/role/BorrowingsFutureMaturitiesofLongTermDebtDetails": { "lang": { "en-us": { "role": { "terseLabel": "2029", "label": "Long-Term Debt, Maturity, Year Five", "documentation": "Amount of long-term debt payable, sinking fund requirement, and other securities issued that are redeemable by holder at fixed or determinable price and date, maturing in fifth fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)." } } }, "auth_ref": { "r21": "r416", "r704" } }, "us-gaap_LossContingencyAdeAComplaintAgeOfTerminatedEmployee": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LongTermDebtMaturitiesRepaymentsOfPrincipalInYearFour", "crdr": "credit", "calculation": { "parentTag": "us-gaap_LossContingencyAdeAComplaintAgeOfTerminatedEmployee", "weight": 1.0, "order": 4.0 } }, "presentation": { "http://www.hpe.com/role/BorrowingsFutureMaturitiesofLongTermDebtDetails": { "lang": { "en-us": { "role": { "terseLabel": "2028", "label": "Long-Term Debt, Maturity, Year Four", "documentation": "Amount of long-term debt payable, sinking fund requirement, and other securities issued that are redeemable by holder at fixed or determinable price and date, maturing in fourth fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)." } } }, "auth_ref": { "r21": "r416", "r704" } }, "us-gaap_LossContingencyAdeAComplaintAgeOfTerminatedEmployee": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LongTermDebtMaturitiesRepaymentsOfPrincipalInYearThree", "crdr": "credit", "calculation": { "parentTag": "us-gaap_LossContingencyAdeAComplaintAgeOfTerminatedEmployee", "weight": 1.0, "order": 3.0 } }, "presentation": { "http://www.hpe.com/role/BorrowingsFutureMaturitiesofLongTermDebtDetails": { "lang": { "en-us": { "role": { "terseLabel": "2027", "label": "Long-Term Debt, Maturity, Year Three", "documentation": "Amount of long-term debt payable, sinking fund requirement, and other securities issued that are redeemable by holder at fixed or determinable price and date, maturing in third fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)." } } }, "auth_ref": { "r21": "r416", "r704" } }, "us-gaap_LossContingencyAdeAComplaintAgeOfTerminatedEmployee": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LongTermDebtMaturitiesRepaymentsOfPrincipalInYearTwo", "crdr": "credit", "calculation": { "parentTag": "us-gaap_LossContingencyAdeAComplaintAgeOfTerminatedEmployee", "weight": 1.0, "order": 2.0 } }, "presentation": { "http://www.hpe.com/role/BorrowingsFutureMaturitiesofLongTermDebtDetails": { "lang": { "en-us": { "role": { "terseLabel": "2026", "label": "Long-Term Debt, Maturity, Year Two", "documentation": "Amount of long-term debt payable, sinking fund requirement, and other securities issued that are redeemable by holder at fixed or determinable price and date, maturing in second fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)." } } }, "auth_ref": { "r21": "r416", "r704" } }, "us-gaap_LossContingencyAdeAComplaintAgeOfTerminatedEmployee": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LongTermDebtTypeAxis", "presentation": { "http://www.hpe.com/role/BorrowingsLongTermDebtDetails": { "lang": { "en-us": { "role": { "terseLabel": "Long-term Debt, Type {Axis}", "label": "Long-Term Debt, Type {Axis}", "documentation": "Information by type of long-term debt." } } }, "auth_ref": { "r42": "r1721", "r1722", "r1723" } }, "us-gaap_LossContingencyAdeAComplaintAgeOfTerminatedEmployee": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LongTermDebtTypeDomain", "presentation": { "http://www.hpe.com/role/BorrowingsLongTermDebtDetails": { "lang": { "en-us": { "role": { "terseLabel": "Long-term Debt, Type {Domain}", "label": "Long-Term Debt, Type {Domain}", "documentation": "Type of long-term debt arrangement, such as notes, line of credit, commercial paper, asset-based financing, project financing, letter of credit financing. These are debt arrangements that originally required repayment more than twelve months after issuance or greater than the normal operating cycle of the company, if longer." } } }, "auth_ref": { "r42": "r1721", "r1722", "r1723" } }, "us-gaap_LossContingencyAdeAComplaintAgeOfTerminatedEmployee": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LossContingenciesByNatureOfContingencyAxis", "presentation": { "http://www.hpe.com/role/LitigationContingenciesandCommitmentsDetails": { "lang": { "en-us": { "role": { "terseLabel": "Loss Contingency Nature {Axis}", "label": "Loss Contingency Nature {Axis}", "documentation": "Information by type of existing condition, situation, or set of circumstances involving uncertainty as to possible loss to an enterprise that will ultimately be resolved when one or more future events occur or fail to occur." } } }, "auth_ref": { "r651": "r652", "r653", "r657", "r875", "r1181", "r1420", "r1730", "r1732" } }, "us-gaap_LossContingencyAdeAComplaintAgeOfTerminatedEmployee": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LossContingenciesLineItems", "presentation": { "http://www.hpe.com/role/LitigationContingenciesandCommitmentsDetails": { "lang": { "en-us": { "role": { "terseLabel": "Litigation and Contingencies", "label": "Loss Contingencies {Line Items}", "documentation": "Line items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table." } } }, "auth_ref": { "r651": "r652", "r653", "r657", "r875", "r1181", "r1420", "r1730", "r1732" } }, "us-gaap_LossContingencyAdeAComplaintAgeOfTerminatedEmployee": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LossContingenciesTable", "presentation": { "http://www.hpe.com/role/LitigationContingenciesandCommitmentsDetails": { "lang": { "en-us": { "role": { "terseLabel": "Loss Contingencies {Table}", "label": "Loss Contingencies {Table}", "documentation": "Disclosure of information about loss contingency. Excludes environmental contingency, warranty, and unconditional purchase obligation." } } }, "auth_ref": { "r651": "r652", "r653", "r657", "r875", "r1181", "r1420", "r1730", "r1732" } }, "us-gaap_LossContingencyAdeAComplaintAgeOfTerminatedEmployee": { "xbrltype": "durationItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "LossContingencyAdeAComplaintAgeOfTerminatedEmployee", "presentation": { "http://www.hpe.com/role/LitigationContingenciesandCommitmentsDetails": { "lang": { "en-us": { "role": { "terseLabel": "Age of terminated employees", "label": "Loss Contingency, ADEA Complaint, Age of Terminated Employee", "documentation": "Loss Contingency, ADEA Complaint, Age of Terminated Employee" } } }, "auth_ref": { "r1": "r1729", "r1730", "r1732" } }, "us-gaap_LossContingencyAdeAComplaintAgeOfTerminatedEmployee": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LossContingencyAbstract", "presentation": { "http://www.hpe.com/role/LitigationContingenciesandCommitmentsDetails": { "lang": { "en-us": { "role": { "terseLabel": "Damages sought", "label": "Loss Contingency, Damages Sought, Value", "documentation": "The value (monetary amount) of the award the plaintiff seeks in the legal matter." } } }, "auth_ref": { "r1729": "r1730", "r1732" } }, "us-gaap_LossContingencyAdeAComplaintAgeOfTerminatedEmployee": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LossContingencyNatureDomain", "presentation": { "http://www.hpe.com/role/LitigationContingenciesandCommitmentsDetails": { "lang": { "en-us": { "role": { "terseLabel": "Loss Contingency Nature {Domain}", "label": "Loss Contingency Nature {Domain}", "documentation": "An existing condition, situation, or set of circumstances involving uncertainty as to possible loss to an enterprise that will ultimately be resolved when one or more future events occur or fail to occur. Resolution of the uncertainty may confirm the incurrence of a loss or impairment of an asset or the incurrence of a liability." } } }, "auth_ref": { "r651": "r652", "r653", "r657", "r875", "r1181", "r1420", "r1730", "r1732" } }, "us-gaap_LossContingencyAdeAComplaintAgeOfTerminatedEmployee": { "xbrltype": "integerItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LossContingencyPatentsAllegedlyInfringedNumber", "presentation": { "http://www.hpe.com/role/LitigationContingenciesandCommitmentsDetails": { "lang": { "en-us": { "role": { "terseLabel": "Number of patents allegedly infringed", "label": "Loss Contingency, Patents Allegedly Infringed, Number", "documentation": "Number of another entity's patents that the entity has allegedly infringed." } } }, "auth_ref": { "r1730": "r1732" } }, "us-gaap_MachineryAndEquipmentMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "MachineryAndEquipmentMember", "presentation": { "http://www.hpe.com/role/BalanceSheetDetailsPropertyPlantandEquipmentDetails": { "lang": { "en-us": { "role": { "terseLabel": "Machinery and equipment, including equipment held for lease", "label": "Machinery and Equipment {Member}", "documentation": "Tangible personal property used to produce goods and services, including, but is not limited to, tools, dies and molds, computer and office equipment." } } }, "auth_ref": { "r1": "r1730", "r1732" } }, "us-gaap_MachineryAndEquipmentMember": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/srt/2024", "localname": "MajorCustomersAxis", "presentation": { "http://www.hpe.com/role/SegmentInformationNarrativeDetail": { "lang": { "en-us": { "role": { "terseLabel": "Customer {Axis}", "label": "Customer {Axis}", "documentation": "Information by name or description of a single external customer or a group of external customers." } } }, "auth_ref": { "r503": "r1429", "r1473", "r1478", "r1752", "r1915", "r1919", "r1920", "r1923", "r1924", "r1925", "r1926", "r1927", "r1928", "r1929", "r1930", "r1931", "r1932", "r1933", "r1934", "r1935", "r1936", "r1937", "r1938", "r1939", "r1940", "r1941", "r1942", "r1943", "r1944", "r1946", "r1947" } }, "us-gaap_MarketableSecuritiesPolicy": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "MarketableSecuritiesPolicy", "presentation": { "http://www.hpe.com/role/OverviewandSummaryofSignificantAccountingPoliciesPolicies": { "lang": { "en-us": { "role": { "terseLabel": "Debt Securities Investments", "label": "Marketable Securities, Policy {Policy Text Block}", "documentation": "Disclosure of accounting policy for investment classified as marketable security." } } }, "auth_ref": { "r141": "r142", "r143", "r144", "r145", "r146", "r147", "r148", "r149", "r150", "r151", "r152", "r153", "r154", "r155", "r156", "r157", "r158", "r159", "r160", "r161", "r162", "r163", "r164", "r165", "r166", "r167", "r168", "r169", "r170", "r171", "r172", "r173", "r174", "r175", "r176", "r177", "r178", "r179", "r180", "r181", "r182", "r183", "r184", "r185", "r186", "r187", "r188", "r189", "r190", "r191", "r192", "r193", "r194", "r195", "r196", "r197", "r198", "r199", "r200", "r201", "r202", "r203", "r204", "r205", "r206", "r207", "r208", "r209", "r210", "r211", "r212", "r213", "r214", "r215", "r216", "r217", "r218", "r219", "r220", "r221", "r222", "r223", "r224", "r225", "r226", "r227", "r228", "r229", "r230", "r231", "r232", "r233", "r234", "r235", "r236", "r237", "r238", "r239", "r240", "r241", "r242", "r243", "r244", "r245", "r246", "r247", "r248", "r249", "r250", "r251", "r252", "r253", "r254", "r255", "r256", "r257", "r258", "r259", "r260", "r261", "r262", "r263", "r264", "r265", "r266", "r267", "r268", "r269", "r270", "r271", "r272", "r273", "r274", "r275", "r276", "r277", "r278", "r279", "r280", "r281", "r282", "r283", "r284", "r285", "r286", "r287", "r288", "r289", "r290", "r291", "r292", "r293", "r294", "r295", "r296", "r297", "r298", "r299", "r300", "r301", "r302", "r303", "r304", "r305", "r306", "r307", "r308", "r309", "r310", "r311", "r312", "r313", "r314", "r315", "r316", "r317", "r318", "r319", "r320", "r321", "r322", "r323", "r324", "r325", "r326", "r327", "r328", "r329", "r330", "r331", "r332", "r333", "r334", "r335", "r336", "r337", "r338", "r339", "r340", "r341", "r342", "r343", "r344", "r345", "r346", "r347", "r348", "r349", "r350", "r351", "r352", "r353", "r354", "r355", "r356", "r357", "r358", "r359", "r360", "r361", "r362", "r363", "r364", "r365", "r366", "r367", "r368", "r369", "r370", "r371", "r372", "r373", "r374", "r375", "r376", "r377", "r378", "r379", "r380", "r381", "r382", "r383", "r384", "r385", "r386", "r387", "r388", "r389", "r390", "r391", "r392", "r393", "r394", "r395", "r396", "r397", "r398", "r399", "r400", "r401", "r402", "r403", "r404", "r405", "r406", "r407", "r408", "r409", "r410", "r411", "r412", "r413", "r414", "r415", "r416", "r417", "r418", "r419", "r420", "r421", "r422", "r423", "r424", "r425", "r426", "r427", "r428", "r429", "r430", "r431", "r432", "r433", "r434", "r435", "r436", "r437", "r438", "r439", "r440", "r441", "r442", "r443", "r444", "r445", "r446", "r447", "r448", "r449", "r450", "r451", "r452", "r453", "r454", "r455", "r456", "r457", "r458", "r459", "r460", "r461", "r462", "r463", "r464", "r465", "r466", "r467", "r468", "r469", "r470", "r471", "r472", "r473", "r474", "r475", "r476", "r477", "r478", "r479", "r480", "r481", "r482", "r483", "r484", "r485", "r486", "r487", "r488", "r489", "r490", "r491", "r492", "r493", "r494", "r495", "r496", "r497", "r498", "r499", "r500", "r501", "r502", "r503", "r504", "r505", "r506", "r507", "r508", "r509", "r510", "r511", "r512", "r513", "r514", "r515", "r516", "r517", "r518", "r519", "r520", "r521", "r522", "r523", "r524", "r525", "r526", "r527", "r528", "r529", "r530", "r531", "r532", "r533", "r534", "r535", "r536", "r537", "r538", "r539", "r540", "r541", "r542", "r543", "r544", "r545", "r546", "r547", "r548", "r549", "r550", "r551", "r552", "r553", "r554", "r555", "r556", "r557", "r558", "r559", "r560", "r561", "r562", "r563", "r564", "r565", "r566", "r567", "r568", "r569", "r570", "r571", "r572", "r573", "r574", "r575", "r576", "r577", "r578", "r579", "r580", "r581", "r582", "r583", "r584", "r585", "r586", "r587", "r588", "r589", "r590", "r591", "r592", "r593", "r594", "r595", "r596", "r597", "r598", "r599", "r600", "r601", "r602", "r603", "r604", "r605", "r606", "r607", "r608", "r609", "r610", "r611", "r612", "r613", "r614", "r615", "r616", "r617", "r618", "r619", "r620", "r621", "r622", "r623", "r624", "r625", "r626", "r627", "r628", "r629", "r630", "r631", "r632", "r633", "r634", "r635", "r636", "r637", "r638", "r639", "r640", "r641", "r642", "r643", "r644", "r645", "r646", "r647", "r648", "r649", "r650", "r651", "r652", "r653", "r654", "r655", "r656", "r657", "r658", "r659", "r660", "r661", "r662", "r663", "r664", "r665", "r666", "r667", "r668", "r669", "r670", "r671", "r672", "r673", "r674", "r675", "r676", "r677", "r678", "r679", "r680", "r681", "r682", "r683", "r684", "r685", "r686", "r687", "r688", "r689", "r690", "r691", "r692", "r693", "r694", "r695", "r696", "r697", "r698", "r699", "r700", "r701", "r702", "r703", "r704", "r705", "r706", "r707", "r708", "r709", "r710", "r711", "r712", "r713", "r714", "r715", "r716", "r717", "r718", "r719", "r720", "r721", "r722", "r723", "r724", "r725", "r726", "r727", "r728", "r729", "r730", "r731", "r732", "r733", "r734", "r735", "r736", "r737", "r738", "r739", "r740", "r741", "r742", "r743", "r744", "r745", "r746", "r747", "r748", "r749", "r750", "r751", "r752", "r753", "r754", "r755", "r756", "r757", "r758", "r759", "r760", "r761", "r762", "r763", "r764", "r765", "r766", "r767", "r768", "r769", "r770", "r771", "r772", "r773", "r774", "r775", "r776", "r777", "r778", "r779", "r780", "r781", "r782", "r783", "r784", "r785", "r786", "r787", "r788", "r789", "r790", "r791", "r792", "r793", "r794", "r795", "r796", "r797", "r798", "r799", "r800", "r801", "r802", "r803", "r804", "r805", "r806", "r807", "r808", "r809", "r810", "r811", "r812", "r813", "r814", "r815", "r816", "r817", "r818", "r819", "r820", "r821", "r822", "r823", "r824", "r825", "r826", "r827", "r828", "r829", "r830", "r831", "r832", "r833", "r834", "r835", "r836", "r837", "r838", "r839", "r840", "r841", "r842", "r843", "r844", "r845", "r846", "r847", "r848", "r849", "r850", "r851", "r852", "r853", "r854", "r855", "r856", "r857", "r858", "r859", "r860", "r861", "r862", "r863", "r864", "r865", "r866", "r867", "r868", "r869", "r870", "r871", "r872", "r873", "r874", "r875", "r876", "r877", "r878", "r879", "r880", "r881", "r882", "r883", "r884", "r885", "r886", "r887", "r888", "r889", "r890", "r891", "r892", "r893", "r894", "r895", "r896", "r897", "r898", "r899", "r900", "r901", "r902", "r903", "r904", "r905", "r906", "r907", "r908", "r909", "r910", "r911", "r912", "r913", "r914", "r915", "r916", "r917", "r918", "r919", "r920", "r921", "r922", "r923", "r924", "r925", "r926", "r927", "r928", "r929", "r930", "r931", "r932", "r933", "r934", "r935", "r936", "r937", "r938", "r939", "r940", "r941", "r942", "r943", "r944", "r945", "r946", "r947", "r948", "r949", "r950", "r951", "r952", "r953", "r954", "r955", "r956", "r957", "r958", "r959", "r960", "r961", "r962", "r963", "r964", "r965", "r966", "r967", "r968", "r969", "r970", "r971", "r972", "r973", "r974", "r975", "r976", "r977", "r978", "r979", "r980", "r981", "r982", "r983", "r984", "r985", "r986", "r987", "r988", "r989", "r990", "r991", "r992", "r993", "r994", "r995", "r996", "r997", "r998", "r999", "r1000", "r1001", "r1002", "r1003", "r1004", "r1005", "r1006", "r1007", "r1008", "r1009", "r1010", "r1011", "r1012", "r1013", "r1014", "r1015", "r1016", "r1017", "r1018", "r1019", "r1020", "r1021", "r1022", "r1023", "r1024", "r1025", "r1026", "r1027", "r1028", "r1029", "r1030", "r1031", "r1032", "r1033", "r1034", "r1035", "r1036", "r1037", "r1038", "r1039", "r1040", "r1041", "r1042", "r1043", "r1044", "r1045", "r1046", "r1047", "r1048", "r1049", "r1050", "r1051", "r1052", "r1053", "r1054", "r1055", "r1056", "r1057", "r1058", "r1059", "r1060", "r1061", "r1062", "r1063", "r1064", "r1065", "r1066", "r1067", "r1068", "r1069", "r1070", "r1071", "r1072", "r1073", "r1074", "r1075", "r1076", "r1077", "r1078", "r1079", "r1080", "r1081", "r1082", "r1083", "r1084", "r1085", "r1086", "r1087", "r1088", "r1089", "r1090", "r1091", "r1092", "r1093", "r1094", "r1095", "r1096", "r1097", "r1098", "r1099", "r1100", "r1101", "r1102", "r1103", "r1104", "r1105", "r1106", "r1107", "r1108", "r1109", "r1110", "r1111", "r1112", "r1113", "r1114", "r1115", "r1116", "r1117", "r1118", "r1119", "r1120", "r1121", "r1122", "r1123", "r1124", "r1125", "r1126", "r1127", "r1128", "r1129", "r1130", "r1131", "r1132", "r1133", "r1134", "r1135", "r1136", "r1137", "r1138", "r1139", "r1140", "r1141", "r1142", "r1143", "r1144", "r1145", "r1146", "r1147", "r1148", "r1149", "r1150", "r1151", "r1152", "r1153", "r1154", "r1155", "r1156", "r1157", "r1158", "r1159", "r1160", "r1161", "r1162", "r1163", "r1164", "r1165", "r1166", "r1167", "r1168", "r1169", "r1170", "r1171", "r1172", "r1173", "r1174", "r1175", "r1176", "r1177", "r1178", "r1179", "r1180", "r1181", "r1182", "r1183", "r1184", "r1185", "r1186", "r1187", "r1188", "r1189", "r1190", "r1191", "r1192", "r1193", "r1194", "r1195", "r1196", "r1197", "r1198", "r1199", "r1200", "r1201", "r1202", "r1203", "r1204", "r1205", "r1206", "r1207", "r1208", "r1209", "r1210", "r1211", "r1212", "r1213", "r1214", "r1215", "r1216", "r1217", "r1218", "r1219", "r1220", "r1221", "r1222", "r1223", "r1224", "r1225", "r1226", "r1227", "r1228", "r1229", "r1230", "r1231", "r1232", "r1233", "r1234", "r1235", "r1236", "r1237", "r1238", "r1239", "r1240", "r1241", "r1242", "r1243", "r1244", "r1245", "r1246", "r1247", "r1248", "r1249", "r1250", "r1251", "r1252", "r1253", "r1254", "r1255", "r1256", "r1257", "r1258", "r1259", "r1260", "r1261", "r1262", "r1263", "r1264", "r1265", "r1266", "r1267", "r1268", "r1269", "r1270", "r1271", "r1272", "r1273", "r1274", "r1275", "r1276", "r1277", "r1278", "r1279", "r1280", "r1281", "r1282", "r1283", "r1284", "r1285", "r1286", "r1287", "r1288", "r1289", "r1290", "r1291", "r1292", "r1293", "r1294", "r1295", "r1296", "r1297", "r1298", "r1299", "r1300", "r1301", "r1302", "r1303", "r1304", "r1305", "r1306", "r1307", "r1308", "r1309", "r1310", "r1311", "r1312", "r1313", "r1314", "r1315", "r1316", "r1317", "r1318", "r1319", "r1320", "r1321", "r1322", "r1323", "r1324", "r1325", "r1326", "r1327", "r1328", "r1329", "r1330", "r1331", "r1332", "r1333", "r1334", "r1335", "r1336", "r1337", "r1338", "r1339", "r1340", "r1341", "r1342", "r1343", "r1344", "r1345", "r1346", "r1347", "r1348", "r1349", "r1350", "r1351", "r1352", "r1353", "r1354", "r1355", "r1356", "r1357", "r1358", "r1359", "r1360", "r1361", "r1362", "r1363", "r1364", "r1365", "r1366", "r1367", "r1368", "r1369", "r1370", "r1371", "r1372", "r1373", "r1374", "r1375", "r1376", "r1377", "r1378", "r1379", "r1380", "r1381", "r1382", "r1383", "r1384", "r1385", "r1386", "r1387", "r1388", "r1389", "r1390", "r1391", "r1392", "r1393", "r1394", "r1395", "r1396", "r1397", "r1398", "r1399", "r1400", "r1401", "r1402", "r1403", "r1404", "r1405", "r1406", "r1407", "r1408", "r1409", "r1410", "r1411", "r1412", "r1413", "r1414", "r1415", "r1416", "r1417", "r1418", "r1419", "r1420", "r1421", "r1422", "r1423", "r1424", "r1425", "r1426", "r1427", "r1428", "r1429", "r1430", "r1431", "r1432", "r1433", "r1434", "r1435", "r1436", "r1437", "r1438", "r1439", "r1440", "r1441", "r1

[illegible]

```

http://www.hpe.com/role/ConsolidatedStatementsOfEarnings-1-?{"parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": {
http://www.hpe.com/role/ConsolidatedStatementsOfEarnings-1-?{"parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": {
earnings attributable to HPE": {"verboseLabel": "Net earnings - Diluted", "label": "Net Income (Loss) Available to Common Stockholders, Diluted", "documentation": "Amount,
after deduction of tax, noncontrolling interests, dividends on preferred stock and participating securities, and addition from assumption of issuance of common shares for
dilutive potential common shares, of income (loss) available to common shareholders." } }, "auth_ref": { "r397", "r434", "r440", "r441", "r442", "r443", "r447", "r450" } }, "us-
gaap NetInvestmentHedgingMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "NetInvestmentHedgingMember", "presentation": {
http://www.hpe.com/role/FinancialInstrumentsGrossNotionalandFairValueofInstrumentsintheBalanceSheetsDetails-1-?{"parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": {
Investment Hedging [Member]": {"label": "Net Investment Hedging [Member]", "documentation": "Hedges of a net investment in a foreign operation." } }, "auth_ref": {
"r118" } }, "us-gaap NewAccountingPronouncementsPolicyPolicyTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname":
"NewAccountingPronouncementsPolicyPolicyTextBlock", "presentation": { "http://www.hpe.com/role/OverviewandSummaryofSignificantAccountingPoliciesPolicies-1-?{"parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": {
"en-us": { "role": { "terseLabel": "Recently Enacted Accounting Pronouncements", "label": "New Accounting Pronouncements, Policy [Policy Text Block]", "documentation":
"Disclosure of accounting policy pertaining to new accounting pronouncements that may impact the entity's financial reporting. Includes, but is not limited to, quantification
of the expected or actual impact." } }, "auth_ref": { "r118" } }, "ecd NonGaapMeasureDescriptionTextBlock": { "xbrltype": "textBlockItemType", "nsuri":
http://xbrl.sec.gov/ecd/2024", "localname": "NonGaapMeasureDescriptionTextBlock", "presentation": { "http://xbrl.sec.gov/ecd/role/PvpDisclosure-1-?{"parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": {
"role": { "terseLabel": "Non-GAAP Measure Description", "label": "Non-GAAP Measure Description [Text Block]", "documentation": "Non-GAAP Measure Description", "auth_ref": { "r1548" } }, "ecd NonNeosMember": {
"xbrltype": "domainItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "NonNeosMember", "presentation": { "http://xbrl.sec.gov/ecd/role/ErrCompDisclosure-1-?{"parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": {
"lang": { "en-us": { "role": { "terseLabel": "Non-NEOs", "label": "Non-NEOs [Member]", "documentation": "Non-NEOs", "auth_ref": { "r1511", "r1522", "r1532", "r1556" } }, "ecd NonPeoNeoAvgCompActuallyPaidAmt": {
"xbrltype": "monetaryItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "NonPeoNeoAvgCompActuallyPaidAmt", "presentation": { "http://xbrl.sec.gov/ecd/role/PvpDisclosure-1-?{"parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": {
"presentation": { "http://xbrl.sec.gov/ecd/role/PvpDisclosure-1-?{"parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": {
"lang": { "en-us": { "role": { "terseLabel": "Non-PEO NEO Average Compensation Actually Paid Amount", "label": "Non-PEO NEO Average Compensation Actually Paid Amount",
"documentation": "Non-PEO NEO Average Compensation Actually Paid Amount", "auth_ref": { "r1539" } }, "ecd NonPeoNeoAvgTotalCompAmt": { "xbrltype": "monetaryItemType",
"nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "NonPeoNeoAvgTotalCompAmt", "presentation": { "http://xbrl.sec.gov/ecd/role/PvpDisclosure-1-?{"parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": {
"role": { "terseLabel": "Non-PEO NEO Average Total Compensation Amount", "label": "Non-PEO NEO Average Total Compensation Amount", "documentation": "Non-PEO NEO Average Total Compensation Amount", "auth_ref": { "r1538" } },
"ecd NonPeoNeoMember": { "xbrltype": "domainItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "NonPeoNeoMember", "presentation": {
http://xbrl.sec.gov/ecd/role/PvpDisclosure-1-?{"parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": {
"lang": { "en-us": { "role": { "terseLabel": "Non-PEO NEO", "label": "Non-PEO NEO [Member]", "documentation": "Non-PEO NEO", "auth_ref": { "r1556" } }, "ecd NonRule10b51ArrAdoptedFlag": {
"xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "NonRule10b51ArrAdoptedFlag", "presentation": { "http://xbrl.sec.gov/ecd/role/InsiderTradingArrangements-1-?{"parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": {
"presentation": { "http://xbrl.sec.gov/ecd/role/InsiderTradingArrangements-1-?{"parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": {
"lang": { "en-us": { "role": { "terseLabel": "Non-Rule 10b5-1 Arrangement Adopted", "label": "Non-Rule 10b5-1 Arrangement Adopted [Flag]", "documentation": "Non-Rule 10b5-1 Arrangement Adopted [Flag]", "auth_ref": { "r1576" } }, "ecd NonRule10b51ArrFrmtndFlag": {
"xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "NonRule10b51ArrFrmtndFlag", "presentation": { "http://xbrl.sec.gov/ecd/role/InsiderTradingArrangements-1-?{"parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": {
"presentation": { "http://xbrl.sec.gov/ecd/role/InsiderTradingArrangements-1-?{"parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": {
"lang": { "en-us": { "role": { "terseLabel": "Non-Rule 10b5-1 Arrangement Terminated", "label": "Non-Rule 10b5-1 Arrangement Terminated [Flag]", "documentation": "Non-Rule 10b5-1 Arrangement Terminated", "auth_ref": { "r1576" } }, "us-gaap NonUsMember": {
"xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "NonUsMember", "presentation": {
http://www.hpe.com/role/SegmentInformationRevenuebyGeographicRegionDetails-1-?{"parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": {
"presentation": { "http://www.hpe.com/role/SegmentInformationRevenuebyGeographicRegionDetails-1-?{"parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": {
"lang": { "en-us": { "role": { "terseLabel": "Other countries", "label": "Non-US [Member]", "documentation": "Countries excluding the United States of America (US).", "auth_ref": { "r1954", "r1956", "r1957", "r1958" } }, "us-
gaap NoncontrollingInterestMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "NoncontrollingInterestMember", "presentation": {
http://www.hpe.com/role/ConsolidatedStatementsOfStockholdersEquity-1-?{"parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": {
"presentation": { "http://www.hpe.com/role/ConsolidatedStatementsOfStockholdersEquity-1-?{"parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": {
"lang": { "en-us": { "role": { "terseLabel": "Non-controlling interests", "label": "Noncontrolling Interest [Member]", "documentation": "This element represents that portion of equity (net assets) in a subsidiary not attributable, directly or indirectly, to the parent. A
noncontrolling interest is sometimes called a minority interest." } }, "auth_ref": { "r105", "r734", "r1651", "r1652", "r1653", "r1654", "r1952" } }, "us-
gaap NondesignatedMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "NondesignatedMember", "presentation": {
http://www.hpe.com/role/FinancialInstrumentsGrossNotionalandFairValueofInstrumentsintheBalanceSheetsDetails-1-?{"parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": {
"presentation": { "http://www.hpe.com/role/FinancialInstrumentsGrossNotionalandFairValueofInstrumentsintheBalanceSheetsDetails-1-?{"parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": {
"lang": { "en-us": { "role": { "terseLabel": "Derivatives Not Designated as Hedging Instruments", "label": "Not Designated as Hedging Instrument [Member]", "documentation": "Derivative instrument not designated as hedging
instrument under Generally Accepted Accounting Principles (GAAP).", "auth_ref": { "r31" } }, "us-gaap NonoperatingIncomeExpenseMember": { "xbrltype":
"domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "NonoperatingIncomeExpenseMember", "presentation": {
http://www.hpe.com/role/FinancialInstrumentsPretaxEffectofDerivativeInstrumentsonStatementofEarningsDetails-1-?{"parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": {
"presentation": { "http://www.hpe.com/role/FinancialInstrumentsPretaxEffectofDerivativeInstrumentsonStatementofEarningsDetails-1-?{"parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": {
"lang": { "en-us": { "role": { "terseLabel": "Nonoperating Income (Expense) [Member]", "label": "Nonoperating Income (Expense) [Member]", "documentation": "Primary financial statement caption encompassing nonoperating
income (expense).", "auth_ref": { "r1594", "r1754", "r1755", "r1756", "r1757", "r1758", "r1759", "r1760", "r1761", "r1762", "r1763", "r1764", "r1765", "r1766", "r1767", "r1768", "r1769", "r1770", "r1771", "r1772", "r1773", "r1774", "r1775", "r1776", "r1777", "r1778", "r1779", "r1780", "r1781", "r1782", "r1783", "r1784", "r1785", "r1786", "r1787", "r1788", "r1789", "r1790", "r1791", "r1792", "r1793", "r1794", "r1795", "r1796", "r1797", "r1798", "r1799", "r1800", "r1801", "r1802", "r1803", "r1804", "r1805", "r1806", "r1807", "r1808", "r1809", "r1810", "r1811", "r1812", "r1813" } }, "us-gaap NonvestedRestrictedStockSharesActivityTableTextBlock": {
"xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "NonvestedRestrictedStockSharesActivityTableTextBlock", "presentation": {
http://www.hpe.com/role/StockBasedCompensationTables-1-?{"parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": {
"presentation": { "http://www.hpe.com/role/StockBasedCompensationTables-1-?{"parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": {
"lang": { "en-us": { "role": { "terseLabel": "Schedule of restricted stock award activity", "label": "Nonvested Restricted Stock Shares Activity [Table Text Block]", "documentation": "Tabular disclosure of the changes in outstanding nonvested restricted stock shares." } }, "auth_ref": {
"r37" } }, "us-gaap NotesAndLoansPayableCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname":
"NotesAndLoansPayableCurrent", "presentation": { "http://www.hpe.com/role/BorrowingsNotesPayableandShortTermBorrowingsDetails-1-?{"parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": {
"presentation": { "http://www.hpe.com/role/BorrowingsNotesPayableandShortTermBorrowingsDetails-1-?{"parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": {
"lang": { "en-us": { "role": { "terseLabel": "Notes payable to banks, lines of credit and other", "label": "Notes and Loans Payable, Current", "documentation": "Sum of the carrying values
as of the balance sheet date of the portions of all long-term notes and loans payable due within one year or the operating cycle if longer." } }, "auth_ref": { "r149", "r150" } }, "us-
gaap NotesAndLoansReceivableGrossNoncurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname":
"NotesAndLo
```


report separate financial information on that component in the entity's financial statements." } } }, "auth_ref": { "r1401", "r1411", "r1659" } } }, "us-gaap_NumberOfReportingUnits": { "xbrltype": "integerItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "NumberOfReportingUnits", "presentation": { "http://www.hpe.com/role/GoodwillandIntangibleAssetsNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Number of reporting units", "label": "Number of Reporting Units", "documentation": "Number of reporting units tested for impairment of goodwill. A reporting unit is an operating segment or one level below an operating segment." } } }, "auth_ref": { } }, "hpe_NumberOfSubsidiaryEmployeesRelatedToAllegedUnderpaidCustomsDutiesProceedings": { "xbrltype": "integerItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "NumberOfSubsidiaryEmployeesRelatedToAllegedUnderpaidCustomsDutiesProceedings", "presentation": { "http://www.hpe.com/role/LitigationContingenciesandCommitmentsDetails": { "lang": { "en-us": { "role": { "terseLabel": "Number of HP India employees alleging underpaid customs", "label": "Number Of Subsidiary Employees Related To Alleged Underpaid Customs Duties Proceedings", "documentation": "The number of the subsidiary of the former Parent's employees alleging the entity underpaid customs duties related to the proceedings." } } }, "auth_ref": { } }, "hpe_NumberOfCommercialPaperProgramsMaintained": { "xbrltype": "integerItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "NumberOfCommercialPaperProgramsMaintained", "presentation": { "http://www.hpe.com/role/BorrowingsNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Number of commercial paper programs", "label": "Number of Commercial Paper Programs Maintained", "documentation": "Number of Commercial Paper Programs Maintained" } } }, "auth_ref": { } }, "hpe_NumberOfFormerSubsidiaryEmployeesRelatedToAllegedUnderpaidCustomsDutiesProceedings": { "xbrltype": "integerItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "NumberOfFormerSubsidiaryEmployeesRelatedToAllegedUnderpaidCustomsDutiesProceedings", "presentation": { "http://www.hpe.com/role/LitigationContingenciesandCommitmentsDetails": { "lang": { "en-us": { "role": { "terseLabel": "Number of former HP India employees alleging underpaid customs", "label": "Number of Former Subsidiary Employees Related To Alleged Underpaid Customs Duties Proceedings", "documentation": "Number of Former Subsidiary Employees Related To Alleged Underpaid Customs Duties Proceedings" } } }, "auth_ref": { } }, "hpe_ObligationToReturnCashReceivedFromRepurchaseAgreementsMember": { "xbrltype": "domainItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "ObligationToReturnCashReceivedFromRepurchaseAgreementsMember", "presentation": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansFairValueofNonUSDefinedBenefitPlanAssetsbyAssetCategoryWithintheFairValueHierarchyDetails": { "lang": { "en-us": { "role": { "terseLabel": "Obligation to return cash received from repurchase agreements", "label": "Obligation to Return Cash Received From Repurchase Agreements [Member]", "documentation": "Obligation to Return Cash Received From Repurchase Agreements [Member]" } } }, "auth_ref": { "us-gaap_OffsettingAssetsTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OffsettingAssetsTableTextBlock", "presentation": { "http://www.hpe.com/role/FinancialInstrumentsTables": { "lang": { "en-us": { "role": { "terseLabel": "Offsetting Assets", "label": "Offsetting Assets [Table Text Block]", "documentation": "Tabular disclosure of derivative and other financial assets that are subject to offsetting, including master netting arrangements." } } }, "auth_ref": { "r170", "r373" } } }, "us-gaap_OffsettingDerivativeAssetsAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OffsettingDerivativeAssetsAbstract", "presentation": { "http://www.hpe.com/role/FinancialInstrumentsOffsettingAssetsandLiabilitiesDetails": { "lang": { "en-us": { "role": { "terseLabel": "Derivative assets", "label": "Offsetting Derivative Assets [Abstract]", "documentation": "Offsetting Derivative Assets [Abstract]" } } }, "auth_ref": { "us-gaap_OffsettingDerivativeLiabilitiesAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OffsettingDerivativeLiabilitiesAbstract", "presentation": { "http://www.hpe.com/role/FinancialInstrumentsOffsettingAssetsandLiabilitiesDetails": { "lang": { "en-us": { "role": { "terseLabel": "Derivative liabilities", "label": "Offsetting Derivative Liabilities [Abstract]", "documentation": "Offsetting Derivative Liabilities [Abstract]" } } }, "auth_ref": { "us-gaap_OffsettingLiabilitiesTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OffsettingLiabilitiesTableTextBlock", "presentation": { "http://www.hpe.com/role/FinancialInstrumentsTables": { "lang": { "en-us": { "role": { "terseLabel": "Offsetting Liabilities", "label": "Offsetting Liabilities [Table Text Block]", "documentation": "Tabular disclosure of derivative and other financial liabilities that are subject to offsetting, including master netting arrangements." } } }, "auth_ref": { "r170", "r373" } } }, "us-gaap_OperatingIncomeLoss": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OperatingIncomeLoss", "crd": "credit", "calculation": { "http://www.hpe.com/role/ConsolidatedStatementsOfEarnings": { "parentTag": { "us-gaap_IncomeLossFromContinuingOperationsBeforeIncomeTaxesExtraordinaryItemsNoncontrollingInterest": { "weight": 1.0, "order": 1.0 }, "http://www.hpe.com/role/SegmentInformationReconciliationofSegmentOperatingResultsDetails": { "parentTag": { "us-gaap_IncomeLossFromContinuingOperationsBeforeIncomeTaxesExtraordinaryItemsNoncontrollingInterest": { "weight": 1.0, "order": 1.0 }, "presentation": { "http://www.hpe.com/role/ConsolidatedStatementsOfEarnings": { "http://www.hpe.com/role/SegmentInformationReconciliationofSegmentOperatingResultsDetails": { "http://www.hpe.com/role/SegmentInformationSegmentOperatingResultsfromContinuingOperationsDetails": { "lang": { "en-us": { "role": { "totalLabel": "Earnings from operations", "terseLabel": "Segment earnings (loss) from operations", "verboseLabel": "Total segment earnings from operations", "label": "Operating Income (Loss)", "documentation": "The net result for the period of deducting operating expenses from operating revenues." } } }, "auth_ref": { "r254", "r1400", "r1657", "r1660", "r1661", "r1662", "r1663" } } }, "hpe_OperatingLeaseAssetsAndLiabilitiesLesseeAbstract": { "xbrltype": "stringItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "OperatingLeaseAssetsAndLiabilitiesLesseeAbstract", "presentation": { "http://www.hpe.com/role/AccountingforLeasesasaLesseeLeasesIncludedintheConsolidatedBalanceSheetsDetails": { "lang": { "en-us": { "role": { "terseLabel": "Operating Leases", "label": "Operating Lease, Assets And Liabilities, Lessee [Abstract]", "documentation": "Operating Lease, Assets And Liabilities, Lessee" } } }, "auth_ref": { "us-gaap_OperatingLeaseCost": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OperatingLeaseCost", "crd": "debit", "calculation": { "http://www.hpe.com/role/AccountingforLeasesasaLesseeOperatingLeaseCostDetails": { "parentTag": { "us-gaap_LeaseCost": { "weight": 1.0, "order": 1.0 }, "presentation": { "http://www.hpe.com/role/AccountingforLeasesasaLesseeOperatingLeaseCostDetails": { "lang": { "en-us": { "role": { "terseLabel": "Operating lease cost", "label": "Operating Lease, Cost", "documentation": "Amount of single lease cost, calculated by allocation of remaining cost of lease over remaining lease term. Includes, but is not limited to, single lease cost, after impairment of right-of-use asset, calculated by amortization of remaining right-of-use asset and accretion of lease liability." } } }, "auth_ref": { "r1022", "r1461" } } }, "us-gaap_OperatingLeaseIncomeComprehensiveIncomeExtensibleList": { "xbrltype": "enumerationSetItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OperatingLeaseIncomeComprehensiveIncomeExtensibleList", "presentation": { "http://www.hpe.com/role/AccountingforLeasesasaLessorLessorActivityIncludedinIncomeStatementDetails": { "lang": { "en-us": { "role": { "terseLabel": "Operating Lease, Lease Income, Statement of Income or Comprehensive Income [Extensible Enumeration]", "label": "Operating Lease, Lease Income, Statement of Income or Comprehensive Income [Extensible Enumeration]", "documentation": "Indicates line item in statement of income or comprehensive income that includes operating lease income." } } }, "auth_ref": { "r1030" } } }, "us-gaap_OperatingLeaseLeaseIncome": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OperatingLeaseLeaseIncome", "crd": "credit", "calculation": { "http://www.hpe.com/role/AccountingforLeasesasaLessorLessorActivityIncludedinIncomeStatementDetails": { "parentTag": { "us-gaap_LeaseIncome": { "weight": 1.0, "order": 2.0 }, "presentation": { "http://www.hpe.com/role/AccountingforLeasesasaLessorLessorActivityIncludedinIncomeStatementDetails": { "lang": { "en-us": { "role": { "terseLabel": "Lease income from operating leases", "label": "Operating Lease, Lease Income", "documentation": "Amount of operating lease income from lease payments and variable lease payments paid and payable to lessor. Includes, but is not limited to, variable lease payments not included in measurement of lease receivable." } } }, "auth_ref": { "r457", "r1030", "r1036" } } }, "us-gaap_OperatingLeaseLiabilitiesPaymentsDueAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OperatingLeaseLiabilitiesPaymentsDueAbstract", "presentation": { "http://www.hpe.com/role/AccountingforLeasesasaLesseeFutureMinimumLeaseCommitmentsDetails": { "lang": { "en-us": { "role": { "terseLabel": "Operating Leases", "label": "Lessee, Operating Lease, Liability, to be Paid, Fiscal Year Maturity [Abstract]", "documentation": "Operating Lease, Liability, Current, Statement of Financial Position [Extensible List]", "label": "Operating Lease, Liability, Current, Statement of Financial Position [Extensible Enumeration]", "documentation": "Indicates line item in statement of financial position that includes current operating lease liability." } } }, "auth_ref": { "r1016" } } }, "us-gaap_OperatingLeaseLiabilityNoncurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OperatingLeaseLiabilityNoncurrent", "crd": "credit", "calculation": { "http://www.hpe.com/role/AccountingforLeasesasaLesseeLeasesIncludedintheConsolidatedBalanceSheetsDetails": { "parentTag": { "us-gaap_OperatingLeaseLiability": { "weight": 1.0, "order": 2.0 }, "presentation": { "http://www.hpe.com/role/BalanceSheetDetailsOtherNonCurrentLiabilitiesDetails": { "parentTag": { "us-gaap_OtherLiabilitiesNoncurrent": { "weight": 1.0, "order": 5.0 }, "presentation": { "http://www.hpe.com/role/BalanceSheetDetailsOtherNonCurrentLiabilitiesDetails": { "lang": { "en-us": { "role": { "verboseLabel": "Operating lease liabilities", "terseLabel": "Operating lease liabilities", "label": "Operating Lease, Liability, Noncurrent", "documentation": "Present value of lessee's discounted obligation for lease payments from operating lease, classified as noncurrent." } } }, "auth_ref": { "r1015" } } }, "us-gaap_OperatingLeaseLiabilityNoncurrentStatementOfFinancialPositionExtensibleList": { "xbrltype": "enumerationSetItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OperatingLeaseLiabilityNoncurrentStatementOfFinancialPositionExtensibleList", "presentation": { "http://www.hpe.com/role/AccountingforLeasesasaLesseeLeasesIncludedintheConsolidatedBalanceSheetsDetails": { "lang": { "en-us": { "role": { "terseLabel": "Operating Lease, Liability, Noncurrent, Statement of Financial Position [Extensible List]", "label": "Operating Lease, Liability, Noncurrent, Statement of Financial Position [Extensible Enumeration]", "documentation": "Indicates line item in statement of financial position that includes noncurrent operating lease liability." } } }, "auth_ref": { "r1016" } } }, "us-gaap_OperatingLeasePayments": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OperatingLeasePayments", "crd": "credit", "presentation": { "http://www.hpe.com/role/AccountingforLeasesasaLesseeAdditionalLeaseInformationDetails": { "lang": { "en-us": { "role": { "terseLabel": "Cash outflows from operating leases", "label": "Operating Lease, Payments", "documentation": "Amount of cash outflow from operating lease, excluding payments to bring another asset to condition and location necessary for its intended use." } } }, "auth_ref": { "r1018", "r1024" } } }, "us-gaap_OperatingLeaseRightOfUseAsset": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OperatingLeaseRightOfUseAsset", "crd": "debit", "calculation": { "http://www.hpe.com/role/AccountingforLeasesasaLesseeLeasesIncludedintheConsolidatedBalanceSheetsDetails": { "parentTag": { "hpe_RightOfUseAssets": { "weight": 1.0, "order": 1.0 }, "presentation": { "http://www.hpe.com/role/BalanceSheetDetailsLongTermFinancingReceivablesandOtherAssetsDetails": { "parentTag": { "us-gaap_OtherAssetsNoncurrent": { "weight": 1.0, "order": 4.0 }, "presentation": { "http://www.hpe.com/role/AccountingforLeasesasaLesseeLeasesIncludedintheConsolidatedBalanceSheetsDetails": { "http://www.hpe.com/role/BalanceSheetDetailsLongTermFinancingReceivablesandOtherAssetsDetails": { "lang": { "en-us": { "role": { "terseLabel": "ROU Assets", "label": "Operating Lease, Right-of-Use Asset", "documentation": "Amount of lessee's right to use underlying asset under operating lease." } } }, "auth_ref": { "r1014" } } }, "hpe_OperatingLeaseRightOfUseAssetMember": { "xbrltype": "domainItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "OperatingLeaseRightOfUseAssetMember", "presentation": { "http://www.hpe.com/role/AccountingforLeasesasaLessorNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Leased Equipment", "label": "Operating Lease, Right-of-Use Asset [Member]", "documentation": "Operating Lease, Right-of-Use Asset" } } }, "auth_ref": { "us-gaap_OperatingLeaseRightOfUseAssetStatementOfFinancialPositionExtensibleList": { "xbrltype": "enumerationSetItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OperatingLeaseRightOfUseAssetStatementOfFinancialPositionExtensibleList", "presentation": { "http://www.hpe.com/role/AccountingforLeasesasaLesseeLeasesIncludedintheConsolidatedBalanceSheetsDetails": { "lang": { "en-us": { "role": { "terseLabel": "Operating Lease, Right-of-Use Asset, Statement of Financial Position [Extensible List]", "label": "Operating Lease, Right-of-Use Asset, Statement of Financial Position [Extensible

Enumeration", "documentation": "Indicates line item in statement of financial position that includes operating lease right-of-use asset." } } }, "auth_ref": "r1016" } } }, "us-gaap-OperatingLeaseWeightedAverageDiscountRatePercent": { "xbrltype": "percentItem", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OperatingLeaseWeightedAverageDiscountRatePercent", "presentation": "http://www.hpe.com/role/AccountingforLeasesasLesseeAdditionalLeaseInformationDetails", "lang": "en-us", "role": "terseLabel", "Weighted-average discount rate", "label": "Operating Lease, Weighted Average Discount Rate, Percent", "documentation": "Weighted average discount rate for operating lease calculated at point in time." } } }, "auth_ref": "r1027", "r1461" } } }, "us-gaap-OperatingLeaseWeightedAverageRemainingLeaseTerm": { "xbrltype": "durationItem", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OperatingLeaseWeightedAverageRemainingLeaseTerm", "presentation": "http://www.hpe.com/role/AccountingforLeasesasLesseeAdditionalLeaseInformationDetails", "lang": "en-us", "role": "terseLabel", "Weighted-average remaining lease term (in years)", "label": "Operating Lease, Weighted Average Remaining Lease Term", "documentation": "Weighted average remaining lease term for operating lease, in 'PnYnMnDnFnMnS' format, for example, 'P1Y5M13D' represents reported fact of one year, five months, and thirteen days." } } }, "auth_ref": "r1026", "r1461" } } }, "us-gaap-OperatingLossCarryforwards": { "xbrltype": "monetaryItem", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OperatingLossCarryforwards", "crdr": "debit", "presentation": "http://www.hpe.com/role/TaxesonEarningsDeferredTaxAssetsandLiabilitiesincludedinCondensedConsolidatedBalanceSheetsDetails", "lang": "en-us", "role": "terseLabel", "Operating loss carryforwards", "label": "Operating Loss Carryforwards", "documentation": "Amount of operating loss carryforward, before tax effects, available to reduce future taxable income under enacted tax laws." } } }, "auth_ref": "r919" } } }, "us-gaap-OperatingLossCarryforwardsLineItems": { "xbrltype": "stringItem", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OperatingLossCarryforwardsLineItems", "presentation": "http://www.hpe.com/role/TaxesonEarningsDeferredTaxAssetsandLiabilitiesincludedinCondensedConsolidatedBalanceSheetsDetails", "lang": "en-us", "role": "terseLabel", "Operating loss carryforwards", "label": "Operating Loss Carryforwards [Line Items]", "documentation": "Line items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table." } } }, "auth_ref": "r919" } } }, "us-gaap-OperatingLossCarryforwardsTable": { "xbrltype": "stringItem", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OperatingLossCarryforwardsTable", "presentation": "http://www.hpe.com/role/TaxesonEarningsDeferredTaxAssetsandLiabilitiesincludedinCondensedConsolidatedBalanceSheetsDetails", "lang": "en-us", "role": "role", "terseLabel": "Operating loss carryforwards", "label": "Operating Loss Carryforwards [Table]", "documentation": "Disclosure of information about operating loss carryforward. Includes, but is not limited to, tax authority, amount and expiration date of operating loss carryforward, and likelihood of utilization." } } }, "auth_ref": "r919" } } }, "us-gaap-OperatingSegmentsMember": { "xbrltype": "domainItem", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OperatingSegmentsMember", "presentation": "http://www.hpe.com/role/SegmentInformationReconciliationofSegmentOperatingResultsDetails", "lang": "en-us", "role": "role", "terseLabel": "Operating segments", "label": "Operating Segments [Member]", "documentation": "Identifies components of an entity that engage in business activities from which they may earn revenue and incur expenses, including transactions with other components of the same entity." } } }, "auth_ref": "r489", "r490", "r491", "r492", "r493", "r496", "r1406", "r1407" } } }, "hpe-OpsRampMember": { "xbrltype": "domainItem", "nsuri": "http://www.hpe.com/20241031", "localname": "OpsRampMember", "presentation": "http://www.hpe.com/role/AcquisitionsandDispositionsNarrativeDetails", "lang": "en-us", "role": "role", "terseLabel": "OpsRamp", "label": "OpsRamp [Member]", "documentation": "OpsRamp" } } }, "auth_ref": " " } } }, "us-gaap-OrganizationConsolidationAndPresentationOffinancialStatementsAbstract": { "xbrltype": "stringItem", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OrganizationConsolidationAndPresentationOffinancialStatementsAbstract", "lang": "en-us", "role": "role", "label": "Organization, Consolidation and Presentation of Financial Statements [Abstract]", "presentation": "http://www.hpe.com/role/OverviewandSummaryofSignificantAccountingPolicies", "lang": "en-us", "role": "role", "terseLabel": "Overview and Summary of Significant Accounting Policies", "label": "Organization, Consolidation, Basis of Presentation, Business Description and Accounting Policies [Text Block]", "documentation": "The entire disclosure for the general note to the financial statements for the reporting entity which may include, descriptions of the basis of presentation, business description, significant accounting policies, consolidations, reclassifications, new pronouncements not yet adopted and changes in accounting principles." } } }, "auth_ref": "r193", "r194", "r195", "r225" } } }, "us-gaap-OtherAccruedLiabilitiesCurrent": { "xbrltype": "monetaryItem", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OtherAccruedLiabilitiesCurrent", "crdr": "credit", "calculation": "http://www.hpe.com/role/BalanceSheetDetailsOtherAccruedLiabilitiesDetails", "parentTag": "us-gaap-OtherLiabilitiesCurrent", "weight": 1.0, "order": 5.0 } } }, "presentation": "http://www.hpe.com/role/BalanceSheetDetailsOtherAccruedLiabilitiesDetails", "lang": "en-us", "role": "role", "terseLabel": "Other", "label": "Other Accrued Liabilities, Current", "documentation": "Amount of expenses incurred but not yet paid classified as other, due within one year or the normal operating cycle, if longer." } } }, "auth_ref": "r150" } } }, "hpe-OtherAccruedLiabilitiesMember": { "xbrltype": "domainItem", "nsuri": "http://www.hpe.com/20241031", "localname": "OtherAccruedLiabilitiesMember", "presentation": "http://www.hpe.com/role/TransformationProgramsNarrativeDetails", "lang": "en-us", "role": "role", "terseLabel": "Other accrued liabilities", "label": "Other Accrued Liabilities [Member]", "documentation": "Other Accrued Liabilities" } } }, "auth_ref": " " } } }, "us-gaap-OtherAssetsCurrent": { "xbrltype": "monetaryItem", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OtherAssetsCurrent", "crdr": "debit", "calculation": "http://www.hpe.com/role/ConsolidatedBalanceSheets", "parentTag": "us-gaap-AssetsCurrent", "weight": 1.0, "order": 5.0 } } }, "presentation": "http://www.hpe.com/role/ConsolidatedBalanceSheets", "lang": "en-us", "role": "role", "terseLabel": "Other current assets", "label": "Other current assets", "documentation": "Amount of current assets classified as other." } } }, "auth_ref": "r368", "r1462" } } }, "us-gaap-OtherAssetsMiscellaneousNoncurrent": { "xbrltype": "monetaryItem", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OtherAssetsMiscellaneousNoncurrent", "crdr": "debit", "calculation": "http://www.hpe.com/role/BalanceSheetDetailsLongTermFinancingReceivablesandOtherAssetsDetails", "parentTag": "us-gaap-OtherAssetsNoncurrent", "weight": 1.0, "order": 3.0 } } }, "presentation": "http://www.hpe.com/role/BalanceSheetDetailsLongTermFinancingReceivablesandOtherAssetsDetails", "lang": "en-us", "role": "role", "terseLabel": "Other", "label": "Other Assets, Miscellaneous, Noncurrent", "documentation": "Amount of other miscellaneous assets expected to be realized or consumed after one year or normal operating cycle, if longer." } } }, "auth_ref": " " } } }, "us-gaap-OtherAssetsNoncurrent": { "xbrltype": "monetaryItem", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OtherAssetsNoncurrent", "crdr": "debit", "calculation": "http://www.hpe.com/role/BalanceSheetDetailsLongTermFinancingReceivablesandOtherAssetsDetails", "parentTag": null, "weight": null, "order": null, "root": true } } }, "presentation": "http://www.hpe.com/role/BalanceSheetDetailsLongTermFinancingReceivablesandOtherAssetsDetails", "lang": "en-us", "role": "role", "totalLabel": "Total", "verboseLabel": "Other assets, noncurrent", "label": "Other Assets, Noncurrent", "documentation": "Amount of noncurrent assets classified as other." } } }, "auth_ref": "r355" } } }, "us-gaap-OtherCommitmentsLineItems": { "xbrltype": "stringItem", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OtherCommitmentsLineItems", "presentation": "http://www.hpe.com/role/GuaranteesandIndemnificationsIndemnifiedLitigationmattersandOtherContingenciesDetails", "lang": "en-us", "role": "role", "terseLabel": "Other Commitments [Line Items]", "label": "Other Commitments [Line Items]", "documentation": "Line items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table." } } }, "auth_ref": " " } } }, "us-gaap-OtherCommitmentsTable": { "xbrltype": "stringItem", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OtherCommitmentsTable", "presentation": "http://www.hpe.com/role/GuaranteesandIndemnificationsIndemnifiedLitigationmattersandOtherContingenciesDetails", "lang": "en-us", "role": "role", "terseLabel": "Other Commitments [Table]", "label": "Other Commitments [Table]", "documentation": "Disclosure of information about obligations resulting from other commitments." } } }, "auth_ref": " " } } }, "us-gaap-OtherComprehensiveIncomeAvailableForSaleSecuritiesAdjustmentBeforeTaxPeriodIncreaseDecreaseAbstract": { "xbrltype": "stringItem", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OtherComprehensiveIncomeAvailableForSaleSecuritiesAdjustmentBeforeTaxPeriodIncreaseDecreaseAbstract", "presentation": "http://www.hpe.com/role/ConsolidatedStatementsOfComprehensiveIncome", "lang": "en-us", "role": "role", "terseLabel": "Change in Net Unrealized Gains (Losses) on Available-for-Sale Securities", "label": "OCI, Debt Securities, Available-for-Sale, Gain (Loss), after Adjustment, before Tax [Abstract]", "auth_ref": " " } } }, "us-gaap-OtherComprehensiveIncomeDefinedBenefitPlansAdjustmentBeforeTaxPeriodIncreaseDecreaseAbstract": { "xbrltype": "stringItem", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OtherComprehensiveIncomeDefinedBenefitPlansAdjustmentBeforeTaxPeriodIncreaseDecreaseAbstract", "presentation": "http://www.hpe.com/role/ConsolidatedStatementsOfComprehensiveIncome", "lang": "en-us", "role": "role", "terseLabel": "Change in Unrealized Components of Defined Benefit Plans", "label": "Other Comprehensive (Income) Loss, Defined Benefit Plan, after Reclassification Adjustment, before Tax [Abstract]", "auth_ref": " " } } }, "us-gaap-OtherComprehensiveIncomeDerivativesQualifyingAsHedgesBeforeTaxPeriodIncreaseDecreaseAbstract": { "xbrltype": "stringItem", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OtherComprehensiveIncomeDerivativesQualifyingAsHedgesBeforeTaxPeriodIncreaseDecreaseAbstract", "presentation": "http://www.hpe.com/role/ConsolidatedStatementsOfComprehensiveIncome", "lang": "en-us", "role": "role", "terseLabel": "Change in Net Unrealized (Losses) Gains on Cash Flow Hedges", "label": "Other Comprehensive Income (Loss), Cash Flow Hedge, Gain (Loss), after Reclassification, before Tax [Abstract]", "auth_ref": " " } } }, "us-gaap-OtherComprehensiveIncomeForeignCurrencyTransactionAndTranslationAdjustmentBeforeTaxPeriodIncreaseDecreaseAbstract": { "xbrltype": "stringItem", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OtherComprehensiveIncomeForeignCurrencyTransactionAndTranslationAdjustmentBeforeTaxPeriodIncreaseDecreaseAbstract", "presentation": "http://www.hpe.com/role/ConsolidatedStatementsOfComprehensiveIncome", "lang": "en-us", "role": "role", "terseLabel": "Change in Cumulative Translation Adjustment", "label": "Other Comprehensive Income (Loss), Foreign Currency Transaction and Translation Adjustment, before Tax [Abstract]", "auth_ref": " " } } }, "us-gaap-OtherComprehensiveIncomeForeignCurrencyTransactionAndTranslationAdjustmentBeforeTaxPortionAttributableToParent": { "xbrltype": "monetaryItem", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OtherComprehensiveIncomeForeignCurrencyTransactionAndTranslationAdjustmentBeforeTaxPortionAttributableToParent", "crdr": "credit", "calculation": "http://www.hpe.com/role/ConsolidatedStatementsOfComprehensiveIncome", "parentTag": "us-gaap-OtherComprehensiveIncomeLossBeforeTaxPortionAttributableToParent", "weight": 1.0, "order": 4.0 } } }, "presentation": "http://www.hpe.com/role/ConsolidatedStatementsOfComprehensiveIncome", "lang": "en-us", "role": "role", "totalLabel": "Change in cumulative translation adjustment", "label": "Other Comprehensive Income (Loss), Foreign Currency Transaction and Translation Adjustment, before Tax, Portion Attributable to Parent", "documentation": "Amount before tax, after reclassification adjustments of gain (loss) on foreign currency translation adjustments, on foreign currency transactions designated and effective as economic hedges of a net investment in a foreign entity and intra-entity foreign currency transactions that are of a long-term investment nature, attributable to parent entity." } } }, "auth_ref": "r14", "r29", "r226" } } }, "us-gaap-OtherComprehensiveIncomeForeignCurrencyTransactionAndTranslationGainLossBeforeReclassificationAndTax": { "xbrltype": "monetaryItem", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OtherComprehensiveIncomeForeignCurrencyTransactionAndTranslationGainLossBeforeReclassificationAndTax", "crdr": "credit", "calculation": "http://www.hpe.com/role/ConsolidatedStatementsOfComprehensiveIncome", "parentTag": "us-gaap-OtherComprehensiveIncomeForeignCurrencyTransactionAndTranslationAdjustmentBeforeTaxPortionAttributableToParent", "weight": 1.0, "order": 1.0 } } }, "presentation": "http://www.hpe.com/role/ConsolidatedStatementsOfComprehensiveIncome", "lang": "en-us", "role": "role", "terseLabel": "Net losses arising during the period", "label": "Other Comprehensive Income (Loss), Foreign Currency Transaction and Translation Gain (Loss), before Reclassification and Tax", "documentation": "Amount before tax and reclassification adjustments of gain (loss) on foreign currency translation adjustments, foreign currency transactions designated and effective as economic hedges of a net investment in a foreign entity and intra-entity foreign currency transactions that are of a long-term investment nature." } } }, "auth_ref": "r6", "r175", "r994", "r995", "r998" } } }, "hpe-OtherComprehensiveIncomeLossActuarialAndPriorServiceCostsNetPeriodicBenefitCostBeforeTax": { "xbrltype": "monetaryItem", "nsuri": "http://www.hpe.com/20241031", "localname": "OtherComprehensiveIncomeLossActuarialAndPriorServiceCostsNetPeriodicBenefitCostBeforeTax", "crdr": "debit", "calculation": "http://www.hpe.com/role/ConsolidatedStatementsOfComprehensiveIncome", "parentTag": "us-gaap-OtherComprehensiveIncomeLossPensionAndOtherPostretirementBenefitPlansAdjustmentBeforeTax", "weight": 1.0, "order": 2.0 } } }, "presentation": "http://www.hpe.com/role/ConsolidatedStatementsOfComprehensiveIncome", "lang": "en-us", "role": "role", "negatedLabel": "Amortization of net actuarial loss and prior service benefit", "label": "Other Comprehensive Income (loss) Actuarial and Prior Service Costs Net Periodic Benefit Cost before Tax", "documentation": "Before tax amount of the income statement impact of the reclassification adjustment for actuarial (gain) loss and prior service (benefit) costs recognized as a component of net periodic benefit cost." } } }, "auth_ref": " " } } }, "us-gaap-OtherComprehensiveIncomeLossAvailableForSaleSecuritiesAdjustmentBeforeTax": { "xbrltype": "monetaryItem", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OtherComprehensiveIncomeLossAvailableForSaleSecuritiesAdjustmentBeforeTax", "crdr": "credit", "calculation": "http://www.hpe.com/role/ConsolidatedStatementsOfComprehensiveIncome", "parentTag": "us-gaap-OtherComprehensiveIncomeLossBeforeTaxPortionAttributableToParent", "weight": 1.0, "order": 3.0 } } }, "presentation": "http://www.hpe.com/role/ConsolidatedStatementsOfComprehensiveIncome", "lang": "en-us", "role": "role", "totalLabel": "Change in unrealized gains (losses) on available-for-sale securities", "label": "OCI, Debt Securities, Available-for-Sale, Gain (Loss), after Adjustment, before Tax", "documentation": "Amount, before tax and after adjustment, of unrealized gain (loss) on investment in debt security measured at fair value with change in fair value recognized in other comprehensive income (available-for-sale) and unrealized gain (loss) on investment in debt security measured at amortized cost (held-to-maturity) from

transfer to available-for-sale." } } }, "auth ref": { "r376", "r377", "r379", "r1145" } }, "us-gaap-OtherComprehensiveIncomeLossBeforeReclassificationsBeforeTax": {
"xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OtherComprehensiveIncomeLossBeforeReclassificationsBeforeTax", "crdr": "credit",
"presentation": { "http://www.hpe.com/role/StockholdersEquityComponentsOfAOCIDetails": { "lang": { "en-us": { "role": { "terseLabel": "Other comprehensive income (loss)
before reclassifications", "label": "Other Comprehensive Income (Loss), before Reclassifications, before Tax", "documentation": "Amount before tax and reclassification
adjustments of other comprehensive income (loss)." } } }, "auth ref": { "r45", "r390", "r999", "r1002", "r1005", "r1145", "r1628" } }, "us-
gaap-OtherComprehensiveIncomeLossBeforeTaxPortionAttributableToParent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname":
"OtherComprehensiveIncomeLossBeforeTaxPortionAttributableToParent", "crdr": "credit", "calculation": {
"http://www.hpe.com/role/ConsolidatedStatementsOfComprehensiveIncome": { "parentTag": "us-gaap-OtherComprehensiveIncomeLossNetOfTaxPortionAttributableToParent",
"weight": 1.0, "order": 1.0 } }, "presentation": { "http://www.hpe.com/role/ConsolidatedStatementsOfComprehensiveIncome": { "lang": { "en-us": { "role": { "totalLabel": "Other
Comprehensive Income (Loss) Before Taxes", "label": "Other Comprehensive Income (Loss), before Tax, Portion Attributable to Parent", "documentation": "Amount before tax
of other comprehensive income (loss) attributable to parent entity." } } }, "auth ref": { "r14", "r29", "r226" } }, "us-
gaap-OtherComprehensiveIncomeLossBeforeTaxPortionAttributableToParentAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname":
"OtherComprehensiveIncomeLossBeforeTaxPortionAttributableToParentAbstract", "presentation": {
"http://www.hpe.com/role/ConsolidatedStatementsOfComprehensiveIncome": { "lang": { "en-us": { "role": { "verboseLabel": "Other Comprehensive Income (Loss) Before
Taxes", "label": "Other Comprehensive Income (Loss), before Tax, Portion Attributable to Parent [Abstract]" } } }, "auth ref": { } }, "us-
gaap-OtherComprehensiveIncomeLossCashFlowHedgeGainLossAfterReclassificationBeforeTax": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024",
"localname": "OtherComprehensiveIncomeLossCashFlowHedgeGainLossAfterReclassificationBeforeTax", "crdr": "credit", "calculation": {
"http://www.hpe.com/role/ConsolidatedStatementsOfComprehensiveIncome": { "parentTag": "us-gaap-OtherComprehensiveIncomeLossBeforeTaxPortionAttributableToParent",
"weight": 1.0, "order": 2.0 } }, "presentation": { "http://www.hpe.com/role/ConsolidatedStatementsOfComprehensiveIncome": { "lang": { "en-us": { "role": { "totalLabel":
"Change in unrealized (losses) gains on cash flow hedges", "label": "Other Comprehensive Income (Loss), Cash Flow Hedge, Gain (Loss), after Reclassification, before Tax",
"documentation": "Amount, before tax and after reclassification, of gain (loss) from derivative instrument designated and qualifying cash flow hedge included in assessment of
hedge effectiveness." } } }, "auth ref": { "r375", "r379", "r1145" } }, "us-gaap-OtherComprehensiveIncomeLossCashFlowHedgeGainLossBeforeReclassificationAndTax": {
"xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname":
"OtherComprehensiveIncomeLossCashFlowHedgeGainLossBeforeReclassificationAndTax", "crdr": "credit", "calculation": {
"http://www.hpe.com/role/FinancialInstrumentsPretaxEffectOfDerivativeInstrumentsInHedgingRelationshipsonOCIDetails": { "parentTag":
"hpe-OtherComprehensiveIncomeLossDerivativeCashFlowAndNetInvestmentHedgesIncreaseDecreaseBeforeAdjustmentsAndTax", "weight": 1.0, "order": 1.0 },
"http://www.hpe.com/role/ConsolidatedStatementsOfComprehensiveIncome": { "parentTag": "us-
gaap-OtherComprehensiveIncomeLossCashFlowHedgeGainLossAfterReclassificationBeforeTax", "weight": 1.0, "order": 2.0 } }, "presentation": {
"http://www.hpe.com/role/ConsolidatedStatementsOfComprehensiveIncome": { "parentTag": "us-
gaap-OtherComprehensiveIncomeLossCashFlowHedgeGainLossAfterReclassificationBeforeTax", "weight": -1.0, "order": 1.0 } }, "presentation": {
"http://www.hpe.com/role/FinancialInstrumentsPretaxEffectOfDerivativeInstrumentsInHedgingRelationshipsonOCIDetails": { "lang": { "en-us": { "role": { "terseLabel": "Net
unrealized (losses) gains arising during the period", "label": "Other Comprehensive Income (Loss), Cash Flow Hedge, Gain (Loss), before Reclassification and Tax",
"documentation": "Amount, before tax and reclassification, of gain (loss) from derivative instrument designated and qualifying cash flow hedge included in assessment of
hedge effectiveness." } } }, "auth ref": { "r375", "r379", "r951", "r952", "r958" } }, "us-
gaap-OtherComprehensiveIncomeLossCashFlowHedgeGainLossReclassificationBeforeTax": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024",
"localname": "OtherComprehensiveIncomeLossCashFlowHedgeGainLossReclassificationBeforeTax", "crdr": "debit", "calculation": {
"http://www.hpe.com/role/FinancialInstrumentsPretaxEffectOfDerivativeInstrumentsInHedgingRelationshipsonOCIDetails": { "parentTag": "us-
gaap-DerivativeGainLossOnDerivativeNet", "weight": -1.0, "order": 2.0 } }, "presentation": {
"http://www.hpe.com/role/FinancialInstrumentsPretaxEffectOfDerivativeInstrumentsInHedgingRelationshipsonOCIDetails": { "lang": { "en-us": { "role": { "terseLabel": "Other
Comprehensive Income (Loss), Cash Flow Hedge, Gain (Loss), Reclassification, before Tax", "label": "Other Comprehensive Income (Loss), Cash Flow Hedge, Gain (Loss),
Reclassification, before Tax", "documentation": "Amount, before tax, of reclassification of gain (loss) from accumulated other comprehensive income (AOCI) for derivative
instrument designated and qualifying as cash flow hedge included in assessment of hedge effectiveness." } } }, "auth ref": { "r291", "r379", "r381" } }, "us-
gaap-OtherComprehensiveIncomeLossCashFlowHedgeReclassificationForDiscontinuanceBeforeTax": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-
gaap/2024", "localname": "OtherComprehensiveIncomeLossCashFlowHedgeReclassificationForDiscontinuanceBeforeTax", "crdr": "debit", "calculation": {
"http://www.hpe.com/role/ConsolidatedStatementsOfComprehensiveIncome": { "parentTag": "us-
gaap-OtherComprehensiveIncomeLossCashFlowHedgeGainLossAfterReclassificationBeforeTax", "weight": -1.0, "order": 1.0 } }, "presentation": {
"http://www.hpe.com/role/ConsolidatedStatementsOfComprehensiveIncome": { "parentTag": "http://www.hpe.com/role/FinancialInstrumentsNarrativeDetails": { "lang": { "en-us": { "role": {
"negatedTerseLabel": "Net losses (gains) reclassified into earnings", "terseLabel": "Loss on interest rate lock", "label": "Other Comprehensive Income (Loss), Cash Flow
Hedge, Reclassification for Discontinuance, before Tax", "documentation": "Amount, before tax, of reclassification of gain (loss) from accumulated other comprehensive income (AOCI) for
gain (loss) from discontinuance of cash flow hedge included in assessment of hedge effectiveness." } } }, "auth ref": { "r953" } },
"hpe-OtherComprehensiveIncomeLossDerivativeCashFlowAndNetInvestmentHedgesIncreaseDecreaseBeforeAdjustmentsAndTax": { "xbrltype": "monetaryItemType", "nsuri":
"http://www.hpe.com/20241031", "localname": "OtherComprehensiveIncomeLossDerivativeCashFlowAndNetInvestmentHedgesIncreaseDecreaseBeforeAdjustmentsAndTax",
"crdr": "credit", "calculation": { "http://www.hpe.com/role/FinancialInstrumentsPretaxEffectOfDerivativeInstrumentsInHedgingRelationshipsonOCIDetails": { "parentTag":
null, "weight": null, "order": null, "root": true } }, "presentation": {
"http://www.hpe.com/role/FinancialInstrumentsPretaxEffectOfDerivativeInstrumentsInHedgingRelationshipsonOCIDetails": { "lang": { "en-us": { "role": { "totalLabel": "Total",
"label": "Other Comprehensive Income (Loss), Derivative Cash Flow and Net Investment Hedges, Increase (Decrease), Before Adjustments and Tax", "documentation": "Other
Comprehensive Income (Loss), Derivative Cash Flow and Net Investment Hedges, Increase (Decrease), Before Adjustments and Tax" } } }, "auth ref": { } }, "us-
gaap-OtherComprehensiveIncomeLossFinalizationOfPensionAndNonPensionPostretirementPlanValuationBeforeTax": { "xbrltype": "monetaryItemType", "nsuri":
"http://fasb.org/us-gaap/2024", "localname": "OtherComprehensiveIncomeLossFinalizationOfPensionAndNonPensionPostretirementPlanValuationBeforeTax", "crdr": "credit",
"calculation": { "http://www.hpe.com/role/ConsolidatedStatementsOfComprehensiveIncome": { "parentTag": "us-
gaap-OtherComprehensiveIncomeLossPensionAndOtherPostretirementBenefitPlansAdjustmentBeforeTax", "weight": -1.0, "order": 3.0 } }, "presentation": {
"http://www.hpe.com/role/ConsolidatedStatementsOfComprehensiveIncome": { "lang": { "en-us": { "role": { "terseLabel": "Curtailments, settlements and other", "label": "Other
Comprehensive Income (Loss), Defined Benefit Plan, Settlement and Curtailment Gain (Loss), before Tax", "documentation": "Amount, before tax, of increase (decrease) to
other comprehensive income from settlement and curtailment gain (loss) of defined benefit plan." } } }, "auth ref": { "r11", "r175", "r215" } }, "us-
gaap-OtherComprehensiveIncomeLossForeignCurrencyTransactionAndTranslationReclassificationAdjustmentFromAOCIRealizedUponSaleOrLiquidationBeforeTax": {
"xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname":
"OtherComprehensiveIncomeLossForeignCurrencyTransactionAndTranslationReclassificationAdjustmentFromAOCIRealizedUponSaleOrLiquidationBeforeTax", "crdr": "debit",
"calculation": { "http://www.hpe.com/role/ConsolidatedStatementsOfComprehensiveIncome": { "parentTag": "us-
gaap-OtherComprehensiveIncomeForeignCurrencyTransactionAndTranslationAdjustmentBeforeTaxPortionAttributableToParent", "weight": -1.0, "order": 2.0 } },
"presentation": { "http://www.hpe.com/role/ConsolidatedStatementsOfComprehensiveIncome": { "lang": { "en-us": { "role": { "negatedTerseLabel": "Net loss reclassified into
earnings", "label": "Other Comprehensive Income (Loss), Foreign Currency Transaction and Translation Reclassification Adjustment from AOCI, Realized upon Sale or
Liquidation, before Tax", "documentation": "Amount before tax of reclassification adjustment from accumulated other comprehensive income for translation gain (loss)
realized upon the sale or liquidation of an investment in a foreign entity and foreign currency hedges that are designated and qualified as hedging instruments for hedges of
the foreign currency exposure of a net investment in a foreign operation." } } }, "auth ref": { "r11", "r12", "r175", "r382", "r997" } }, "us-
gaap-OtherComprehensiveIncomeLossNetInvestmentHedgeGainLossBeforeReclassificationAndTax": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024",
"localname": "OtherComprehensiveIncomeLossNetInvestmentHedgeGainLossBeforeReclassificationAndTax", "crdr": "credit", "calculation": {
"http://www.hpe.com/role/FinancialInstrumentsPretaxEffectOfDerivativeInstrumentsInHedgingRelationshipsonOCIDetails": { "parentTag":
"hpe-OtherComprehensiveIncomeLossDerivativeCashFlowAndNetInvestmentHedgesIncreaseDecreaseBeforeAdjustmentsAndTax", "weight": 1.0, "order": 2.0 } },
"presentation": { "http://www.hpe.com/role/FinancialInstrumentsPretaxEffectOfDerivativeInstrumentsInHedgingRelationshipsonOCIDetails": { "lang": { "en-us": { "role": { "role": {
"terseLabel": "Gains (Losses) Recognized in OCI on Derivatives in Net Investment Hedging Relationship", "label": "Other Comprehensive Income (Loss), Net Investment
Hedge, Gain (Loss), before Reclassification and Tax", "documentation": "Amount, before tax and reclassification, of gain (loss) from derivative designated and qualifying as
net investment hedge." } } }, "auth ref": { "r954" } }, "us-gaap-OtherComprehensiveIncomeLossNetOfTax": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-
gaap/2024", "localname": "OtherComprehensiveIncomeLossNetOfTax", "crdr": "credit", "presentation": {
"http://www.hpe.com/role/ConsolidatedStatementsOfStockholdersEquity": { "lang": { "en-us": { "role": { "verboseLabel": "Other comprehensive loss", "label": "Other
Comprehensive Income (Loss), Net of Tax", "documentation": "Amount after tax and reclassification adjustments of other comprehensive income (loss)." } } }, "auth ref": {
"r30", "r39", "r384", "r387", "r393", "r426", "r999", "r1000", "r1005", "r1121", "r1145", "r1628", "r1629" } }, "us-
gaap-OtherComprehensiveIncomeLossNetOfTaxPortionAttributableToParent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname":
"OtherComprehensiveIncomeLossNetOfTaxPortionAttributableToParent", "crdr": "credit", "calculation": {
"http://www.hpe.com/role/ConsolidatedStatementsOfComprehensiveIncome": { "parentTag": "us-gaap-OtherComprehensiveIncomeNetOfTax", "weight": 1.0, "order": 2.0 } },
"presentation": { "http://www.hpe.com/role/ConsolidatedStatementsOfComprehensiveIncome": { "lang": { "en-us": { "role": { "totalLabel": "Other Comprehensive Income
(Loss), Net of Taxes", "label": "Other Comprehensive Income (Loss), Net of Tax, Portion Attributable to Parent", "documentation": "Amount after tax of other comprehensive
income (loss) attributable to parent entity." } } }, "auth ref": { "r14", "r29", "r226", "r384", "r387", "r426" } }, "us-
gaap-OtherComprehensiveIncomeLossPensionAndOtherPostretirementBenefitPlansAdjustmentBeforeTax": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-
gaap/2024", "localname": "OtherComprehensiveIncomeLossPensionAndOtherPostretirementBenefitPlansAdjustmentBeforeTax", "crdr": "debit", "calculation": {
"http://www.hpe.com/role/ConsolidatedStatementsOfComprehensiveIncome": { "parentTag": "us-gaap-OtherComprehensiveIncomeLossBeforeTaxPortionAttributableToParent",
"weight": -1.0, "order": 1.0 } }, "presentation": { "http://www.hpe.com/role/ConsolidatedStatementsOfComprehensiveIncome": { "lang": { "en-us": { "role": {
"negatedTotalLabel": "Change in unrealized components of defined benefit plans", "label": "Other Comprehensive (Income) Loss, Defined Benefit Plan, after Reclassification
Adjustment, before Tax", "documentation": "Amount, before tax, after reclassification adjustment, of (increase) decrease in accumulated other comprehensive income for
defined benefit plan." } } }, "auth ref": { "r7", "r8", "r174", "r175", "r1145", "r1432", "r1793" } }, "us-
gaap-OtherComprehensiveIncomeLossPensionAndOtherPostretirementBenefitPlansNetUnamortizedGainLossArisingDuringPeriodBeforeTax": { "xbrltype":
"monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname":
"OtherComprehensiveIncomeLossPensionAndOtherPostretirementBenefitPlansNetUnamortizedGainLossArisingDuringPeriodBeforeTax", "crdr": "credit", "calculation": {
"http://www.hpe.com/role/ConsolidatedStatementsOfComprehensiveIncome": { "parentTag": "us-
gaap-OtherComprehensiveIncomeLossPensionAndOtherPostretirementBenefitPlansAdjustmentBeforeTax", "weight": -1.0, "order": 1.0 } }, "presentation": {
"http://www.hpe.com/role/ConsolidatedStatementsOfComprehensiveIncome": { "lang": { "en-us": { "role": { "terseLabel": "Net unrealized gains (losses) arising during the
period", "label": "Other Comprehensive Income (Loss), Defined Benefit Plan, Gain (Loss) Arising During Period, before Tax", "documentation": "Amount, before tax, of gain
(loss) for (increase) decrease in value of benefit obligation for change in actuarial assumptions and increase (decrease) in value of plan assets from experience different from
that assumed of defined benefit plan, that has not been recognized in net periodic benefit (cost) credit." } } }, "auth ref": { "r174", "r175", "r215" } }, "us-
gaap-OtherComprehensiveIncomeLossTax": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OtherComprehensiveIncomeLossTax",
"crdr": "debit", "presentation": { "http://www.hpe.com/role/StockholdersEquityComponentsOfAOCIDetails": { "lang": { "en-us": { "role": { "negatedTerseLabel": "Tax benefit",
"label": "Other Comprehensive Income (Loss), Tax", "documentation": "Amount of tax expense (benefit) allocated to other comprehensive income (loss)." } } }, "auth ref": {
"r9", "r389", "r393", "r886", "r927", "r928", "r999", "r1003", "r1005", "r1121", "r1145" } }, "us-gaap-OtherComprehensiveIncomeLossTaxPortionAttributableToParent": {
"xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OtherComprehensiveIncomeLossTaxPortionAttributableToParent", "crdr": "debit",
"calculation": { "http://www.hpe.com/role/ConsolidatedStatementsOfComprehensiveIncome": { "parentTag": "us-
gaap-OtherComprehensiveIncomeLossNetOfTaxPortionAttributableToParent", "weight": -1.0, "order": 2.0 } }, "presentation": {

"http://www.hpe.com/role/ConsolidatedStatementsOfComprehensiveIncome", "lang": "en-us", "role": "negatedLabel", "Benefit for Taxes", "label": "Other Comprehensive Income (Loss), Tax Portion Attributable to Parent", "documentation": "Amount of tax expense (benefit) allocated to other comprehensive income (loss) attributable to parent entity." }, "auth_ref": "r14", "r29", "r226", "us-gaap-OtherComprehensiveIncomeUnrealizedHoldingGainLossOnSecuritiesArisingDuringPeriodBeforeTax", { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OtherComprehensiveIncomeUnrealizedHoldingGainLossOnSecuritiesArisingDuringPeriodBeforeTax", "crdr": "credit", "calculation": { "http://www.hpe.com/role/ConsolidatedStatementsOfComprehensiveIncome", { "parentTag": "us-gaap-OtherComprehensiveIncomeLossAvailableForSaleSecuritiesAdjustmentBeforeTax", "weight": 1.0, "order": 1.0 } }, "presentation": { "http://www.hpe.com/role/ConsolidatedStatementsOfComprehensiveIncome", "lang": "en-us", "role": "terseLabel", "Net unrealized gains (losses) arising during the period", "label": "OCI: Debt Securities Available for Sale, Unrealized Holding Gain (Loss), before Adjustment and Tax", "documentation": "Amount, before tax and adjustment, of unrealized holding gain (loss) on investment in debt security measured at fair value with change in fair value recognized in other comprehensive income (available for sale). Excludes unrealized gain (loss) on investment in debt security measured at amortized cost (held-to-maturity) from transfer to available-for-sale." }, "auth_ref": "r376", "r379", "r538", "us-gaap-OtherContractMember", { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OtherContractMember", "presentation": { "http://www.hpe.com/role/FairValueScheduleOfAssetsandLiabilitiesonaRecurringBasisDetails", "http://www.hpe.com/role/FinancialInstrumentsGrossNotionalandFairValueofInstrumentsintheBalanceSheetsDetails", "http://www.hpe.com/role/FinancialInstrumentsPretaxEffectofDerivativeInstrumentsonStatementofEarningsDetails", "lang": "en-us", "role": "terseLabel", "Other derivatives", "label": "Other Contract [Member]", "documentation": "Derivative instrument whose primary underlying risk is classified as other." }, "auth_ref": "r1385", "r1395", "r1430", "hpe-OtherCountriesWithIncomeTaxJurisdictionNumber", { "xbrltype": "integerItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "OtherCountriesWithIncomeTaxJurisdictionNumber", "presentation": { "http://www.hpe.com/role/TaxesonEarningsUncertainTaxPositionsDetails", "lang": "en-us", "role": "terseLabel", "Number of other countries in which HPE is subject to income taxes", "label": "Other Countries with Income Tax Jurisdiction Number", "documentation": "Represents the number of other countries in which the entity is subject to income taxes." }, "auth_ref": "us-gaap-OtherCurrentAssetsMember", { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OtherCurrentAssetsMember", "presentation": { "http://www.hpe.com/role/FinancialInstrumentsGrossNotionalandFairValueofInstrumentsintheBalanceSheetsDetails", "lang": "en-us", "role": "terseLabel", "Other Current Assets", "label": "Other Current Assets [Member]", "documentation": "Primary financial statement caption encompassing other current assets." }, "auth_ref": "r120", "r133", "us-gaap-OtherCurrentLiabilitiesMember", { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OtherCurrentLiabilitiesMember", "presentation": { "http://www.hpe.com/role/FinancialInstrumentsGrossNotionalandFairValueofInstrumentsintheBalanceSheetsDetails", "lang": "en-us", "role": "terseLabel", "Other Accrued Liabilities", "label": "Other Current Liabilities [Member]", "documentation": "Primary financial statement caption encompassing other current liabilities." }, "auth_ref": "us-gaap-OtherCurrentLiabilitiesTableTextBlock", { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OtherCurrentLiabilitiesTableTextBlock", "presentation": { "http://www.hpe.com/role/BalanceSheetDetailsTable", "lang": "en-us", "role": "terseLabel", "Other Accrued Liabilities", "label": "Other Current Liabilities Table Text Block", "documentation": "Tabular disclosure of other current liabilities." }, "auth_ref": "us-gaap-OtherDebtSecuritiesMember", { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OtherDebtSecuritiesMember", "presentation": { "http://www.hpe.com/role/FairValueScheduleOfAssetsandLiabilitiesonaRecurringBasisDetails", "http://www.hpe.com/role/FinancialInstrumentsCashEquivalentsandAvailableforSaleInvestmentsDetails", "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansChangesinFairValueMeasurementsorLevel3InvestmentsfortheNonUSDefinedBenefitPlansDetails", "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansFairValueofNonUSDefinedBenefitPlanAssetsbyAssetCategoryWithintheFairValueHierarchyDetails", "lang": "en-us", "role": "terseLabel", "Other debt securities", "label": "Debt-Other", "label": "Other Debt Obligations [Member]", "documentation": "Investments in debt securities classified as other." }, "auth_ref": "r1693", "r1776", "us-gaap-OtherIntangibleAssetsMember", { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OtherIntangibleAssetsMember", "presentation": { "http://www.hpe.com/role/GoodwillandIntangibleAssetsNarrativeDetails", "lang": "en-us", "role": "terseLabel", "Intangible Assets", "label": "Other Intangible Assets [Member]", "documentation": "Intangible assets classified as other." }, "auth_ref": "r1418", "r1707", "r1708", "r1709", "r1710", "r1711", "r1712", "r1714", "r1716", "r1718", "us-gaap-OtherLiabilitiesCurrent", { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OtherLiabilitiesCurrent", "crdr": "credit", "calculation": { "http://www.hpe.com/role/ConsolidatedBalanceSheets", { "parentTag": "us-gaap-LiabilitiesCurrent", "weight": 1.0, "order": 7.0 }, "http://www.hpe.com/role/BalanceSheetDetailsOtherAccruedLiabilitiesDetails", { "parentTag": null, "weight": null, "order": null, "root": true }, "presentation": { "http://www.hpe.com/role/BalanceSheetDetailsOtherAccruedLiabilitiesDetails", "http://www.hpe.com/role/ConsolidatedBalanceSheets", "lang": "en-us", "role": "terseLabel", "Other accrued liabilities", "totalLabel": "Total", "label": "Other Liabilities Current", "documentation": "Amount of liabilities classified as other, due within one year or the normal operating cycle, if longer." }, "auth_ref": "r150", "r1462", "us-gaap-OtherLiabilitiesNoncurrent", { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OtherLiabilitiesNoncurrent", "crdr": "credit", "calculation": { "http://www.hpe.com/role/ConsolidatedBalanceSheets", { "parentTag": "us-gaap-LiabilitiesAndStockholdersEquity", "weight": 1.0, "order": 3.0 }, "http://www.hpe.com/role/BalanceSheetDetailsOtherNonCurrentLiabilitiesDetails", { "parentTag": null, "weight": null, "order": null, "root": true }, "presentation": { "http://www.hpe.com/role/BalanceSheetDetailsOtherNonCurrentLiabilitiesDetails", "http://www.hpe.com/role/ConsolidatedBalanceSheets", "http://www.hpe.com/role/GuaranteesandIndemnificationsIndemnifiedLitigationmattersandOtherContingenciesDetails", "lang": "en-us", "role": "terseLabel", "Other non-current liabilities", "totalLabel": "Total", "verboseLabel": "Payable", "label": "Other Liabilities, Noncurrent", "documentation": "Amount of liabilities classified as other, due after one year or the normal operating cycle, if longer." }, "auth_ref": "r154", "us-gaap-OtherLongTermDebt", { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OtherLongTermDebt", "crdr": "credit", "calculation": { "http://www.hpe.com/role/BorrowingsLongTermDebtDetails", { "parentTag": "us-gaap-LongTermDebtAndCapitalLeaseObligations", "weight": 1.0, "order": 2.0 }, "presentation": { "http://www.hpe.com/role/BorrowingsLongTermDebtDetails", "lang": "en-us", "role": "terseLabel", "Other, including capital lease obligations, at 1.1%-9.0%, due in calendar years 2021-2030", "label": "Other Long-Term Debt", "documentation": "Amount of long-term debt classified as other." }, "auth_ref": "r42", "r243", "r1912", "hpe-OtherLongTermDebtAndCapitalLeaseObligationsMember", { "xbrltype": "domainItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "OtherLongTermDebtAndCapitalLeaseObligationsMember", "presentation": { "http://www.hpe.com/role/BorrowingsLongTermDebtDetails", "lang": "en-us", "role": "terseLabel", "Other, including capital lease obligations, at 1.1%-9.0%, due in calendar years 2021-2030", "label": "Other Long Term Debt And Capital Lease Obligations [Member]", "documentation": "Long-term debt not otherwise specified in the taxonomy, including capital lease obligations." }, "auth_ref": "us-gaap-OtherNoncashIncomeExpense", { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OtherNoncashIncomeExpense", "crdr": "credit", "calculation": { "http://www.hpe.com/role/ConsolidatedStatementsOfCashFlows", { "parentTag": "us-gaap-NetCashProvidedByUsedInOperatingActivities", "weight": 1.0, "order": 10.0 }, "presentation": { "http://www.hpe.com/role/ConsolidatedStatementsOfCashFlows", "lang": "en-us", "role": "negatedLabel", "Other, net", "label": "Other Noncash Income (Expense)", "documentation": "Amount of income (expense) included in net income that results in no cash inflow (outflow), classified as other." }, "auth_ref": "r192", "us-gaap-OtherNoncurrentAssetsMember", { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OtherNoncurrentAssetsMember", "presentation": { "http://www.hpe.com/role/FinancialInstrumentsGrossNotionalandFairValueofInstrumentsintheBalanceSheetsDetails", "http://www.hpe.com/role/FinancialInstrumentsNarrativeDetails", "lang": "en-us", "role": "terseLabel", "Long-Term Financing Receivables and Other Assets", "label": "Other Noncurrent Assets [Member]", "documentation": "Primary financial statement caption encompassing other noncurrent assets." }, "auth_ref": "us-gaap-OtherNoncurrentLiabilitiesMember", { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OtherNoncurrentLiabilitiesMember", "presentation": { "http://www.hpe.com/role/FinancialInstrumentsGrossNotionalandFairValueofInstrumentsintheBalanceSheetsDetails", "lang": "en-us", "role": "verboseLabel", "Long-Term Other Liabilities", "label": "Other Noncurrent Liabilities [Member]", "documentation": "Primary financial statement caption encompassing other noncurrent liabilities." }, "auth_ref": "us-gaap-OtherNoncurrentLiabilitiesTableTextBlock", { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OtherNoncurrentLiabilitiesTableTextBlock", "presentation": { "http://www.hpe.com/role/BalanceSheetDetailsTable", "lang": "en-us", "role": "terseLabel", "Other Non-Current Liabilities", "label": "Other Noncurrent Liabilities Table Text Block", "documentation": "Tabular disclosure of other noncurrent liabilities." }, "auth_ref": "us-gaap-OtherNonoperatingIncomeExpense", { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OtherNonoperatingIncomeExpense", "crdr": "credit", "calculation": { "http://www.hpe.com/role/ConsolidatedStatementsOfEarnings", { "parentTag": "us-gaap-IncomeLossFromContinuingOperationsBeforeIncomeTaxesExtraordinaryItemsNoncontrollingInterest", "weight": 1.0, "order": 2.0 }, "presentation": { "http://www.hpe.com/role/FinancialInstrumentsPretaxEffectofDerivativeInstrumentsonStatementofEarningsDetails", "lang": "en-us", "role": "terseLabel", "Interest and other, net", "label": "Other Nonoperating Income (Expense)", "documentation": "Amount of income (expense) related to nonoperating activities, classified as other." }, "auth_ref": "r183", "ecd-OtherPerfMeasureAmt", { "xbrltype": "decimalItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "OtherPerfMeasureAmt", "presentation": { "http://xbrl.sec.gov/ecd/role/TypDisclosure", "lang": "en-us", "role": "terseLabel", "Other Performance Measure, Amount", "label": "Other Performance Measure, Amount", "auth_ref": "r154", "hpe-OtherPlanAssetsMember", { "xbrltype": "domainItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "OtherPlanAssetsMember", "presentation": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansChangesinFairValueMeasurementsorLevel3InvestmentsfortheNonUSDefinedBenefitPlansDetails", "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansFairValueofNonUSDefinedBenefitPlanAssetsbyAssetCategoryWithintheFairValueHierarchyDetails", "lang": "en-us", "role": "terseLabel", "Other", "label": "Other Plan Assets [Member]", "documentation": "Other assets held by a defined benefit plan." }, "auth_ref": "us-gaap-OtherPostretirementBenefitPlansDefinedBenefitMember", { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OtherPostretirementBenefitPlansDefinedBenefitMember", "presentation": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansEstimatedFutureBenefitsPaymentsDetails", "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansFundedStatusofPlansDetails", "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansNarrativeDetails", "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansNetAmountsRecognizedfortheDirectPlansinCombinedandConsolidatedBalanceSheetsDetails", "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansPreTaxNetActuarialLossandPriorServiceBenefitRecognizedinAccumulatedOtherComprehensiveLossfortheD", "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansSummaryofNetBenefitCostDetails", "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansWeightedAverageAssumptionsUsedtoCalculatetheProjectedBenefitObligationsDetails", "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansWeightedAverageAssumptionsUsedtoCalculatetheProjectedBenefitObligationsforDirectPlansDetails", "lang": "en-us", "role": "terseLabel", "Post-Retirement Benefit Plans", "label": "Other Postretirement Benefits Plan [Member]", "documentation": "Plan designed to provide other postretirement benefits. Includes, but is not limited to, defined benefit and defined contribution plans. Excludes pension benefits." }, "auth_ref": "r742", "r745", "r746", "r747", "r748", "r749", "r750", "r751", "r752", "r753", "r754", "r755", "r756", "r757", "r758", "r759", "r760", "r761", "r762", "r763", "r764", "r765", "r766", "r767", "r769", "r770", "r771", "r772", "r773", "r774", "r776", "r777", "r778", "r779", "r780", "r781", "r782", "r783", "r784", "r785", "r786", "r787", "r789", "r791", "r792", "r794", "r797", "r800", "r804", "r805", "r806", "r807", "r808", "r809", "r810", "r811", "r812", "r813", "r817", "r818", "r819", "r1432", "r1433", "r1434", "r1435", "r1436", "us-gaap-OtherRestructuringCosts", { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OtherRestructuringCosts", "crdr": "debit", "calculation": { "http://www.hpe.com/role/TransformationProgramsTransformationCostsDetails", { "parentTag": "hpe-TransformationCosts", "weight": 1.0, "order": 5.0 }, "presentation": { "http://www.hpe.com/role/TransformationProgramsTransformationCostsDetails", "lang": "en-us", "role": "terseLabel", "Other", "label": "Other Restructuring Costs", "documentation": "Amount of other expenses associated with exit or disposal activities pursuant to an authorized plan. Excludes expenses associated with a discontinued operation or an asset retirement obligation." }, "auth_ref": "r17", "us-gaap-OtherSundryLiabilitiesNoncurrent", { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OtherSundryLiabilitiesNoncurrent", "crdr": "credit", "calculation": { "http://www.hpe.com/role/BalanceSheetDetailsOtherNonCurrentLiabilitiesDetails", { "parentTag": "us-gaap-OtherLiabilitiesNoncurrent", "weight": 1.0, "order": 4.0 }, "presentation": { "http://www.hpe.com/role/BalanceSheetDetailsOtherNonCurrentLiabilitiesDetails", "lang": "en-us", "role": "terseLabel", "Other", "label": "Other Sundry Liabilities, Noncurrent", "documentation": "Obligations not otherwise itemized or categorized in the footnotes to the financial statements that are expected to be paid after one year (or the normal operating cycle, if longer), from the balance sheet date." }, "auth_ref": "r154", "r242", "ecd-OutstandingAggtErrCompAmt", { "xbrltype": "monetaryItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "OutstandingAggtErrCompAmt", "presentation": { "http://xbrl.sec.gov/ecd/role/ErrCompDisclosure", "lang": "en-us", "role": "terseLabel", "Outstanding Aggregate Erroneous Compensation Amount", "label": "Outstanding Aggregate Erroneous Compensation Amount", "auth_ref": "r1509", "r1520", "r1530", "r1563", "ecd-OutstandingRecoveryCompAmt", { "xbrltype": "monetaryItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024",

"localName": "OutstandingRecoveryCompAmt", "presentation": {"http://xbrl.sec.gov/ecd/role/ErrCompDisclosure": {"lang": {"en-us": {"role": {"terseLabel": "Compensation Amount"}, "label": "Outstanding Recovery Compensation Amount"}}, "auth_ref": {"r1512": {"r1523": {"r1533": {"r1566": {"ecd.OutstandingRecoveryIndName": {"xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localName": "OutstandingRecoveryIndName", "presentation": {"http://xbrl.sec.gov/ecd/role/ErrCompDisclosure": {"lang": {"en-us": {"role": {"terseLabel": "Name"}, "label": "Outstanding Recovery, Individual Name"}}, "auth_ref": {"r1512": {"r1523": {"r1533": {"r1566": {"us-gaap.ParentMember": {"xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localName": "ParentMember", "presentation": {"http://www.hpe.com/role/ConsolidatedStatementsOfStockholdersEquity": {"lang": {"en-us": {"role": {"terseLabel": "Equity Attributable to the Company"}, "label": "Parent [Member]"}, "documentation": "Portion of equity, or net assets, in the consolidated entity attributable, directly or indirectly, to the parent. Excludes noncontrolling interests."}}, "auth_ref": {}}, "us-gaap.PastDueFinancingReceivablesTableTextBlock": {"xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localName": "PastDueFinancingReceivablesTableTextBlock", "presentation": {"http://www.hpe.com/role/AccountingForLeasesasLessorTables": {"lang": {"en-us": {"role": {"terseLabel": "Summary of the Aging and Non-accrual Status of Gross Financing Receivables"}, "label": "Financing Receivable, Past Due [Table Text Block]"}, "documentation": "Tabular disclosure of aging analysis for financing receivable."}}, "auth_ref": {"r267": {"r270": {"r415": {"r691": {"ecd.PayVsPerformanceDisclosureLineItems": {"xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localName": "PayVsPerformanceDisclosureLineItems", "lang": {"en-us": {"role": {"label": "Pay vs Performance Disclosure [Line Items]"}}, "auth_ref": {"r1537": {"us-gaap.PaymentsForHedgeFinancingActivities": {"xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localName": "PaymentsForHedgeFinancingActivities", "crdr": "credit", "calculation": {"http://www.hpe.com/role/ConsolidatedStatementsOfCashFlows": {"parentTag": "us-gaap.NetCashProvidedByUsedInFinancingActivities", "weight": -1.0, "order": 8.0}}, "presentation": {"http://www.hpe.com/role/ConsolidatedStatementsOfCashFlows": {"lang": {"en-us": {"role": {"negatedTerseLabel": "Cash settlement for derivative hedging debt"}, "label": "Payments for Hedge, Financing Activities"}, "documentation": "The cash outflow for a financial contract that meets the hedge criteria as either cash flow hedge, fair value hedge or hedge of net investment in foreign operations."}}, "auth_ref": {"r404": {"r1593": {"us-gaap.PaymentsForRepurchaseOfCommonStock": {"xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localName": "PaymentsForRepurchaseOfCommonStock", "crdr": "credit", "calculation": {"http://www.hpe.com/role/ConsolidatedStatementsOfCashFlows": {"parentTag": "us-gaap.NetCashProvidedByUsedInFinancingActivities", "weight": -1.0, "order": 7.0}}, "presentation": {"http://www.hpe.com/role/ConsolidatedStatementsOfCashFlows": {"lang": {"en-us": {"role": {"negatedTerseLabel": "Repurchase of common stock"}, "label": "Payments for Repurchase of Common Stock"}, "documentation": "The cash outflow to reacquire common stock during the period."}}, "auth_ref": {"r188": {"us-gaap.PaymentsForRestructuring": {"xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localName": "PaymentsForRestructuring", "crdr": "credit", "presentation": {"http://www.hpe.com/role/TransformationProgramsScheduleOfRestructuringActivitiesDetails": {"lang": {"en-us": {"role": {"negatedTerseLabel": "Cash payments"}, "label": "Payments for Restructuring"}, "documentation": "Amount of cash payments made as the result of exit or disposal activities. Excludes payments associated with a discontinued operation or an asset retirement obligation."}}, "auth_ref": {"r641": {"r1637": {"us-gaap.PaymentsOfDividendsCommonStock": {"xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localName": "PaymentsOfDividendsCommonStock", "crdr": "credit", "calculation": {"http://www.hpe.com/role/ConsolidatedStatementsOfCashFlows": {"parentTag": "us-gaap.NetCashProvidedByUsedInFinancingActivities", "weight": -1.0, "order": 5.0}}, "presentation": {"http://www.hpe.com/role/ConsolidatedStatementsOfCashFlows": {"lang": {"en-us": {"role": {"negatedLabel": "Cash dividends paid to shareholders"}, "label": "Payments of Ordinary Dividends, Common Stock"}, "documentation": "Amount of cash outflow in the form of ordinary dividends to common shareholders of the parent entity."}}, "auth_ref": {"r188": {"us-gaap.PaymentsOfDividendsMinorityInterest": {"xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localName": "PaymentsOfDividendsMinorityInterest", "crdr": "credit", "calculation": {"http://www.hpe.com/role/ConsolidatedStatementsOfCashFlows": {"parentTag": "us-gaap.NetCashProvidedByUsedInFinancingActivities", "weight": -1.0, "order": 4.0}}, "presentation": {"http://www.hpe.com/role/ConsolidatedStatementsOfCashFlows": {"lang": {"en-us": {"role": {"negatedLabel": "Cash dividends paid to non-controlling interests, net of contributions"}, "label": "Payments of Ordinary Dividends, Noncontrolling Interest"}, "documentation": "Amount of cash outflow in the form of ordinary dividends provided by the non-wholly owned subsidiary to noncontrolling interests."}}, "auth_ref": {"r188": {"us-gaap.PaymentsOffinancingCosts": {"xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localName": "PaymentsOffinancingCosts", "crdr": "credit", "presentation": {"http://www.hpe.com/role/BorrowingsNarrativeDetails": {"lang": {"en-us": {"role": {"terseLabel": "Payments of financing costs"}, "label": "Payments of Financing Costs"}, "documentation": "The cash outflow for loan and debt issuance costs."}}, "auth_ref": {"r150": {"us-gaap.PaymentsOfStockIssuanceCosts": {"xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localName": "PaymentsOfStockIssuanceCosts", "crdr": "credit", "presentation": {"http://www.hpe.com/role/StockholdersEquityNarrativeDetails": {"lang": {"en-us": {"role": {"terseLabel": "Stock issuance costs"}, "label": "Payments of Stock Issuance Costs"}, "documentation": "The cash outflow for cost incurred directly with the issuance of an equity security."}}, "auth_ref": {"r150": {"us-gaap.PaymentsRelatedToTaxWithholdingForShareBasedCompensation": {"xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localName": "PaymentsRelatedToTaxWithholdingForShareBasedCompensation", "crdr": "credit", "calculation": {"http://www.hpe.com/role/ConsolidatedStatementsOfCashFlows": {"parentTag": "us-gaap.NetCashProvidedByUsedInFinancingActivities", "weight": -1.0, "order": 6.0}}, "presentation": {"http://www.hpe.com/role/ConsolidatedStatementsOfCashFlows": {"lang": {"en-us": {"role": {"negatedTerseLabel": "Net payments related to stock-based award activities"}, "label": "Payment, Tax Withholding, Share-Based Payment Arrangement"}, "documentation": "Amount of cash outflow to satisfy grantee's tax withholding obligation for award under share-based payment arrangement."}}, "auth_ref": {"r399": {"us-gaap.PaymentsToAcquireBusinessesNetOfCashAcquired": {"xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localName": "PaymentsToAcquireBusinessesNetOfCashAcquired", "crdr": "credit", "calculation": {"http://www.hpe.com/role/ConsolidatedStatementsOfCashFlows": {"parentTag": "us-gaap.NetCashProvidedByUsedInInvestingActivities", "weight": -1.0, "order": 7.0}}, "presentation": {"http://www.hpe.com/role/ConsolidatedStatementsOfCashFlows": {"lang": {"en-us": {"role": {"negatedLabel": "Payments made in connection with business acquisitions, net of cash acquired"}, "label": "Payments to Acquire Businesses, Net of Cash Acquired"}, "documentation": "The cash outflow associated with the acquisition of a business, net of the cash acquired from the purchase."}}, "auth_ref": {"r49": {"us-gaap.PaymentsToAcquireMarketableSecurities": {"xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localName": "PaymentsToAcquireMarketableSecurities", "crdr": "credit", "calculation": {"http://www.hpe.com/role/ConsolidatedStatementsOfCashFlows": {"parentTag": "us-gaap.NetCashProvidedByUsedInInvestingActivities", "weight": -1.0, "order": 3.0}}, "presentation": {"http://www.hpe.com/role/ConsolidatedStatementsOfCashFlows": {"lang": {"en-us": {"role": {"negatedLabel": "Purchases of investments"}, "label": "Payments to Acquire Marketable Securities"}, "documentation": "Amount of cash outflow for purchase of marketable security."}}, "auth_ref": {"r1673": {"us-gaap.PaymentsToAcquireProductiveAssets": {"xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localName": "PaymentsToAcquireProductiveAssets", "crdr": "credit", "calculation": {"http://www.hpe.com/role/ConsolidatedStatementsOfCashFlows": {"parentTag": "us-gaap.NetCashProvidedByUsedInInvestingActivities", "weight": -1.0, "order": 1.0}}, "presentation": {"http://www.hpe.com/role/ConsolidatedStatementsOfCashFlows": {"lang": {"en-us": {"role": {"negatedLabel": "Investment in property, plant and equipment and software assets"}, "label": "Payments to Acquire Productive Assets"}, "documentation": "The cash outflow for purchases of and capital improvements on property, plant and equipment (capital expenditures), software, and other intangible assets."}}, "auth_ref": {"r276": {"r1860": {"r1861": {"r1862": {"hpe.PaymentsforCollateralPosted": {"xbrltype": "monetaryItemType", "nsuri": "http://www.hpe.com/20241031", "localName": "PaymentsforCollateralPosted", "crdr": "credit", "calculation": {"http://www.hpe.com/role/ConsolidatedStatementsOfCashFlows": {"parentTag": "us-gaap.NetCashProvidedByUsedInInvestingActivities", "weight": -1.0, "order": 5.0}}, "presentation": {"http://www.hpe.com/role/ConsolidatedStatementsOfCashFlows": {"lang": {"en-us": {"role": {"negatedTerseLabel": "Financial collateral posted"}, "label": "Payments for Collateral Posted"}, "documentation": "Payments for Collateral Posted"}}, "auth_ref": {}}, "ecd.PeerGroupIssuersFnTextBlock": {"xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localName": "PeerGroupIssuersFnTextBlock", "presentation": {"http://xbrl.sec.gov/ecd/role/PvpDisclosure": {"lang": {"en-us": {"role": {"terseLabel": "Peer Group Issuers, Footnote"}, "label": "Peer Group Issuers, Footnote [Text Block]"}}, "auth_ref": {"r1547": {"ecd.PeerGroupTotalShareholderRtnAmt": {"xbrltype": "monetaryItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localName": "PeerGroupTotalShareholderRtnAmt", "presentation": {"http://xbrl.sec.gov/ecd/role/PvpDisclosure": {"lang": {"en-us": {"role": {"terseLabel": "Peer Group Total Shareholder Return Amount"}, "label": "Peer Group Total Shareholder Return Amount"}}, "auth_ref": {"r1547": {"us-gaap.PensionAndOtherPostretirementAndPostemploymentBenefitPlansLiabilitiesNoncurrent": {"xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localName": "PensionAndOtherPostretirementAndPostemploymentBenefitPlansLiabilitiesNoncurrent", "crdr": "credit", "calculation": {"http://www.hpe.com/role/BalanceSheetDetailsOtherNonCurrentLiabilitiesDetails": {"parentTag": "us-gaap.OtherLiabilitiesNoncurrent", "weight": -1.0, "order": 1.0}}, "presentation": {"http://www.hpe.com/role/BalanceSheetDetailsOtherNonCurrentLiabilitiesDetails": {"lang": {"en-us": {"role": {"terseLabel": "Pension, post-retirement, and post-employment"}, "label": "Liability, Pension and Other Postretirement and Postemployment Benefits, Noncurrent"}, "documentation": "Amount of liability, recognized in statement of financial position, for pension, other postretirement and postemployment benefits, classified as noncurrent."}}, "auth_ref": {"r87": {"r88": {"r154": {"r214": {"us-gaap.PensionAndOtherPostretirementBenefitsDisclosureTextBlock": {"xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localName": "PensionAndOtherPostretirementBenefitsDisclosureTextBlock", "presentation": {"http://www.hpe.com/role/RetirementandPostRetirementBenefitPlans": {"lang": {"en-us": {"role": {"terseLabel": "Retirement and Post-Retirement Benefit Plans"}, "label": "Retirement Benefits [Text Block]"}, "documentation": "The entire disclosure for retirement benefits."}}, "auth_ref": {"r741": {"r766": {"r768": {"r774": {"r793": {"r795": {"r796": {"r797": {"r798": {"r799": {"r814": {"r815": {"r817": {"r1432": {"us-gaap.PensionAndOtherPostretirementDefinedBenefitPlansCurrentLiabilities": {"xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localName": "PensionAndOtherPostretirementDefinedBenefitPlansCurrentLiabilities", "crdr": "credit", "calculation": {"http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansNetAmountsRecognizedfortheDirectPlansinCombinedandConsolidatedBalanceSheetsDetails": {"parentTag": "us-gaap.DefinedBenefitPlanFundedStatusOfPlan", "weight": -1.0, "order": 2.0}}, "presentation": {"http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansNetAmountsRecognizedfortheDirectPlansinCombinedandConsolidatedBalanceSheetsDetails": {"lang": {"en-us": {"role": {"negatedTerseLabel": "Current liabilities"}, "label": "Liability, Defined Benefit Plan, Current"}, "documentation": "Amount of liability, recognized in statement of financial position, for defined benefit pension and other postretirement plans, classified as current."}}, "auth_ref": {"r150": {"r742": {"r743": {"r765": {"r1432": {"us-gaap.PensionAndOtherPostretirementDefinedBenefitPlansLiabilitiesNoncurrent": {"xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localName": "PensionAndOtherPostretirementDefinedBenefitPlansLiabilitiesNoncurrent", "crdr": "credit", "calculation": {"http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansNetAmountsRecognizedfortheDirectPlansinCombinedandConsolidatedBalanceSheetsDetails": {"parentTag": "us-gaap.DefinedBenefitPlanFundedStatusOfPlan", "weight": -1.0, "order": 3.0}}, "presentation": {"http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansNetAmountsRecognizedfortheDirectPlansinCombinedandConsolidatedBalanceSheetsDetails": {"lang": {"en-us": {"role": {"negatedTerseLabel": "Non-current liabilities"}, "label": "Liability, Defined Benefit Plan, Noncurrent"}, "documentation": "Amount of liability, recognized in statement of financial position, for defined benefit pension and other postretirement plans, classified as noncurrent."}}, "auth_ref": {"r154": {"r742": {"r743": {"r765": {"r1432": {"us-gaap.PensionAndOtherPostretirementPlansPensionsPolicy": {"xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localName": "PensionAndOtherPostretirementPlansPensionsPolicy", "presentation": {"http://www.hpe.com/role/OverviewandSummaryofSignificantAccountingPoliciesPolicies": {"lang": {"en-us": {"role": {"terseLabel": "Pension and Other Postretirement Plans"}, "label": "Pension and Other Postretirement Plans, Pensions, Policy [Policy Text Block]"}, "documentation": "Disclosure of accounting policy for pension plans. This accounting policy may address (1) the types of plans sponsored by the entity (2) groups that participate in (or are covered by) each plan (3) how plan assets, liabilities and expenses are measured, including the use of any actuaries and (4) significant assumptions used by the entity to value plan assets and liabilities and how such assumptions are derived."}}, "auth_ref": {"r22": {"r23": {"r32": {"r93": {"us-gaap.PensionAndOtherPostretirementPlansPolicy": {"xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localName": "PensionAndOtherPostretirementPlansPolicy", "presentation": {"http://www.hpe.com/role/OverviewandSummaryofSignificantAccountingPoliciesPolicies": {"lang": {"en-us": {"role": {"terseLabel": "Retirement and Post-Retirement Plans"}, "label": "Pension and Other Postretirement Plans, Policy [Policy Text Block]"}, "documentation": "Disclosure of accounting policy for pension and other postretirement benefit plans. This accounting policy may address (1) the types of plans sponsored by the entity, and the benefits provided by each plan (2) groups that participate in (or are covered by) each plan (3) how plan assets, liabilities and expenses are measured, including the use of any actuaries and (4) significant assumptions used by the entity to value plan assets and liabilities and how such assumptions are derived."}}, "auth_ref": {"r22": {"r23": {"r24": {"r32": {"r93": {"us-gaap.PensionPlansDefinedBenefitMember": {"xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localName": "PensionPlansDefinedBenefitMember", "presentation": {"http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansChangesinFairValueMeasurementsOfLevel3InvestmentsfortheNonUSDefinedBenefitPlansDetails": {"http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansDirectDefinedBenefitPlanswithAccumulatedBenefitObligationsExceedingtheFairValueofPlanAssetsDetails": {"http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansDirectDefinedBenefitPlanswithProjectedBenefitObligationsExceedingtheFairValueofPlanAssetsDetails": {"http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansEstimatedFutureBenefitsPaymentsDetails": {"http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansFairValueofNonUSDefinedBenefitPlanAssetsbyAssetCategoryWithintheFairValueHierarchyDetails": {"http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansFundedStatusOfPlansDetails":

"http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansNarrativeDetails",
"http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansNetAmountsRecognizedfortheDirectPlansinCombinedandConsolidatedBalanceSheetsDetails",
"http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansPreTaxNetActuarialLossandPriorServiceBenefitRecognizedinAccumulatedOtherComprehensiveLossfortheE",
"http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansSummaryofNetBenefitCostDetails",
"http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansWeightedAverageAssumptionsUsedtoCalculatetheProjectedBenefitObligationsDetails",
"http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansWeightedAverageAssumptionsUsedtoCalculatetheProjectedBenefitObligationsforDirectPlansDetails",
"http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansWeightedAverageTargetandActualAssetAllocationsAcrossNonUSDefinedBenefitPlansDetails"},"lang":{"en-us":{"role":{"terseLabel":{"Defined Benefit Plans"},"label":{"Pension Plan [Member]"},"documentation":{"Plan designed to provide participant with pension benefits. Includes, but is not limited to, defined benefit and defined contribution plans. Excludes other postretirement benefits."}}},"auth_ref":{"r742","r745","r746","r747","r748","r749","r750","r751","r752","r753","r754","r755","r756","r757","r758","r759","r760","r761","r762","r763","r764","r765","r766","r767","r769","r770","r771","r772","r773","r774","r775","r776","r777","r778","r779","r780","r781","r782","r783","r784","r785","r786","r787","r789","r791","r792","r794","r797","r800","r804","r805","r806","r807","r808","r809","r810","r811","r812","r813","r817","r818","r829","r832","r833","r834","r835","r836","r837","r838","r839","r840","r841","r842","r843"},"us-gaap_PlanNameAxis":{"xbrltype":{"stringItemType"},"nsuri":{"http://fasb.org/us-gaap/2024"},"localname":{"PlanNameAxis"},"presentation":{"http://www.hpe.com/role/StockBasedCompensationNarrativeDetails"},"lang":{"en-us":{"role":{"terseLabel":{"PEO Total Compensation Amount"},"label":{"PEO Total Compensation Amount"}}},"auth_ref":{"r1539"}}, "ecd_PeoActuallyPaidCompAmt":{"xbrltype":{"monetaryItemType"},"nsuri":{"http://xbrl.sec.gov/ecd/2024"},"localname":{"PcoActuallyPaidCompAmt"},"presentation":{"http://xbrl.sec.gov/ecd/role/PvpDisclosure"},"lang":{"en-us":{"role":{"terseLabel":{"PEO Actually Paid Compensation Amount"},"label":{"PEO Actually Paid Compensation Amount"}}},"auth_ref":{"r1539"}}, "ecd_PeoMember":{"xbrltype":{"domainItemType"},"nsuri":{"http://xbrl.sec.gov/ecd/2024"},"localname":{"PcoMember"},"presentation":{"http://xbrl.sec.gov/ecd/role/PvpDisclosure"},"lang":{"en-us":{"role":{"terseLabel":{"PEO"},"label":{"PEO [Member]"}}},"auth_ref":{"r1556"}}, "ecd_PeoName":{"xbrltype":{"normalizedStringItemType"},"nsuri":{"http://xbrl.sec.gov/ecd/2024"},"localname":{"PcoName"},"presentation":{"http://xbrl.sec.gov/ecd/role/PvpDisclosure"},"lang":{"en-us":{"role":{"terseLabel":{"PEO Name"},"label":{"PEO Name"}}},"auth_ref":{"r1549"}}, "ecd_PeoTotalCompAmt":{"xbrltype":{"monetaryItemType"},"nsuri":{"http://xbrl.sec.gov/ecd/2024"},"localname":{"PcoTotalCompAmt"},"presentation":{"http://xbrl.sec.gov/ecd/role/PvpDisclosure"},"lang":{"en-us":{"role":{"terseLabel":{"PEO Total Compensation Amount"},"label":{"PEO Total Compensation Amount"}}},"auth_ref":{"r1538"}}, "us-gaap_PlanAssetCategoriesDomain":{"xbrltype":{"domainItemType"},"nsuri":{"http://fasb.org/us-gaap/2024"},"localname":{"PlanAssetCategoriesDomain"},"presentation":{"http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansChangesinFairValueMeasurementsOfLevel3InvestmentsfortheNonUSDefinedBenefitPlansDetails"},"lang":{"en-us":{"role":{"terseLabel":{"Defined Benefit Plan, Plan Assets, Category [Domain]"},"label":{"Defined Benefit Plan, Plan Assets, Category [Domain]"},"documentation":{"Defined benefit plan asset investment."}}},"auth_ref":{"r766","r767","r769","r770","r771","r772","r773","r774","r794","r1430","r1431","r1432"}}, "us-gaap_PlanNameAxis":{"xbrltype":{"stringItemType"},"nsuri":{"http://fasb.org/us-gaap/2024"},"localname":{"PlanNameAxis"},"presentation":{"http://www.hpe.com/role/StockBasedCompensationNarrativeDetails"},"lang":{"en-us":{"role":{"terseLabel":{"Plan Name [Axis]"},"label":{"Plan Name [Axis]"},"documentation":{"Information by plan name for share-based payment arrangement."}}},"auth_ref":{"r1818","r1819","r1820","r1821","r1822","r1823","r1824","r1825","r1826","r1827","r1828","r1829","r1830","r1831","r1832","r1833","r1834","r1835","r1836","r1837","r1838","r1839","r1840","r1841","r1842","r1843"}}, "us-gaap_PlanDomain":{"xbrltype":{"domainItemType"},"nsuri":{"http://fasb.org/us-gaap/2024"},"localname":{"PlanNameDomain"},"presentation":{"http://www.hpe.com/role/StockBasedCompensationNarrativeDetails"},"lang":{"en-us":{"role":{"terseLabel":{"Plan Name [Domain]"},"label":{"Plan Name [Domain]"},"documentation":{"Plan name for share-based payment arrangement."}}},"auth_ref":{"r1818","r1819","r1820","r1821","r1822","r1823","r1824","r1825","r1826","r1827","r1828","r1829","r1830","r1831","r1832","r1833","r1834","r1835","r1836","r1837","r1838","r1839","r1840","r1841","r1842","r1843"}}, "ecd_PnsnAdjsPrvSvcCstMember":{"xbrltype":{"domainItemType"},"nsuri":{"http://xbrl.sec.gov/ecd/2024"},"localname":{"PnsnAdjsPrvSvcCstMember"},"presentation":{"http://xbrl.sec.gov/ecd/role/PvpDisclosure"},"lang":{"en-us":{"role":{"terseLabel":{"Pension Adjustments Prior Service Cost"},"label":{"Pension Adjustments Prior Service Cost [Member]}}},"auth_ref":{"r1540"}}, "ecd_PnsnAdjsSvcCstMember":{"xbrltype":{"domainItemType"},"nsuri":{"http://xbrl.sec.gov/ecd/2024"},"localname":{"PnsnAdjsSvcCstMember"},"presentation":{"http://xbrl.sec.gov/ecd/role/PvpDisclosure"},"lang":{"en-us":{"role":{"terseLabel":{"Pension Adjustments Service Cost"},"label":{"Pension Adjustments Service Cost [Member]}}},"auth_ref":{"r1585"}}, "ecd_PnsnBnftsAdjFnTextBlock":{"xbrltype":{"textBlockItemType"},"nsuri":{"http://xbrl.sec.gov/ecd/2024"},"localname":{"PnsnBnftsAdjFnTextBlock"},"presentation":{"http://xbrl.sec.gov/ecd/role/PvpDisclosure"},"lang":{"en-us":{"role":{"terseLabel":{"Pension Benefits Adjustments, Footnote"},"label":{"Pension Benefits Adjustments, Footnote [Text Block]}}},"auth_ref":{"r1539"}}, "us-gaap_PortionAtFairValueFairValueDisclosureMember":{"xbrltype":{"domainItemType"},"nsuri":{"http://fasb.org/us-gaap/2024"},"localname":{"PortionAtFairValueFairValueDisclosureMember"},"presentation":{"http://www.hpe.com/role/FinancialInstrumentsCashEquivalentsandAvailableforSaleInvestmentsDetails"},"lang":{"en-us":{"role":{"terseLabel":{"Portion at Fair Value Measurement"},"label":{"Portion at Fair Value Measurement [Member]"},"documentation":{"Measured at fair value for financial reporting purposes."}}},"auth_ref":{"r990"}}, "us-gaap_PreferredStockConvertibleConversionRatio":{"xbrltype":{"pureItemType"},"nsuri":{"http://fasb.org/us-gaap/2024"},"localname":{"PreferredStockConvertibleConversionRatio"},"presentation":{"http://www.hpe.com/role/StockholdersEquityNarrativeDetails"},"lang":{"en-us":{"role":{"terseLabel":{"Preferred stock conversion ratio"},"label":{"Preferred Stock, Convertible, Conversion Ratio"},"documentation":{"Number of common shares issuable upon conversion for each share of preferred stock to be converted."}}},"auth_ref":{"r719"}}, "us-gaap_PreferredStockDividendRatePercentage":{"xbrltype":{"percentItemType"},"nsuri":{"http://fasb.org/us-gaap/2024"},"localname":{"PreferredStockDividendRatePercentage"},"presentation":{"http://www.hpe.com/role/AcquisitionsandDispositionsNarrativeDetails"},"lang":{"en-us":{"role":{"terseLabel":{"Preferred Stock Dividend Rate Percentage"},"label":{"Preferred Stock Dividend Rate Percentage [Member]"},"documentation":{"The percentage rate used to calculate dividend payments on preferred stock."}}},"auth_ref":{"r718","r1284","r1305","r1309","r1349"}}, "us-gaap_PreferredStockDividendsPerShareDeclared":{"xbrltype":{"perShareItemType"},"nsuri":{"http://fasb.org/us-gaap/2024"},"localname":{"PreferredStockDividendsPerShareDeclared"},"presentation":{"http://www.hpe.com/role/ConsolidatedStatementsOfStockholdersEquityNarrativeDetails"},"lang":{"en-us":{"role":{"terseLabel":{"Cash dividends declared on preferred stock per share (in dollars per share)"},"label":{"Preferred Stock, Dividends Per Share, Declared"},"documentation":{"Aggregate dividends declared during the period for each share of preferred stock outstanding."}}},"auth_ref":{"r80","r81","r158","r1640","r1749"}}, "us-gaap_PreferredStockMember":{"xbrltype":{"domainItemType"},"nsuri":{"http://fasb.org/us-gaap/2024"},"localname":{"PreferredStockMember"},"presentation":{"http://www.hpe.com/role/ConsolidatedStatementsOfStockholdersEquityNarrativeDetails"},"lang":{"en-us":{"role":{"terseLabel":{"Preferred stock, par value (in USD per share)"},"label":{"Preferred Stock, Par or Stated Value Per Share"},"documentation":{"Face amount or stated value per share of preferred stock nonredeemable or redeemable solely at the option of the issuer."}}},"auth_ref":{"r158","r1747"}}, "us-gaap_PreferredStockSharesIssued":{"xbrltype":{"sharesItemType"},"nsuri":{"http://fasb.org/us-gaap/2024"},"localname":{"PreferredStockSharesIssued"},"presentation":{"http://www.hpe.com/role/ConsolidatedBalanceSheetsParentetical"},"lang":{"en-us":{"role":{"terseLabel":{"Preferred stock, shares issued (in shares)"},"label":{"Preferred Stock, Shares Issued"},"documentation":{"Number of shares issued for nonredeemable preferred shares and preferred shares redeemable solely at option of issuer. Includes, but is not limited to, preferred shares issued, repurchased, and held as treasury shares. Excludes preferred shares classified as debt."}}},"auth_ref":{"r158","r1747"}}, "us-gaap_PreferredStockSharesOutstanding":{"xbrltype":{"sharesItemType"},"nsuri":{"http://fasb.org/us-gaap/2024"},"localname":{"PreferredStockSharesOutstanding"},"presentation":{"http://www.hpe.com/role/ConsolidatedBalanceSheetsParentetical"},"lang":{"en-us":{"role":{"terseLabel":{"Preferred stock, shares outstanding (in shares)"},"label":{"Preferred Stock, Shares Outstanding"},"documentation":{"Aggregate share number for all nonredeemable preferred stock (for preferred stock redeemable solely at the option of the issuer) held by stockholders. Does not include preferred shares that have been repurchased."}}},"auth_ref":{"r158","r1747"}}, "us-gaap_PreferredStockValueOutstanding":{"xbrltype":{"monetaryItemType"},"nsuri":{"http://fasb.org/us-gaap/2024"},"localname":{"PreferredStockValueOutstanding"},"presentation":{"http://www.hpe.com/role/ConsolidatedBalanceSheets"},"lang":{"en-us":{"role":{"terseLabel":{"Preferred stock value outstanding"},"label":{"Preferred Stock, Value, Outstanding"},"documentation":{"Value of nonredeemable preferred shares and preferred shares redeemable solely at option of issuer, held by shareholders. Excludes preferred shares repurchased and held as treasury shares."}}},"auth_ref":{"r158","r1747"}}, "us-gaap_PrivateEquityFundsMember":{"xbrltype":{"domainItemType"},"nsuri":{"http://fasb.org/us-gaap/2024"},"localname":{"PrivateEquityFundsMember"},"presentation":{"http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansChangesinFairValueMeasurementsOfLevel3InvestmentsfortheNonUSDefinedBenefitPlansDetails"},"lang":{"en-us":{"role":{"terseLabel":{"Private Equity"},"label":{"Private Equity [Member]"},"documentation":{"Investments held in private equity funds."}}},"auth_ref":{"r1449","r1451","r1776"}}, "us-gaap_ProceedsFromDebtNetOfIssuanceCosts":{"xbrltype":{"monetaryItemType"},"nsuri":{"http://fasb.org/us-gaap/2024"},"localname":{"ProceedsFromDebtNetOfIssuanceCosts"},"crdr":{"debit"},"calculation":{"http://www.hpe.com/role/ConsolidatedStatementsOfCashFlows"},"parentTag":{"us-gaap_NetCashProvidedByUsedInFinancingActivities"},"weight":{"1.0"},"order":{"2.0"}}, "presentation":{"http://www.hpe.com/role/ConsolidatedStatementsOfCashFlows"},"lang":{"en-us":{"role":{"terseLabel":{"Proceeds from debt, net of issuance costs"},"label":{"Proceeds from Debt, Net of Issuance Costs"},"documentation":{"The cash inflow from additional borrowings, net of cash paid to third parties in connection with debt origination."}}},"auth_ref":{"r398"}}, "us-gaap_ProceedsFromDivestitureOfBusinesses":{"xbrltype":{"monetaryItemType"},"nsuri":{"http://fasb.org/us-gaap/2024"},"localname":{"ProceedsFromDivestitureOfBusinesses"},"crdr":{"debit"},"presentation":{"http://www.hpe.com/role/AcquisitionsandDispositionsNarrativeDetails"},"lang":{"en-us":{"role":{"terseLabel":{"Proceeds from divestiture of businesses"},"label":{"Proceeds from Divestiture of Businesses"},"documentation":{"The cash inflow associated with the amount received from the sale of a portion of the company's business, for example a segment, division, branch or other business, during the period."}}},"auth_ref":{"r48"}}, "us-gaap_ProceedsFromDividendsReceived":{"xbrltype":{"monetaryItemType"},"nsuri":{"http://fasb.org/us-gaap/2024"},"localname":{"ProceedsFromDividendsReceived"},"crdr":{"debit"},"presentation":{"http://www.hpe.com/role/EquityInterestsNarrativeDetails"},"lang":{"en-us":{"role":{"terseLabel":{"Cash dividend"},"label":{"Proceeds from Dividends Received"},"documentation":{"Dividends received on equity and other investments during the current period."}}},"auth_ref":{"r1636"}}, "us-gaap_ProceedsFromIssuanceOfPreferredStockAndPreferenceStock":{"xbrltype":{"monetaryItemType"},"nsuri":{"http://fasb.org/us-gaap/2024"},"localname":{"ProceedsFromIssuanceOfPreferredStockAndPreferenceStock"},"crdr":{"debit"},"calculation":{"http://www.hpe.com/role/ConsolidatedStatementsOfCashFlows"},"parentTag":{"us-gaap_NetCashProvidedByUsedInFinancingActivities"},"weight":{"1.0"},"order":{"9.0"}}, "presentation":{"http://www.hpe.com/role/ConsolidatedStatementsOfCashFlows"},"lang":{"en-us":{"role":{"terseLabel":{"Proceeds from issuance of 7.625% Series C mandatory convertible preferred stock, net of issuance costs"},"label":{"Proceeds from Issuance of Preferred Stock and Preference Stock"},"documentation":{"Proceeds from issuance of capital stock which provides for a specific dividend that is paid to the shareholders before any dividends to common stockholders and which takes precedence over common stockholders in the event of liquidation."}}},"auth_ref":{"r10"}}, "us-gaap_ProceedsFromRepaymentsOfShortTermDebt":{"xbrltype":{"monetaryItemType"},"nsuri":{"http://fasb.org/us-gaap/2024"},"localname":{"ProceedsFromRepaymentsOfShortTermDebt"},"crdr":{"debit"},"calculation":{"http://www.hpe.com/role/ConsolidatedStatementsOfCashFlows"},"parentTag":{"us-gaap_NetCashProvidedByUsedInFinancingActivities"},"weight":{"1.0"},"order":{"1.0"},"presentation":{"http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansNarrativeDetails"},

"http://www.hpe.com/role/ConsolidatedStatementsOfCashFlows", "lang": "en-us", "role": "terseLabel", "Short-term borrowings with original maturities less than 90u00a0days, net", "label": "Proceeds from (Repayments of) Short-Term Debt", "documentation": "The net cash inflow or outflow for borrowing having initial term of repayment within one year or the normal operating cycle, if longer.", "auth_ref": "r1", "us-gaap_ProceedsFromSaleMaturityAndCollectionsOfInvestments", "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ProceedsFromSaleMaturityAndCollectionsOfInvestments", "crdr": "debit", "calculation": "http://www.hpe.com/role/ConsolidatedStatementsOfCashFlows", "parentTag": "us-gaap_NetCashProvidedByUsedInInvestingActivities", "weight": 1.0, "order": 4.0 } }
"presentation": "http://www.hpe.com/role/ConsolidatedStatementsOfCashFlows", "http://www.hpe.com/role/FinancialInstrumentsNarrativeDetails", "lang": "en-us", "role": "terseLabel", "Proceeds from maturities and sales of investments", "label": "Proceeds from Sale, Maturity and Collection of Investments", "documentation": "The cash inflow associated with the sale, maturity and collection of all investments such as debt, security and so forth during the period.", "auth_ref": "r47", "us-gaap_ProceedsFromSaleOfProductiveAssets", "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ProceedsFromSaleOfProductiveAssets", "crdr": "debit", "calculation": "http://www.hpe.com/role/ConsolidatedStatementsOfCashFlows", "parentTag": "us-gaap_NetCashProvidedByUsedInInvestingActivities", "weight": 1.0, "order": 2.0 } }
"presentation": "http://www.hpe.com/role/ConsolidatedStatementsOfCashFlows", "http://www.hpe.com/role/FinancialInstrumentsNarrativeDetails", "lang": "en-us", "role": "terseLabel", "Proceeds from sale of property, plant and equipment", "label": "Proceeds from Sale of Productive Assets", "documentation": "The cash inflow from the sale of property, plant and equipment (capital expenditures), software, and other intangible assets.", "auth_ref": "r187", "hpe_ProceedsfromCollateralReturned", "monetaryItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "ProceedsfromCollateralReturned", "crdr": "debit", "calculation": "http://www.hpe.com/role/ConsolidatedStatementsOfCashFlows", "parentTag": "us-gaap_NetCashProvidedByUsedInInvestingActivities", "weight": 1.0, "order": 6.0 } }
"presentation": "http://www.hpe.com/role/ConsolidatedStatementsOfCashFlows", "lang": "en-us", "role": "terseLabel", "Financial collateral received", "label": "Proceeds from Collateral Returned", "documentation": "Proceeds from Collateral Returned", "auth_ref": "r1", "us-gaap_ProductMember", "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ProductMember", "presentation": "http://www.hpe.com/role/ConsolidatedStatementsOfEarnings", "lang": "en-us", "role": "terseLabel", "Products", "label": "Product [Member]", "documentation": "Article or substance produced by nature, labor or machinery.", "auth_ref": "r1427", "srt_ProductOrServiceAxis", "xbrltype": "stringItemType", "nsuri": "http://fasb.org/srt/2024", "localname": "ProductOrServiceAxis", "presentation": "http://www.hpe.com/role/ConsolidatedStatementsOfEarnings", "lang": "en-us", "role": "terseLabel", "Product and Service [Axis]", "label": "Product and Service [Axis]", "documentation": "Information by product and service, or group of similar products and similar services.", "auth_ref": "r311", "r312", "r313", "r314", "r315", "r316", "r339", "r499", "r1083", "r1164", "r1165", "r1166", "r1167", "r1168", "r1169", "r1170", "r1386", "r1427", "r1472", "r1474", "r1475", "r1479", "r1481", "r1620", "r1733", "r1734", "r1752", "r1915", "r1919", "r1920", "r1921", "r1922", "r1923", "r1924", "r1925", "r1926", "r1927", "r1928", "r1929", "r1930", "r1931", "r1932", "r1933", "r1934", "r1935", "r1936", "r1937", "r1938", "r1939", "r1940", "r1941", "r1942", "r1943", "r1944", "r1946", "r1947", "us-gaap_ProductWarrantyAccrual", "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ProductWarrantyAccrual", "crdr": "credit", "presentation": "http://www.hpe.com/role/BalanceSheetDetailsChangesInAggregateProductWarrantyLiabilitiesDetails", "http://www.hpe.com/role/GuaranteesandIndemnificationsChangesInAggregateProductWarrantyLiabilitiesandChangesDetails", "lang": "en-us", "role": "periodStartLabel", "Balance at beginning of balance", "periodEndLabel": "Balance at end of year", "label": "Standard and Extended Product Warranty Accrual", "documentation": "Carrying value as of the balance sheet date of obligations incurred through that date and payable for estimated claims under standard and extended warranty protection rights granted to customers.", "auth_ref": "r241", "r664", "r667", "r671", "us-gaap_ProductWarrantyAccrualClassifiedCurrent", "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ProductWarrantyAccrualClassifiedCurrent", "crdr": "credit", "calculation": "http://www.hpe.com/role/BalanceSheetDetailsOtherAccruedLiabilitiesDetails", "parentTag": "us-gaap_OtherLiabilitiesCurrent", "weight": 1.0, "order": 2.0 } }
"presentation": "http://www.hpe.com/role/BalanceSheetDetailsOtherAccruedLiabilitiesDetails", "lang": "en-us", "role": "terseLabel", "Warranty", "label": "Product Warranty Accrual, Current", "documentation": "Carrying value as of the balance sheet date of obligations incurred through that date and payable for estimated claims under standard and extended warranty protection rights granted to customers. For classified balance sheets, represents the current portion of the liabilities (due within one year or within the normal operating cycle if longer).", "auth_ref": "r150", "r1737", "r1738", "us-gaap_ProductWarrantyAccrualPayments", "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ProductWarrantyAccrualPayments", "crdr": "debit", "presentation": "http://www.hpe.com/role/BalanceSheetDetailsChangesInAggregateProductWarrantyLiabilitiesDetails", "http://www.hpe.com/role/GuaranteesandIndemnificationsChangesInAggregateProductWarrantyLiabilitiesandChangesDetails", "lang": "en-us", "role": "negatedTerseLabel", "Settlements made", "negatedLabel": "Standard and Extended Product Warranty Accrual, Decrease for Payments", "label": "Standard and Extended Product Warranty Accrual, Decrease for Payments", "documentation": "Amount of decrease in the standard and extended product warranty accrual from payments made in cash or in kind to satisfy claims under the terms of the standard and extended product warranty.", "auth_ref": "r668", "us-gaap_ProductWarrantyAccrualPreexistingIncreaseDecrease", "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ProductWarrantyAccrualPreexistingIncreaseDecrease", "crdr": "credit", "presentation": "http://www.hpe.com/role/BalanceSheetDetailsChangesInAggregateProductWarrantyLiabilitiesDetails", "http://www.hpe.com/role/GuaranteesandIndemnificationsChangesInAggregateProductWarrantyLiabilitiesandChangesDetails", "lang": "en-us", "role": "Adjustments related to pre-existing warranties", "label": "Standard and Extended Product Warranty Accrual, Increase (Decrease) for Preexisting Warranties", "documentation": "Amount of increase (decrease) in the standard and extended product warranty accrual from changes in estimates attributable to preexisting product warranties.", "auth_ref": "r670", "us-gaap_ProductWarrantyAccrualWarrantiesIssued", "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ProductWarrantyAccrualWarrantiesIssued", "crdr": "credit", "presentation": "http://www.hpe.com/role/BalanceSheetDetailsChangesInAggregateProductWarrantyLiabilitiesDetails", "http://www.hpe.com/role/GuaranteesandIndemnificationsChangesInAggregateProductWarrantyLiabilitiesandChangesDetails", "lang": "en-us", "role": "terseLabel", "Charges", "label": "Standard and Extended Product Warranty Accrual, Increase for Warranties Issued", "documentation": "Amount of increase in the standard and extended product warranty accrual from warranties issued.", "auth_ref": "r669", "srt_ProductsAndServicesDomain", "xbrltype": "domainItemType", "nsuri": "http://fasb.org/srt/2024", "localname": "ProductsAndServicesDomain", "presentation": "http://www.hpe.com/role/ConsolidatedStatementsOfEarnings", "lang": "en-us", "role": "terseLabel", "Product and Service [Domain]", "label": "Product and Service [Domain]", "documentation": "Product or service, or a group of similar products or similar services.", "auth_ref": "r311", "r312", "r313", "r314", "r315", "r316", "r339", "r499", "r1083", "r1164", "r1165", "r1166", "r1167", "r1168", "r1169", "r1170", "r1386", "r1427", "r1472", "r1474", "r1475", "r1479", "r1481", "r1620", "r1733", "r1734", "r1752", "r1915", "r1919", "r1920", "r1921", "r1922", "r1923", "r1924", "r1925", "r1926", "r1927", "r1928", "r1929", "r1930", "r1931", "r1932", "r1933", "r1934", "r1935", "r1936", "r1937", "r1938", "r1939", "r1940", "r1941", "r1942", "r1943", "r1944", "r1946", "r1947", "us-gaap_ProfessionalFees", "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ProfessionalFees", "crdr": "debit", "calculation": "http://www.hpe.com/role/TransformationProgramsTransformationCostsDetails", "parentTag": "hpe_TransformationCosts", "weight": 1.0, "order": 1.0 } }
"presentation": "http://www.hpe.com/role/TransformationProgramsTransformationCostsDetails", "lang": "en-us", "role": "terseLabel", "Program management", "label": "Professional Fees", "documentation": "A fee charged for services from professionals such as doctors, lawyers and accountants. The term is often expanded to include other professions, for example, pharmacists charging to maintain a medicinal profile of a client or customer.", "auth_ref": "r1406", "r1494", "r1950", "r1951", "us-gaap_ProfitLoss", "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ProfitLoss", "crdr": "credit", "presentation": "http://www.hpe.com/role/ConsolidatedStatementsOfStockholdersEquity", "lang": "en-us", "role": "verboseLabel", "Net earnings attributable to HPE", "label": "Net Income (Loss), Including Portion Attributable to Noncontrolling Interest", "documentation": "The consolidated profit or loss for the period, net of income taxes, including the portion attributable to the noncontrolling interest.", "auth_ref": "r346", "r383", "r386", "r401", "r410", "r420", "r426", "r429", "r430", "r548", "r675", "r676", "r678", "r679", "r680", "r681", "r682", "r684", "r685", "r935", "r940", "r941", "r944", "r945", "r969", "r992", "r1125", "r1143", "r1196", "r1254", "r1272", "r1273", "r1446", "r1447", "r1495", "r1630", "r1742", "us-gaap_PropertyPlantAndEquipmentAndFinanceLeaseRightOfUseAssetAfterAccumulatedDepreciationAndAmortization", "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PropertyPlantAndEquipmentAndFinanceLeaseRightOfUseAssetAfterAccumulatedDepreciationAndAmortization", "crdr": "debit", "calculation": "http://www.hpe.com/role/ConsolidatedBalanceSheets", "parentTag": "us-gaap_Assets", "weight": 1.0, "order": 2.0 } }
"presentation": "http://www.hpe.com/role/ConsolidatedBalanceSheets", "lang": "en-us", "role": "terseLabel", "Property, plant and equipment, net", "label": "Property, Plant, and Equipment and Finance Lease Right-of-Use Asset, after Accumulated Depreciation and Amortization", "documentation": "Amount, after accumulated depreciation and amortization, of property, plant, and equipment and finance lease right-of-use asset.", "auth_ref": "r1599", "r1719", "us-gaap_PropertyPlantAndEquipmentByTypeAxis", "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PropertyPlantAndEquipmentByTypeAxis", "presentation": "http://www.hpe.com/role/BalanceSheetDetailsPropertyPlantandEquipmentDetails", "http://www.hpe.com/role/OverviewandSummaryofSignificantAccountingPoliciesNarrativeDetails", "lang": "en-us", "role": "terseLabel", "Property, Plant and Equipment, Type [Axis]", "label": "Long-Lived Tangible Asset [Axis]", "documentation": "Information by type of long-lived, physical assets used to produce goods and services and not intended for resale.", "auth_ref": "r20", "r1029", "us-gaap_PropertyPlantAndEquipmentGross", "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PropertyPlantAndEquipmentGross", "crdr": "debit", "presentation": "http://www.hpe.com/role/BalanceSheetDetailsPropertyPlantandEquipmentDetails", "lang": "en-us", "role": "terseLabel", "Gross property, plant and equipment", "label": "Property, Plant and Equipment, Gross", "documentation": "Amount before accumulated depreciation, depletion and amortization of physical assets used in the normal conduct of business and not intended for resale. Examples include, but are not limited to, land, buildings, machinery and equipment, office equipment, and furniture and fixtures.", "auth_ref": "r202", "r351", "r1140", "us-gaap_PropertyPlantAndEquipmentLineItems", "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PropertyPlantAndEquipmentLineItems", "presentation": "http://www.hpe.com/role/BalanceSheetDetailsPropertyPlantandEquipmentDetails", "lang": "en-us", "role": "terseLabel", "Property, Plant and Equipment, Net", "label": "Property, Plant and Equipment [Line Items]", "documentation": "Line items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table.", "auth_ref": "r1029", "us-gaap_PropertyPlantAndEquipmentNet", "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PropertyPlantAndEquipmentNet", "crdr": "debit", "presentation": "http://www.hpe.com/role/BalanceSheetDetailsPropertyPlantandEquipmentDetails", "http://www.hpe.com/role/SegmentInformationRevenuebyGeographicRegionDetails", "lang": "en-us", "role": "terseLabel", "Property, plant and equipment, net", "label": "Property, Plant and Equipment, Net", "documentation": "Amount after accumulated depreciation, depletion and amortization of physical assets used in the normal conduct of business to produce goods and services and not intended for resale. Examples include, but are not limited to, land, buildings, machinery and equipment, office equipment, and furniture and fixtures.", "auth_ref": "r20", "r1029", "r1126", "r1140", "r1462", "us-gaap_PropertyPlantAndEquipmentNetAbstract", "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PropertyPlantAndEquipmentNetAbstract", "presentation": "http://www.hpe.com/role/SegmentInformationRevenuebyGeographicRegionDetails", "lang": "en-us", "role": "terseLabel", "Net property, plant and equipment", "label": "Property, Plant and Equipment, Net [Abstract]", "auth_ref": "r1", "us-gaap_PropertyPlantAndEquipmentPolicyTextBlock", "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PropertyPlantAndEquipmentPolicyTextBlock", "presentation": "http://www.hpe.com/role/OverviewandSummaryofSignificantAccountingPoliciesNarrativeDetails", "lang": "en-us", "role": "terseLabel", "Property, Plant and Equipment, net", "label": "Property, Plant and Equipment, Policy [Policy Text Block]", "documentation": "Disclosure of accounting policy for long-lived, physical asset used in normal conduct of business and not intended for resale. Includes, but is not limited to, work of art, historical treasure, and similar asset classified as collections.", "auth_ref": "r20", "r203", "r292", "r1138", "us-gaap_PropertyPlantAndEquipmentTextBlock", "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PropertyPlantAndEquipmentTextBlock", "presentation": "http://www.hpe.com/role/BalanceSheetDetailsTable", "lang": "en-us", "role": "terseLabel", "Property, Plant and Equipment", "label": "Property, Plant and Equipment [Table Text Block]", "documentation": "Tabular disclosure of physical assets used in the normal conduct of business and not intended for resale. Includes, but is not limited to, balances by class of assets, depreciation and depletion expense and method used, including composite depreciation, and accumulated depreciation.", "auth_ref": "r20", "us-gaap_PropertyPlantAndEquipmentTypeDomain", "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PropertyPlantAndEquipmentTypeDomain", "presentation": "http://www.hpe.com/role/BalanceSheetDetailsPropertyPlantandEquipmentDetails", "http://www.hpe.com/role/OverviewandSummaryofSignificantAccountingPoliciesNarrativeDetails", "lang": "en-us", "role": "terseLabel", "Property, Plant and Equipment, Type [Domain]", "label": "Long-Lived Tangible Asset [Domain]", "documentation": "Listing of long-lived, physical assets that are used in the normal conduct of business to produce goods and services and not intended for resale. Examples include land, buildings, machinery and equipment, and other types of furniture and equipment including, but not limited to, office equipment, furniture and fixtures, and computer equipment and software.", "auth_ref": "r202", "r1029", "us-

gaap_PropertyPlantAndEquipmentUsefulLife": { "xbrltype": "durationItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PropertyPlantAndEquipmentUsefulLife", "presentation": { "http://www.hpe.com/role/OverviewandSummaryofSignificantAccountingPoliciesNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Estimated useful life for property, plant and equipment", "label": "Property, Plant and Equipment, Useful Life", "documentation": "Useful Life of long lived, physical assets used in the normal conduct of business and not intended for resale, in 'PnYnMnDtHnMnS' format, for example, 'P1Y5M13D' represents the reported fact of one year, five months, and thirteen days. Examples include, but not limited to, land, buildings, machinery and equipment, office equipment, furniture and fixtures, and computer equipment." } } }, "auth_ref": { "us-gaap_PropertySubjectToOrAvailableForOperatingLeaseAccumulatedDepreciation": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PropertySubjectToOrAvailableForOperatingLeaseAccumulatedDepreciation", "crdr": "credit", "calculation": { "http://www.hpe.com/role/AccountingforLeasesasaLessorOperatingLeaseAssetsIncludedinMachineryandEquipmentDetails": { "parentTag": "us-gaap_PropertySubjectToOrAvailableForOperatingLeaseNet", "weight": 1.0, "order": 2.0 } }, "presentation": { "http://www.hpe.com/role/AccountingforLeasesasaLessorOperatingLeaseAssetsIncludedinMachineryandEquipmentDetails": { "lang": { "en-us": { "role": { "negatedTerseLabel": "Accumulated depreciation", "label": "Property, Plant, and Equipment, Lessor Asset under Operating Lease, Accumulated Depreciation", "documentation": "Amount of accumulated depreciation of lessor's underlying asset for which right to use has been conveyed to lessee under operating lease." } } }, "auth_ref": { "r251", "r275", "r623", "r1034" } } }, "us-gaap_PropertySubjectToOrAvailableForOperatingLeaseGross": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PropertySubjectToOrAvailableForOperatingLeaseGross", "crdr": "debit", "calculation": { "http://www.hpe.com/role/AccountingforLeasesasaLessorOperatingLeaseAssetsIncludedinMachineryandEquipmentDetails": { "parentTag": "us-gaap_PropertySubjectToOrAvailableForOperatingLeaseNet", "weight": 1.0, "order": 1.0 } }, "presentation": { "http://www.hpe.com/role/AccountingforLeasesasaLessorOperatingLeaseAssetsIncludedinMachineryandEquipmentDetails": { "lang": { "en-us": { "role": { "terseLabel": "Equipment leased to customers", "label": "Property, Plant, and Equipment, Lessor Asset under Operating Lease, before Accumulated Depreciation", "documentation": "Amount, before accumulated depreciation, of lessor's underlying asset for which right to use has been conveyed to lessee under operating lease." } } }, "auth_ref": { "r250", "r275", "r622", "r1034" } } }, "us-gaap_PropertySubjectToOrAvailableForOperatingLeaseNet": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PropertySubjectToOrAvailableForOperatingLeaseNet", "crdr": "debit", "calculation": { "http://www.hpe.com/role/AccountingforLeasesasaLessorOperatingLeaseAssetsIncludedinMachineryandEquipmentDetails": { "parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": { "http://www.hpe.com/role/AccountingforLeasesasaLessorOperatingLeaseAssetsIncludedinMachineryandEquipmentDetails": { "lang": { "en-us": { "role": { "totalLabel": "Total", "label": "Property, Plant, and Equipment, Lessor Asset under Operating Lease, after Accumulated Depreciation", "documentation": "Amount, after accumulated depreciation, of lessor's underlying asset for which right to use has been conveyed to lessee under operating lease." } } }, "auth_ref": { "r275", "r1719", "r1895" } } }, "us-gaap_ProvisionForLoanLossesExpensed": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ProvisionForLoanLossesExpensed", "crdr": "debit", "presentation": { "http://www.hpe.com/role/AccountingforLeasesasaLessorAllowanceforDoubtfulAccountsforFinancingReceivablesDetails": { "lang": { "en-us": { "role": { "terseLabel": "Provision for credit losses", "label": "Financing Receivable, Credit Loss, Expense (Reversal)", "documentation": "Amount of credit loss expense (reversal of expense) for financing receivable." } } }, "auth_ref": { "r562", "r1120" } } }, "ecd_PvpTable": { "xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "PvpTable", "presentation": { "http://xbrl.sec.gov/ecd/role/PvpDisclosure": { "lang": { "en-us": { "role": { "terseLabel": "Pay vs Performance Disclosure", "label": "Pay vs Performance Disclosure [Table]", "documentation": "Pay vs Performance Disclosure [Table]", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "Pay vs Performance Disclosure [Table]", "presentation": { "http://xbrl.sec.gov/ecd/role/PvpDisclosure": { "lang": { "en-us": { "role": { "terseLabel": "Pay vs Performance Disclosure, Table", "label": "Pay vs Performance [Table Text Block]", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "Pay vs Performance [Table Text Block]", "auth_ref": { "r1537" } }, "hpe_Q3NetworkingLitigationMember": { "xbrltype": "domainItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "Q3NetworkingLitigationMember", "presentation": { "http://www.hpe.com/role/LitigationContingenciesandCommitmentsDetails": { "lang": { "en-us": { "role": { "terseLabel": "Q3 Networking Litigation [Member]", "label": "Q3 Networking Litigation [Member]", "documentation": "Q3 Networking Litigation [Member]", "auth_ref": { "srt_RangeAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/srt/2024", "localname": "RangeAxis", "presentation": { "http://www.hpe.com/role/BorrowingsLongTermDebtDetails": { "http://www.hpe.com/role/FinancialInstrumentsNarrativeDetails": { "http://www.hpe.com/role/GoodwillandIntangibleAssetsNarrativeDetails": { "http://www.hpe.com/role/LitigationContingenciesandCommitmentsDetails": { "http://www.hpe.com/role/OverviewandSummaryofSignificantAccountingPoliciesNarrativeDetails": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansFairValueofNonUSDefinedBenefitPlanAssetsbyAssetCategoryWithintheFairValueHierarchyDetails": { "http://www.hpe.com/role/StockholdersEquityNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Statistical Measurement [Axis]", "label": "Statistical Measurement [Axis]", "documentation": "Information by statistical measurement. Includes, but is not limited to, minimum, maximum, weighted average, arithmetic average, and median." } } }, "auth_ref": { "r302", "r304", "r306", "r307", "r309", "r340", "r341", "r652", "r653", "r654", "r655", "r766", "r823", "r861", "r862", "r863", "r875", "r975", "r1051", "r1063", "r1080", "r1171", "r1173", "r1181", "r1221", "r1222", "r1283", "r1304", "r1310", "r1311", "r1348", "r1380", "r1381", "r1412", "r1426", "r1440", "r1453", "r1454", "r1458", "r1459", "r1474", "r1484", "r1724", "r1746", "r1873", "r1902", "r1903", "r1905", "r1906", "r1907" } } }, "srt_RangeMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/srt/2024", "localname": "RangeMember", "presentation": { "http://www.hpe.com/role/BorrowingsLongTermDebtDetails": { "http://www.hpe.com/role/FinancialInstrumentsNarrativeDetails": { "http://www.hpe.com/role/GoodwillandIntangibleAssetsNarrativeDetails": { "http://www.hpe.com/role/LitigationContingenciesandCommitmentsDetails": { "http://www.hpe.com/role/OverviewandSummaryofSignificantAccountingPoliciesNarrativeDetails": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansFairValueofNonUSDefinedBenefitPlanAssetsbyAssetCategoryWithintheFairValueHierarchyDetails": { "http://www.hpe.com/role/StockholdersEquityNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Statistical Measurement [Domain]", "label": "Statistical Measurement [Domain]", "documentation": "Statistical measurement. Includes, but is not limited to, minimum, maximum, weighted average, arithmetic average, and median." } } }, "auth_ref": { "r302", "r304", "r306", "r307", "r309", "r340", "r341", "r652", "r653", "r654", "r655", "r766", "r823", "r861", "r862", "r863", "r875", "r975", "r1051", "r1063", "r1080", "r1171", "r1173", "r1181", "r1221", "r1222", "r1283", "r1304", "r1310", "r1311", "r1348", "r1380", "r1381", "r1412", "r1426", "r1440", "r1453", "r1454", "r1458", "r1459", "r1474", "r1484", "r1724", "r1746", "r1873", "r1902", "r1903", "r1905", "r1906", "r1907" } } }, "us-gaap_ReceivablesBillingStatusDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ReceivablesBillingStatusDomain", "presentation": { "http://www.hpe.com/role/AccountingforLeasesasaLessorSummaryofAgingandNonaccrualStatusofGrossFinancingReceivablesDetails": { "lang": { "en-us": { "role": { "terseLabel": "Receivables Billing Status [Domain]", "label": "Receivables Billing Status [Domain]", "documentation": "Amounts due from customers (or dealers) within the next year (or operating cycle, if longer) for goods or services that have been delivered or used, but not yet paid." } } }, "auth_ref": { "hpe_ReceivablesSoldButNotCollectedFromThirdParty": { "xbrltype": "monetaryItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "ReceivablesSoldButNotCollectedFromThirdParty", "crdr": "debit", "presentation": { "http://www.hpe.com/role/BalanceSheetDetailsRevolvingShortTermFinancingReceivableDetails": { "lang": { "en-us": { "role": { "periodStartLabel": "Balance at beginning of period", "periodEndLabel": "Balance at end of period", "label": "Receivables Sold but Not Collected from Third Party", "documentation": "Represents the amount of receivables sold to the third party, but not collected by the third party from customer under revolving financing receivables arrangements." } } }, "auth_ref": { "hpe_ReceivablesSoldButNotCollectedFromThirdPartyRollForward": { "xbrltype": "stringItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "ReceivablesSoldButNotCollectedFromThirdPartyRollForward", "presentation": { "http://www.hpe.com/role/BalanceSheetDetailsRevolvingShortTermFinancingReceivableDetails": { "lang": { "en-us": { "role": { "terseLabel": "Receivables Sold but Not Collected from Third Party Roll Forward", "label": "Receivables Sold but Not Collected from Third Party [Roll Forward]", "documentation": "Receivables Sold but Not Collected from Third Party" } } }, "auth_ref": { "us-gaap_ReclassificationFromAccumulatedOtherComprehensiveIncomeCurrentPeriodBeforeTax": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ReclassificationFromAccumulatedOtherComprehensiveIncomeCurrentPeriodBeforeTax", "crdr": "debit", "presentation": { "http://www.hpe.com/role/StockholdersEquityComponentsofOCIDetails": { "lang": { "en-us": { "role": { "verboseLabel": "Reclassifications of (gains) losses into earnings", "label": "Reclassification from Accumulated Other Comprehensive Income, Current Period, before Tax", "documentation": "Amount before tax of reclassification adjustments of other comprehensive income (loss).", "auth_ref": { "r45", "r390", "r999", "r1004", "r1005", "r1145", "r1628" } } }, "us-gaap_ReconciliationOfOperatingProfitLossFromSegmentsToConsolidatedTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ReconciliationOfOperatingProfitLossFromSegmentsToConsolidatedTextBlock", "presentation": { "http://www.hpe.com/role/SegmentInformationTables": { "lang": { "en-us": { "role": { "terseLabel": "Reconciliation of Segment Operating Results", "label": "Reconciliation of Operating Profit (Loss) from Segments to Consolidated [Table Text Block]", "documentation": "Tabular disclosure of the reconciliation of profit (loss) from reportable segments to the consolidated income (loss) before income tax expense (benefit) and discontinued operations. Includes, but is not limited to, reconciliation after income tax if income tax is allocated to the reportable segment." } } }, "auth_ref": { "r71", "r72" } } }, "us-gaap_ReconciliationOfUnrecognizedTaxBenefitsExcludingAmountsPertainingToExaminedTaxReturnsRollForward": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ReconciliationOfUnrecognizedTaxBenefitsExcludingAmountsPertainingToExaminedTaxReturnsRollForward", "presentation": { "http://www.hpe.com/role/TaxesonEarningsUncertainTaxPositionsDetails": { "lang": { "en-us": { "role": { "terseLabel": "Reconciliation of unrecognized tax benefits", "label": "Unrecognized Tax Benefits [Roll Forward]", "documentation": "A roll forward is a reconciliation of a concept from the beginning of a period to the end of a period." } } }, "auth_ref": { "us-gaap_RecordedUnconditionalPurchaseObligation": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RecordedUnconditionalPurchaseObligation", "crdr": "credit", "presentation": { "http://www.hpe.com/role/LitigationContingenciesandCommitmentsDetails": { "lang": { "en-us": { "role": { "verboseLabel": "Recorded Unconditional Purchase Obligation, to be Paid, after Year Five", "label": "Recorded Unconditional Purchase Obligation, to be Paid, after Year Five", "documentation": "Amount of recorded unconditional purchase obligation maturing after fifth fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach).", "auth_ref": { "r650" } } }, "us-gaap_RecordedUnconditionalPurchaseObligationDueInFifthYear": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RecordedUnconditionalPurchaseObligationDueInFifthYear", "crdr": "credit", "presentation": { "http://www.hpe.com/role/LitigationContingenciesandCommitmentsDetails": { "lang": { "en-us": { "role": { "verboseLabel": "Recorded Unconditional Purchase Obligation, to be Paid, Year Five", "label": "Recorded Unconditional Purchase Obligation, to be Paid, Year Five", "documentation": "Amount of recorded unconditional purchase obligation to be paid in fifth fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach).", "auth_ref": { "r650" } } }, "us-gaap_RecordedUnconditionalPurchaseObligationDueInFourthYear": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RecordedUnconditionalPurchaseObligationDueInFourthYear", "crdr": "credit", "presentation": { "http://www.hpe.com/role/LitigationContingenciesandCommitmentsDetails": { "lang": { "en-us": { "role": { "verboseLabel": "Recorded Unconditional Purchase Obligation, to be Paid, Year Four", "label": "Recorded Unconditional Purchase Obligation, to be Paid, Year Four", "documentation": "Amount of recorded unconditional purchase obligation to be paid in fourth fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach).", "auth_ref": { "r650" } } }, "us-gaap_RecordedUnconditionalPurchaseObligationDueInSecondYear": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RecordedUnconditionalPurchaseObligationDueInSecondYear", "crdr": "credit", "presentation": { "http://www.hpe.com/role/LitigationContingenciesandCommitmentsDetails": { "lang": { "en-us": { "role": { "verboseLabel": "Recorded Unconditional Purchase Obligation, to be Paid, Year Two", "label": "Recorded Unconditional Purchase Obligation, to be Paid, Year Two", "documentation": "Amount of recorded unconditional purchase obligation to be paid in second fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach).", "auth_ref": { "r650" } } }, "us-gaap_RecordedUnconditionalPurchaseObligationDueInThirdYear": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RecordedUnconditionalPurchaseObligationDueInThirdYear", "crdr": "credit", "presentation": { "http://www.hpe.com/role/LitigationContingenciesandCommitmentsDetails": { "lang": { "en-us": { "role": { "verboseLabel": "Recorded Unconditional Purchase Obligation, to be Paid, Year Three", "label": "Recorded Unconditional Purchase Obligation, to be Paid, Year Three", "documentation": "Amount of recorded unconditional purchase obligation to be paid in third fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach).", "auth_ref": { "r650" } } }, "us-gaap_RecordedUnconditionalPurchaseObligationDueWithinOneYear": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RecordedUnconditionalPurchaseObligationDueWithinOneYear", "crdr": "credit", "presentation": { "http://www.hpe.com/role/LitigationContingenciesandCommitmentsDetails": { "lang": { "en-us": { "role": { "verboseLabel": "Recorded Unconditional Purchase Obligation, to be

Year One", "label": "Recorded Unconditional Purchase Obligation, to be Paid, Year One", "documentation": "Amount of recorded unconditional purchase obligation to be paid in next fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach).", "auth_ref": "r650", "ecd_RecoveryOfErrCompDisclosureLineItems": "xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "RecoveryOfErrCompDisclosureLineItems", "lang": "en-us", "role": "label", "RecoveryOfErroneouslyAwardedCompensationDisclosureLineItems": "xbrltype": "stringItemType", "nsuri": "http://www.hpe.com/20241031", "auth_ref": "r1504", "r1515", "r1525", "r1558", "hpe_RegisteredInvestmentCompaniesMember": "xbrltype": "domainItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "RegisteredInvestmentCompaniesMember", "presentation": "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansNarrativeDetails", "lang": "en-us", "role": "terseLabel", "RegisteredInvestmentCompanies": "label": "RegisteredInvestmentCompaniesMember", "documentation": "Represents the investment in registered investment companies.", "auth_ref": "us-gaap_RelatedPartyDomain": "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RelatedPartyDomain", "presentation": "http://www.hpe.com/role/EquityInterestsNarrativeDetails", "lang": "en-us", "role": "terseLabel", "RelatedPartyDomain": "label": "Related and Nonrelated Parties Domain", "documentation": "Related and nonrelated parties. Related party includes, but is not limited to, affiliate, other entity for which investment is accounted for under equity method, trust for benefit of employee, principal owner, management, and member of immediate family, and other party that may be prevented from pursuing separate interests because of control, significant influence, or ownership interest.", "auth_ref": "r504", "r794", "r1040", "r1041", "r1132", "r1137", "r1226", "r1227", "r1228", "r1229", "r1230", "r1251", "r1253", "r1279", "us-gaap_RelatedPartyTransactionAxis": "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RelatedPartyTransactionAxis", "presentation": "http://www.hpe.com/role/GuaranteesandIndemnificationsIndemnifiedLitigationmattersandOtherContingenciesDetails", "lang": "en-us", "role": "terseLabel", "Related Party Transaction Axis": "label": "Related Party Transaction Axis", "documentation": "Information by type of related party transaction.", "auth_ref": "r1040", "r1041", "r1898", "us-gaap_RelatedPartyTransactionDomain": "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RelatedPartyTransactionDomain", "presentation": "http://www.hpe.com/role/GuaranteesandIndemnificationsIndemnifiedLitigationmattersandOtherContingenciesDetails", "lang": "en-us", "role": "terseLabel", "Related Party Transaction Domain": "label": "Related Party Transaction Domain", "documentation": "Transaction between related party.", "auth_ref": "us-gaap_RelatedPartyTransactionPurchasesFromRelatedParty": "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RelatedPartyTransactionPurchasesFromRelatedParty", "crdr": "debit", "presentation": "http://www.hpe.com/role/EquityInterestsNarrativeDetails", "lang": "en-us", "role": "terseLabel", "Purchases from related party": "label": "Related Party Transaction, Purchases from Related Party", "documentation": "Purchases during the period (excluding transactions that are eliminated in consolidated or combined financial statements) with related party.", "auth_ref": "us-gaap_RelatedPartyTransactionsByRelatedPartyAxis": "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RelatedPartyTransactionsByRelatedPartyAxis", "presentation": "http://www.hpe.com/role/EquityInterestsNarrativeDetails", "lang": "en-us", "role": "terseLabel", "Related Party Axis": "label": "Related and Nonrelated Parties Axis", "documentation": "Information by related and nonrelated parties. Related party includes, but is not limited to, affiliate, other entity for which investment is accounted for under equity method, trust for benefit of employee, principal owner, management, and member of immediate family, and other party that may be prevented from pursuing separate interests because of control, significant influence, or ownership interest.", "auth_ref": "r504", "r794", "r1040", "r1041", "r1132", "r1137", "r1226", "r1227", "r1228", "r1229", "r1230", "r1251", "r1253", "r1279", "r1898", "us-gaap_RepaymentsOfLongTermDebtAndCapitalSecurities": "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RepaymentsOfLongTermDebtAndCapitalSecurities", "crdr": "credit", "calculation": "http://www.hpe.com/role/ConsolidatedStatementsOfCashFlows", "parentTag": "us-gaap_NetCashProvidedByUsedInFinancingActivities", "weight": -1.0, "order": 3.0, "presentation": "http://www.hpe.com/role/ConsolidatedStatementsOfCashFlows", "lang": "en-us", "role": "negatedLabel", "Payment of debt": "label": "Repayment of Long-Term Debt, Long-Term Lease Obligation, and Capital Security", "documentation": "Amount of cash outflow for debt, mandatory redeemable security, and principal payment for finance lease obligation.", "auth_ref": "r188", "r189", "us-gaap_ReportingUnitAxis": "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ReportingUnitAxis", "presentation": "http://www.hpe.com/role/GoodwillandIntangibleAssetsNarrativeDetails", "lang": "en-us", "role": "terseLabel", "Reporting Unit Axis": "label": "Reporting Unit Axis", "documentation": "Information by reporting unit.", "auth_ref": "r606", "r607", "r1417", "us-gaap_ReportingUnitDomain": "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ReportingUnitDomain", "presentation": "http://www.hpe.com/role/GoodwillandIntangibleAssetsNarrativeDetails", "lang": "en-us", "role": "terseLabel", "Reporting Unit Domain": "label": "Reporting Unit Domain", "documentation": "Level of reporting at which goodwill is tested for impairment.", "auth_ref": "r606", "r607", "r1417", "us-gaap_ReportingUnitPercentageOffFairValueInExcessOfCarryingAmount": "xbrltype": "percentItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ReportingUnitPercentageOffFairValueInExcessOfCarryingAmount", "presentation": "http://www.hpe.com/role/GoodwillandIntangibleAssetsNarrativeDetails", "lang": "en-us", "role": "terseLabel", "Percentage of fair value in excess of carrying amount": "label": "Reporting Unit, Percentage of Fair Value in Excess of Carrying Amount", "documentation": "Percentage of fair value of reporting unit in excess of carrying amount.", "auth_ref": "rt_RepurchaseAgreementCounterpartyNameDomain": "xbrltype": "domainItemType", "nsuri": "http://fasb.org/rt/2024", "localname": "RepurchaseAgreementCounterpartyNameDomain", "presentation": "http://www.hpe.com/role/EquityInterestsNarrativeDetails", "lang": "en-us", "role": "terseLabel", "Counterparty Name Domain": "label": "Counterparty Name Domain", "documentation": "Named other party that participates in a financial transaction. Examples include, but not limited to, the name of the financial institution.", "auth_ref": "r337", "r338", "r413", "r414", "r690", "r720", "r1042", "r1064", "r1127", "r1394", "r1395", "us-gaap_ResearchAndDevelopmentExpense": "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ResearchAndDevelopmentExpense", "crdr": "debit", "calculation": "http://www.hpe.com/role/ConsolidatedStatementsOfEarnings", "parentTag": "us-gaap_CostsAndExpenses", "weight": 1.0, "order": 2.0, "presentation": "http://www.hpe.com/role/ConsolidatedStatementsOfEarnings", "lang": "en-us", "role": "terseLabel", "Research and development": "label": "Research and Development Expense", "documentation": "Amount of expense for research and development. Includes, but is not limited to, cost for computer software product to be sold, leased, or otherwise marketed and writeoff of research and development assets acquired in transaction other than business combination or joint venture formation or both. Excludes write-down of intangible asset acquired in business combination or from joint venture formation or both, used in research and development activity.", "auth_ref": "r877", "r1382", "r1406", "r1908", "us-gaap_ResearchAndDevelopmentExpenseMember": "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ResearchAndDevelopmentExpenseMember", "presentation": "http://www.hpe.com/role/StockBasedCompensationConsolidatedStatementOfEarningsLocationOfStockBasedCompensationExpenseDetails", "lang": "en-us", "role": "terseLabel", "Research and development": "label": "Research and Development Expense Member", "documentation": "Primary financial statement caption in which the reported facts about research and development expense have been included.", "auth_ref": "ecd_RestatementDateAxis": "xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "RestatementDateAxis", "presentation": "http://xbrl.sec.gov/ecd/role/ErrCompDisclosure", "lang": "en-us", "role": "terseLabel", "Restatement Determination Date": "label": "Restatement Determination Date Axis", "auth_ref": "r1505", "r1516", "r1526", "r1559", "ecd_RestatementDeterminationDate": "xbrltype": "dateItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "RestatementDeterminationDate", "presentation": "http://xbrl.sec.gov/ecd/role/ErrCompDisclosure", "lang": "en-us", "role": "terseLabel", "Restatement Determination Date": "label": "Restatement Determination Date", "auth_ref": "r1506", "r1517", "r1527", "r1560", "ecd_RestatementDoesNotRequireRecoveryTextBlock": "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "RestatementDoesNotRequireRecoveryTextBlock", "presentation": "http://xbrl.sec.gov/ecd/role/ErrCompDisclosure", "lang": "en-us", "role": "terseLabel", "Restatement does not require recovery": "label": "Restatement Does Not Require Recovery Text Block", "auth_ref": "r1513", "r1524", "r1534", "r1567", "us-gaap_RestrictedCashAndCashEquivalentsAtCarryingValue": "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RestrictedCashAndCashEquivalentsAtCarryingValue", "crdr": "debit", "calculation": "http://www.hpe.com/role/BalanceSheetDetailsScheduleofCashandCashEquivalentsDetails", "parentTag": "us-gaap_CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalents", "weight": 1.0, "order": 2.0, "presentation": "http://www.hpe.com/role/BalanceSheetDetailsScheduleofCashandCashEquivalentsDetails", "lang": "en-us", "role": "terseLabel", "Restricted cash": "label": "Restricted Cash and Cash Equivalents, Current", "documentation": "Amount of cash and cash equivalents restricted as to withdrawal or usage, classified as current. Cash includes, but is not limited to, currency on hand, demand deposits with banks or financial institutions, and other accounts with general characteristics of demand deposits. Cash equivalents include, but are not limited to, short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates.", "auth_ref": "r51", "r350", "r407", "us-gaap_RestrictedCashAndCashEquivalentsCashAndCashEquivalentsMember": "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RestrictedCashAndCashEquivalentsCashAndCashEquivalentsMember", "presentation": "http://www.hpe.com/role/FinancialInstrumentsCashEquivalentsandAvailableforSaleInvestmentsDetails", "lang": "en-us", "role": "terseLabel", "Cash and Cash Equivalents Domain": "label": "Cash and Cash Equivalents Domain", "documentation": "Type of cash and cash equivalent. Cash is currency on hand as well as demand deposits with banks or financial institutions. Includes other kinds of accounts that have the general characteristics of demand deposits. Also includes short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates.", "auth_ref": "r350", "hpe_RestrictedStockAwardsMember": "xbrltype": "domainItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "RestrictedStockAwardsMember", "presentation": "http://www.hpe.com/role/StockBasedCompensationSummaryofRestrictedStockActivityDetails", "lang": "en-us", "role": "terseLabel", "Restricted Stock Awards": "label": "Restricted Stock Awards Member", "documentation": "Restricted stock awards are non-vested stock awards that include grants of restricted stock and grants of restricted stock units.", "auth_ref": "us-gaap_RestructuringAndRelatedActivitiesAbstract": "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RestructuringAndRelatedActivitiesAbstract", "lang": "en-us", "role": "terseLabel", "Restructuring and Related Activities Abstract": "label": "Restructuring and Related Activities Abstract", "auth_ref": "us-gaap_RestructuringAndRelatedActivitiesDisclosureTextBlock": "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RestructuringAndRelatedActivitiesDisclosureTextBlock", "presentation": "http://www.hpe.com/role/TransformationPrograms", "lang": "en-us", "role": "verboseLabel", "Transformation Programs": "label": "Restructuring and Related Activities Disclosure Text Block", "documentation": "The entire disclosure for restructuring and related activities. Description of restructuring activities such as exit and disposal activities, include facts and circumstances leading to the plan, the expected plan completion date, the major types of costs associated with the plan activities, total expected costs, the accrual balance at the end of the period, and the periods over which the remaining accrual will be settled.", "auth_ref": "r638", "r639", "r641", "r644", "r649", "us-gaap_RestructuringAndRelatedCostCostIncurredToDate": "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org

```

"fasb.org/us-gaap/2024", "localname": "RestructuringCosts", "crdr": "debit", "calculation": "http://www.hpe.com/role/ConsolidatedStatementsofCashFlows", "parentTag": "us-gaap_NetCashProvidedByUsedInOperatingActivities", "weight": 1.0, "order": 6.0, "presentation": "http://www.hpe.com/role/ConsolidatedStatementsofCashFlows", "lang": "en-us", "role": "terseLabel", "Restructuring charges", "label": "Restructuring Costs", "documentation": "Amount, after cash payment, of expenses associated with exit or disposal activities pursuant to an authorized plan. Excludes expenses related to a discontinued operation or an asset retirement obligation.", "auth_ref": "r17", "us-gaap_RestructuringPlanAxis": "xbrltype", "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RestructuringPlanAxis", "presentation": "http://www.hpe.com/role/TransformationProgramsNarrativeDetails", "http://www.hpe.com/role/TransformationProgramsScheduleofRestructuringActivitiesDetails", "http://www.hpe.com/role/TransformationProgramsTransformationCostsDetails", "lang": "en-us", "role": "terseLabel", "Restructuring Plan [Domain]", "label": "Restructuring Plan [Domain]", "documentation": "Identification of the individual restructuring plans.", "auth_ref": "us-gaap_RestructuringReserve", "xbrltype", "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RestructuringReserve", "crdr": "credit", "presentation": "http://www.hpe.com/role/TransformationProgramsScheduleofRestructuringActivitiesDetails", "lang": "en-us", "role": "periodStartLabel", "Balance at the beginning of the period", "periodEndLabel": "Balance at the end of the period", "label": "Restructuring Reserve", "documentation": "Carrying amount (including both current and noncurrent portions of the accrual) as of the balance sheet date pertaining to a specified type of cost associated with exit from or disposal of business activities or restructurings pursuant to a duly authorized plan.", "auth_ref": "r641", "r647", "us-gaap_RestructuringReserveAccrualAdjustment1", "xbrltype", "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RestructuringReserveAccrualAdjustment1", "crdr": "debit", "presentation": "http://www.hpe.com/role/TransformationProgramsScheduleofRestructuringActivitiesDetails", "lang": "en-us", "role": "negatedTerseLabel", "Non-cash items", "label": "Restructuring Reserve, Accrual Adjustment", "documentation": "Amount of expense (reversal of expense) which increases (decreases) the restructuring reserve from an adjustment to a previously accrued restructuring liability.", "auth_ref": "r641", "r647", "us-gaap_RestructuringReserveCurrent", "xbrltype", "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RestructuringReserveCurrent", "crdr": "credit", "calculation": "http://www.hpe.com/role/ConsolidatedBalanceSheets", "parentTag": "us-gaap_LiabilitiesCurrent", "weight": 1.0, "order": 6.0, "presentation": "http://www.hpe.com/role/ConsolidatedBalanceSheets", "http://www.hpe.com/role/TransformationProgramsNarrativeDetails", "lang": "en-us", "role": "terseLabel", "Accrued restructuring", "label": "Restructuring Reserve, Current", "documentation": "Carrying amount as of the balance sheet date of known and estimated obligations associated with exit from or disposal of business activities or restructurings pursuant to a duly authorized plan, which are expected to be paid in the next twelve months or in the normal operating cycle if longer. Costs of such activities include those for one-time termination benefits, termination of an operating lease or other contract, consolidating or closing facilities, relocating employees, and costs associated with an ongoing benefit arrangement, but excludes costs associated with the retirement of a long-lived asset.", "auth_ref": "r1625", "r1726", "r1727", "us-gaap_RestructuringReserveNoncurrent", "xbrltype", "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RestructuringReserveNoncurrent", "crdr": "credit", "presentation": "http://www.hpe.com/role/TransformationProgramsNarrativeDetails", "lang": "en-us", "role": "terseLabel", "Long-term portion of restructuring reserve, recorded in Other liabilities", "label": "Restructuring Reserve, Noncurrent", "documentation": "Carrying amount as of the balance sheet date of known and estimated costs associated with exit from or disposal of business activities or restructurings pursuant to a duly authorized plan, which are expected to be paid after one year or beyond the next operating cycle, if longer. Costs of such activities include those for one-time termination benefits, termination of an operating lease or other contract, consolidating or closing facilities, and relocating employees, and costs associated with an ongoing benefit arrangement, but excludes costs associated with the retirement of a long-lived asset.", "auth_ref": "r1626", "r1726", "r1727", "us-gaap_RestructuringReserveRollForward", "xbrltype", "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RestructuringReserveRollForward", "presentation": "http://www.hpe.com/role/TransformationProgramsScheduleofRestructuringActivitiesDetails", "lang": "en-us", "role": "terseLabel", "Restructuring Reserve", "label": "Restructuring Reserve [Roll Forward]", "documentation": "A roll forward is a reconciliation of a concept from the beginning of a period to the end of a period.", "auth_ref": "us-gaap_RetainedEarningsAccumulatedDeficit", "xbrltype", "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RetainedEarningsAccumulatedDeficit", "crdr": "credit", "calculation": "http://www.hpe.com/role/ConsolidatedBalanceSheets", "parentTag": "us-gaap_StockholdersEquity", "weight": 1.0, "order": 3.0, "presentation": "http://www.hpe.com/role/ConsolidatedBalanceSheets", "lang": "en-us", "role": "terseLabel", "Accumulated deficit", "label": "Retained Earnings (Accumulated Deficit)", "documentation": "Amount of accumulated undistributed earnings (deficit).", "auth_ref": "r162", "r213", "r1135", "r1178", "r1180", "r1192", "r1233", "r1462", "us-gaap_RetainedEarningsMember", "xbrltype", "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RetainedEarningsMember", "presentation": "http://www.hpe.com/role/ConsolidatedStatementsofStockholdersEquity", "lang": "en-us", "role": "verboseLabel", "Accumulated Deficit", "label": "Retained Earnings [Member]", "documentation": "Accumulated undistributed earnings (deficit).", "auth_ref": "r342", "r417", "r418", "r419", "r421", "r426", "r428", "r430", "r550", "r551", "r621", "r921", "r922", "r932", "r933", "r934", "r936", "r939", "r940", "r959", "r961", "r962", "r964", "r967", "r1010", "r1013", "r1175", "r1177", "r1197", "r1952", "us-gaap_RetirementPlanNameAxis", "xbrltype", "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RetirementPlanNameAxis", "presentation": "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansNarrativeDetails", "lang": "en-us", "role": "terseLabel", "Retirement Plan Name [Axis]", "label": "Retirement Plan Name [Axis]", "documentation": "Information by name of plan designed to provide retirement benefits. Includes, but is not limited to, legal name of defined benefit and defined contribution plans.", "auth_ref": "r820", "r821", "r822", "r823", "r824", "r825", "r826", "r827", "r828", "r1440", "r1594", "r1754", "r1755", "r1756", "r1757", "r1758", "r1759", "r1760", "r1761", "r1762", "r1763", "r1764", "r1765", "r1766", "r1767", "r1768", "r1769", "r1770", "r1771", "r1772", "r1773", "r1774", "r1775", "r1776", "r1777", "r1778", "r1779", "r1780", "r1781", "r1782", "r1783", "r1784", "r1785", "r1786", "r1787", "r1788", "r1789", "r1790", "r1791", "r1792", "r1793", "r1794", "r1795", "r1796", "r1797", "r1798", "r1799", "r1800", "r1801", "r1802", "r1803", "r1804", "r1805", "r1806", "r1807", "r1808", "r1809", "r1810", "r1811", "r1812", "r1813", "us-gaap_RetirementPlanNameDomain", "xbrltype", "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RetirementPlanNameDomain", "presentation": "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansNarrativeDetails", "lang": "en-us", "role": "terseLabel", "Retirement Plan Name [Domain]", "label": "Retirement Plan Name [Domain]", "documentation": "Name of plan designed to provide retirement benefits. Includes, but is not limited to, legal name of defined benefit and defined contribution plans.", "auth_ref": "r820", "r821", "r822", "r823", "r824", "r825", "r826", "r827", "r828", "r1440", "r1594", "r1754", "r1755", "r1756", "r1757", "r1758", "r1759", "r1760", "r1761", "r1762", "r1763", "r1764", "r1765", "r1766", "r1767", "r1768", "r1769", "r1770", "r1771", "r1772", "r1773", "r1774", "r1775", "r1776", "r1777", "r1778", "r1779", "r1780", "r1781", "r1782", "r1783", "r1784", "r1785", "r1786", "r1787", "r1788", "r1789", "r1790", "r1791", "r1792", "r1793", "r1794", "r1795", "r1796", "r1797", "r1798", "r1799", "r1800", "r1801", "r1802", "r1803", "r1804", "r1805", "r1806", "r1807", "r1808", "r1809", "r1810", "r1811", "r1812", "r1813", "us-gaap_RetirementPlanSponsorLocationAxis", "xbrltype", "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RetirementPlanSponsorLocationAxis", "presentation": "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansChangesinFairValueMeasurementsforLevel3InvestmentsfortheNonUSDefinedBenefitPlansDetails", "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansFairValueofNonUSDefinedBenefitPlanAssetsbyAssetCategoryWithintheFairValueHierarchyDetails", "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansNarrativeDetails", "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansWeightedAverageTargetandActualAssetAllocationsAcrossNonUSDefinedBenefitPlansDetails", "lang": "en-us", "role": "terseLabel", "Retirement Plan Sponsor Location [Axis]", "label": "Retirement Plan Sponsor Location [Axis]", "documentation": "Information by location of employer sponsoring plan designed to provide retirement benefits. Includes, but is not limited to, defined benefit and defined contribution plans.", "auth_ref": "r745", "r746", "r747", "r748", "r749", "r750", "r751", "r752", "r753", "r754", "r755", "r756", "r757", "r758", "r759", "r760", "r761", "r762", "r763", "r764", "r765", "r766", "r767", "r769", "r770", "r771", "r772", "r773", "r774", "r775", "r776", "r777", "r778", "r779", "r780", "r781", "r782", "r783", "r784", "r785", "r786", "r787", "r789", "r790", "r791", "r792", "r794", "r797", "r801", "r802", "r803", "r804", "r805", "r806", "r807", "r808", "r809", "r810", "r811", "r812", "r813", "r815", "r816", "r817", "us-gaap_RetirementPlanSponsorLocationDomain", "xbrltype", "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RetirementPlanSponsorLocationDomain", "presentation": "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansChangesinFairValueMeasurementsforLevel3InvestmentsfortheNonUSDefinedBenefitPlansDetails", "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansFairValueofNonUSDefinedBenefitPlanAssetsbyAssetCategoryWithintheFairValueHierarchyDetails", "http://
```

"r770","r771","r772","r773","r774","r775","r776","r777","r778","r779","r780","r781","r782","r783","r784","r785","r786","r787","r789","r791","r792","r794",
"r797","r800","r804","r805","r806","r807","r808","r809","r810","r811","r812","r813","r817","r818","r819","r829","r1432","r1433","r1434","r1435","r1436",
"r1437","r1438","r1439"}}, "us-gaap_RetirementPlanTypeDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname":
"RetirementPlanTypeDomain", "presentation": {
"http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansChangesinFairValueMeasurementsfortheNonUSDefinedBenefitPlansDetails",
"http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansDirectDefinedBenefitPlanswithAccumulatedBenefitObligationsExceedingtheFairValueofPlanAssetsDetails",
"http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansDirectDefinedBenefitPlanswithProjectedBenefitObligationsExceedingtheFairValueofPlanAssetsDetails",
"http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansEstimatedFutureBenefitsPaymentsDetails",
"http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansFairValueofNonUSDefinedBenefitPlanAssetsbyAssetCategoryWithintheFairValueHierarchyDetails",
"http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansFundedStatusofPlansDetails",
"http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansNarrativeDetails",
"http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansNetAmountsRecognizedfortheDirectPlansinCombinedandConsolidatedBalanceSheetsDetails",
"http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansPreTaxNetActuarialLossandPriorServiceBenefitRecognizedinAccumulatedOtherComprehensiveLossfortheD",
"http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansSummaryofNetBenefitCostDetails",
"http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansWeightedAverageAssumptionsUsedtoCalculatetheProjectedBenefitObligationsDetails",
"http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansWeightedAverageAssumptionsUsedtoCalculatetheProjectedBenefitObligationsforDirectPlansDetails",
"http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansWeightedAverageAssumptionsUsedtoCalculateActualAssetAllocationsAcrossNonUSDefinedBenefitPlansDetails"}}, { "lang": {
"en-us": { "role": { "terseLabel": "Retirement Plan Type [Domain]", "label": "Retirement Plan Type [Domain]", "documentation": "Type of plan designed to provide participants
with retirement benefits. Includes, but is not limited to, retirement benefit arrangement for defined benefit pension and other postretirement plans, retirement benefit
arrangement for defined contribution pension and other postretirement plans, and special and contractual termination benefits payable upon retirement." } } }, "auth_ref": {
"r742","r745","r746","r747","r748","r749","r750","r751","r752","r753","r754","r755","r756","r757","r758","r759","r760","r761","r762","r763","r764","r765",
"r766","r767","r769","r770","r771","r772","r773","r774","r775","r776","r777","r778","r779","r780","r781","r782","r783","r784","r785","r786","r787","r789",
"r791","r792","r794","r797","r800","r804","r805","r806","r807","r808","r809","r810","r811","r812","r813","r817","r818","r819","r829","r1432","r1433","r1434",
"r1435","r1436","r1437","r1438","r1439"}}, "us-gaap_RevenueFromContractWithCustomerExcludingAssessedTax": { "xbrltype": "monetaryItemType", "nsuri":
"http://fasb.org/us-gaap/2024", "localname": "RevenueFromContractWithCustomerExcludingAssessedTax", "crdr": "credit", "calculation": {
"http://www.hpe.com/role/ConsolidatedStatementsOfEarnings": { "parentTag": "us-gaap_Revenues", "weight": 1.0, "order": 1.0 } }, "presentation": {
"http://www.hpe.com/role/ConsolidatedStatementsOfEarnings": "http://www.hpe.com/role/EquityInterestsNarrativeDetails"}}, { "lang": { "en-us": { "role": { "terseLabel":
"Revenues", "label": "Revenue from Contract with Customer, Excluding Assessed Tax", "documentation": "Amount, excluding tax collected from customer, of revenue from
satisfaction of performance obligation by transferring promised good or service to customer. Tax collected from customer is tax assessed by governmental authority that is
both imposed on and concurrent with specific revenue-producing transaction, including, but not limited to, sales, use, value added and excise." } } }, "auth_ref": { "r252",
"r253", "r456", "r466", "r467", "r489", "r493", "r499", "r501", "r503", "r737", "r738", "r1083"}}, "us-gaap_RevenueRecognitionPolicyTextBlock": { "xbrltype":
"textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RevenueRecognitionPolicyTextBlock", "presentation": {
"http://www.hpe.com/role/OverviewandSummaryofSignificantAccountingPoliciesPolicies": { "lang": { "en-us": { "role": { "terseLabel": "Revenue Recognition", "label": "Revenue
[Policy Text Block]", "documentation": "Disclosure of accounting policy for revenue. Includes revenue from contract with customer and from other sources." } } }, "auth_ref": {
"r1257","r1383","r1398"}}, "us-gaap_RevenueRemainingPerformanceObligation": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname":
"RevenueRemainingPerformanceObligation", "crdr": "credit", "presentation": { "http://www.hpe.com/role/BalanceSheetDetailsNarrativeDetails"}}, { "lang": { "en-us": { "role": {
"terseLabel": "Unsatisfied performance obligations", "label": "Revenue, Remaining Performance Obligation, Amount", "documentation": "Amount of transaction price allocated
to performance obligation that has not been recognized as revenue." } } }, "auth_ref": { "r286"}}, "us-gaap_RevenueRemainingPerformanceObligationExpectedTimingOfSatisfactionLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname":
"RevenueRemainingPerformanceObligationExpectedTimingOfSatisfactionLineItems", "presentation": {
"http://www.hpe.com/role/BalanceSheetDetailsRemainingPerformanceObligationDetails"}}, { "lang": { "en-us": { "role": { "terseLabel": "Revenue, Remaining Performance
Obligation, Expected Timing of Satisfaction [Line Items]", "label": "Revenue, Remaining Performance Obligation, Expected Timing of Satisfaction [Line Items]",
"documentation": "Line items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members
defined in one or many axes to the table." } } }, "auth_ref": { "r287"}}, "us-gaap_RevenueRemainingPerformanceObligationExpectedTimingOfSatisfactionPeriod1": { "xbrltype":
"durationItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RevenueRemainingPerformanceObligationExpectedTimingOfSatisfactionPeriod1", "presentation": {
"http://www.hpe.com/role/BalanceSheetDetailsRemainingPerformanceObligationDetails"}}, { "lang": { "en-us": { "role": { "terseLabel": "Expected timing of satisfaction", "label":
"Revenue, Remaining Performance Obligation, Expected Timing of Satisfaction, Period", "documentation": "Period in which remaining performance obligation is expected to
be recognized as revenue, in 'PnYnMnDnTnHnMnS' format, for example, 'P1Y5M13D' represents reported fact of one year, five months, and thirteen days." } } }, "auth_ref": {
"r287"}}, "us-gaap_RevenueRemainingPerformanceObligationExpectedTimingOfSatisfactionStartDateAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RevenueRemainingPerformanceObligationExpectedTimingOfSatisfactionStartDateAxis", "presentation": {
"http://www.hpe.com/role/BalanceSheetDetailsNarrativeDetails", "http://www.hpe.com/role/BalanceSheetDetailsRemainingPerformanceObligationDetails"}}, { "lang": { "en-us": {
"role": { "terseLabel": "Revenue, Remaining Performance Obligation, Expected Timing of Satisfaction, Start Date [Axis]", "label": "Revenue, Remaining Performance
Obligation, Expected Timing of Satisfaction, Start Date [Axis]", "documentation": "Start date of time band for expected timing of satisfaction of remaining performance
obligation, in YYYY-MM-DD format." } } }, "auth_ref": { "r287"}}, "us-gaap_RevenueRemainingPerformanceObligationExpectedTimingOfSatisfactionTable": { "xbrltype":
"stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RevenueRemainingPerformanceObligationExpectedTimingOfSatisfactionTable", "presentation": {
"http://www.hpe.com/role/BalanceSheetDetailsRemainingPerformanceObligationDetails"}}, { "lang": { "en-us": { "role": { "terseLabel": "Revenue, Remaining Performance
Obligation, Expected Timing of Satisfaction [Table]", "label": "Revenue, Remaining Performance Obligation, Expected Timing of Satisfaction [Table]", "documentation":
"Disclosure of information about expected timing for satisfying remaining performance obligation." } } }, "auth_ref": { "r287"}}, "us-gaap_RevenueRemainingPerformanceObligationPercentage": { "xbrltype": "percentItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname":
"RevenueRemainingPerformanceObligationPercentage", "presentation": { "http://www.hpe.com/role/BalanceSheetDetailsNarrativeDetails",
"http://www.hpe.com/role/BalanceSheetDetailsRemainingPerformanceObligationDetails"}}, { "lang": { "en-us": { "role": { "terseLabel": "Unsatisfied performance obligation
expected to be recognized over the year", "label": "Revenue, Remaining Performance Obligation, Percentage", "documentation": "Percentage of remaining performance
obligation to total remaining performance obligation not recognized as revenue." } } }, "auth_ref": { "r1595"}}, "us-gaap_Revenues": { "xbrltype": "monetaryItemType",
"nsuri": "http://fasb.org/us-gaap/2024", "localname": "Revenues", "crdr": "credit", "calculation": { "http://www.hpe.com/role/ConsolidatedStatementsOfEarnings": {
"parentTag": "us-gaap_OperatingIncomeLoss", "weight": 1.0, "order": 1.0 } }, "presentation": { "http://www.hpe.com/role/ConsolidatedStatementsOfEarnings",
"http://www.hpe.com/role/FinancialInstrumentsPretaxEffectofDerivativeInstrumentsonStatementofEarningsDetails",
"http://www.hpe.com/role/SegmentInformationReconciliationofSegmentOperatingResultsDetails",
"http://www.hpe.com/role/SegmentInformationRevenuebyGeographicRegionDetails",
"http://www.hpe.com/role/SegmentInformationSegmentOperatingResultsfromContinuingOperationsDetails"}}, { "lang": { "en-us": { "role": { "totalLabel": "Total net revenue",
"negatedTerseLabel": "Net revenue", "terseLabel": "Net revenue", "label": "Revenues", "documentation": "Amount of revenue recognized from goods sold, services rendered,
insurance premiums, or other activities that constitute an earning process. Includes, but is not limited to, investment and interest income before deduction of interest
expense when recognized as a component of revenue, and sales and trading gain (loss)."} } }, "auth_ref": { "r252", "r253", "r392", "r410", "r456", "r466", "r467", "r489",
"r493", "r499", "r501", "r503", "r548", "r675", "r676", "r678", "r679", "r680", "r681", "r682", "r684", "r685", "r992", "r1125", "r1406", "r1742"}}, "us-gaap_RevenuesAbstract": {
"xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RevenuesAbstract", "presentation": {
"http://www.hpe.com/role/ConsolidatedStatementsOfEarnings"}}, { "lang": { "en-us": { "role": { "terseLabel": "Net Revenue", "label": "Revenues [Abstract]} } } }, "auth_ref": { "r287",
"hpe_RevenuesMember": { "xbrltype": "domainItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "RevenuesMember", "presentation": {
"http://www.hpe.com/role/FinancialInstrumentsPretaxEffectofDerivativeInstrumentsonStatementofEarningsDetails"}}, { "lang": { "en-us": { "role": { "terseLabel": "Revenues
[Member]", "label": "Revenues [Member]", "documentation": "Revenues"} } }, "auth_ref": { "r287"}}, "us-gaap_RevolvingCreditFacilityMember": { "xbrltype": "domainItemType",
"nsuri": "http://fasb.org/us-gaap/2024", "localname": "RevolvingCreditFacilityMember", "presentation": { "http://www.hpe.com/role/BorrowingsNarrativeDetails"}}, { "lang": {
"en-us": { "role": { "terseLabel": "Revolving Credit Facility", "label": "Revolving Credit Facility [Member]", "documentation": "Arrangement in which loan proceeds can
continuously be obtained following repayments, but the total amount borrowed cannot exceed a specified maximum amount." } } }, "auth_ref": { "r287"}}, "us-gaap_RightOfUseAssetObtainedInExchangeForOperatingLeaseLiability": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname":
"RightOfUseAssetObtainedInExchangeForOperatingLeaseLiability", "crdr": "debit", "presentation": {
"http://www.hpe.com/role/AccountingforLeasesasaLesseeAdditionalLeaseInformationDetails"}}, { "lang": { "en-us": { "role": { "terseLabel": "ROU assets obtained in exchange for
new operating lease liabilities", "label": "Right-of-Use Asset Obtained in Exchange for Operating Lease Liability", "documentation": "Amount of increase in right-of-use asset
obtained in exchange for operating lease liability." } } }, "auth_ref": { "r1025", "r1461"}}, "hpe_RightOfUseAssets": { "xbrltype": "monetaryItemType", "nsuri":
"http://www.hpe.com/20241031", "localname": "RightOfUseAssets", "crdr": "debit", "calculation": {
"http://www.hpe.com/role/AccountingforLeasesasaLesseeLeasesIncludedintheConsolidatedBalanceSheetsDetails": { "parentTag": null, "weight": null, "order": null, "root": true
} }, "presentation": { "http://www.hpe.com/role/AccountingforLeasesasaLesseeLeasesIncludedintheConsolidatedBalanceSheetsDetails"}}, { "lang": { "en-us": { "role": {
"totalLabel": "Total ROU assets", "label": "Right-of-Use Assets", "documentation": "Right-of-Use Assets"} } } }, "auth_ref": { "r287"}}, "us-gaap_RiskLevelHighMember": { "xbrltype":
"domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RiskLevelHighMember", "presentation": {
"http://www.hpe.com/role/AccountingforLeasesasaLessorCreditRiskProfileofFinancingReceivablesDetails"}}, { "lang": { "en-us": { "role": { "terseLabel": "High", "label": "Risk
Level, High [Member]", "documentation": "An entity's internal risk assessment as having high risk." } } }, "auth_ref": { "r129"}}, "us-gaap_RiskLevelLowMember": {
"xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RiskLevelLowMember", "presentation": {
"http://www.hpe.com/role/AccountingforLeasesasaLessorCreditRiskProfileofFinancingReceivablesDetails"}}, { "lang": { "en-us": { "role": { "terseLabel": "Low", "label": "Risk
Level, Low [Member]", "documentation": "An entity's internal risk assessment as having low risk." } } }, "auth_ref": { "r287"}}, "us-gaap_RiskLevelMediumMember": { "xbrltype":
"domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RiskLevelMediumMember", "presentation": {
"http://www.hpe.com/role/AccountingforLeasesasaLessorCreditRiskProfileofFinancingReceivablesDetails"}}, { "lang": { "en-us": { "role": { "terseLabel": "Moderate", "label": "Risk
Level, Medium [Member]", "documentation": "An entity's internal risk assessment as having medium risk." } } }, "auth_ref": { "r287"}}, "ecd_Rule10b51ArrAdoptedFlag": {
"xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "Rule10b51ArrAdoptedFlag", "presentation": {
"http://xbrl.sec.gov/ecd/role/InsiderTradingArrangements"}}, { "lang": { "en-us": { "role": { "terseLabel": "Rule 10b5-1 Arrangement Adopted", "label": "Rule 10b5-1
Arrangement Adopted [Flag]} } }, "auth_ref": { "r1576"}}, "ecd_Rule10b51ArrTrmmttdFlag": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024",
"localname": "Rule10b51ArrTrmmttdFlag", "presentation": { "http://xbrl.sec.gov/ecd/role/InsiderTradingArrangements"}}, { "lang": { "en-us": { "role": { "terseLabel": "Rule 10b5-1
Arrangement Terminated", "label": "Rule 10b5-1 Arrangement Terminated [Flag]} } }, "auth_ref": { "r1576"}}, "hpe_RussiaAndBelarusMember": { "xbrltype":
"domainItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "RussiaAndBelarusMember", "presentation": {
"http://www.hpe.com/role/AccountingforLeasesasaLessorAllowanceforDoubtfulAccountsforFinancingReceivablesDetails"}}, { "lang": { "en-us": { "role": { "terseLabel": "Russia
and Belarus", "label": "Russia and Belarus [Member]", "documentation": "Russia and Belarus"} } }, "auth_ref": { "r287"}}, "us-gaap_SaleOfStockNameOfTransactionDomain": {
"xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SaleOfStockNameOfTransactionDomain", "presentation": {
"http://www.hpe.com/role/StockBasedCompensationEmployeeStockPurchasePlanDetails"}}, { "lang": { "en-us": { "role": { "terseLabel": "Sale of Stock [Domain]", "label": "Sale of
Stock [Domain]", "documentation": "Sale of the entity's stock, including, but not limited to, initial public offering (IPO) and private placement." } } }, "auth_ref": { "r287",
"us-gaap_SalesRevenueNetMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SalesRevenueNetMember", "presentation": {
"http://www.hpe.com/role/SegmentInformationNarrativeDetail"}}, { "lang": { "en-us": { "role": { "terseLabel": "Net Revenue", "label": "Revenue Benchmark [Member]",
"documentation": "Revenue from sale of product and rendering of service and other sources of income, when it serves as benchmark in concentration of risk calculation." } } }
}, "auth_ref": { "r503", "r1596"}}, "us-gaap_SalesTypeAndDirectFinancingLeasesInterestIncome": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024",

"localname": "SalesTypeAndDirectFinancingLeasesInterestIncome", "crdr": "credit", "calculation": {
"http://www.hpe.com/role/AccountingforLeasesasaLessorLessorActivityIncludedInIncomeStatementDetails": { "parentTag": "us-gaap_LeaseIncome", "weight": 1.0, "order": 1.0 } },
"presentation": { "http://www.hpe.com/role/AccountingforLeasesasaLessorLessorActivityIncludedInIncomeStatementDetails": { "lang": { "en-us": { "role": { "terseLabel": "Interest income from sales-type leases and direct financing leases", "label": "Sales-type and Direct Financing Leases, Interest Income", "documentation": "Amount of interest income from net investment in sales-type and direct financing leases." } } }, "auth_ref": { "r1037" } }, "us-gaap_SalesTypeAndDirectFinancingLeasesLeaseReceivable": {
"xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SalesTypeAndDirectFinancingLeasesLeaseReceivable", "crdr": "debit", "calculation": {
"http://www.hpe.com/role/AccountingforLeasesasaLessorFinanceLeaseReceivableMaturityDetails": { "parentTag": "us-gaap_SalesTypeAndDirectFinancingLeasesLeaseReceivable": {
"http://www.hpe.com/role/AccountingforLeasesasaLessorFinanceLeaseReceivableMaturityDetails": { "lang": { "en-us": { "role": { "terseLabel": "Present value of lease payments (recognized as finance receivables)", "label": "Sales-type and Direct Financing Leases, Lease Receivable", "documentation": "Present value of lease payments not yet received by lessor and amount expected to be derived from underlying asset, following end of lease term guaranteed by lessee or other third party unrelated to lessor, from sales-type and direct financing leases." } } }, "auth_ref": { "r1032" }, "us-gaap_SalesTypeAndDirectFinancingLeasesLeaseReceivableMaturityTableTextBlock": { "xbrltype": "textBlockItem", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SalesTypeAndDirectFinancingLeasesLeaseReceivableMaturityTableTextBlock", "presentation": {
"http://www.hpe.com/role/AccountingforLeasesasaLessorTables": { "lang": { "en-us": { "role": { "terseLabel": "Scheduled Maturities of Minimum Lease Payments Receivable", "label": "Sales-Type and Direct Financing Leases, Payment to be Received, Maturity [Table Text Block]", "documentation": "Tabular disclosure of maturity of undiscounted cash flows to be received on annual basis for sales-type and direct financing leases receivable. Includes, but is not limited to, reconciliation to lease receivable recognized in statement of financial position." } } }, "auth_ref": { "r1032" }, "us-gaap_SalesTypeAndDirectFinancingLeasesLeaseReceivablePaymentsToBeReceived": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SalesTypeAndDirectFinancingLeasesLeaseReceivablePaymentsToBeReceived", "crdr": "debit", "calculation": {
"http://www.hpe.com/role/AccountingforLeasesasaLessorComponentsOffinancingReceivablesDetails": { "parentTag": "us-gaap_NotesReceivableGross", "weight": 1.0, "order": 3.0 }, "http://www.hpe.com/role/AccountingforLeasesasaLessorFinanceLeaseReceivableMaturityDetails": { "parentTag": null, "weight": null, "order": null, "root": true }, "http://www.hpe.com/role/AccountingforLeasesasaLessorFinanceLeaseReceivableMaturityDetails": { "parentTag": null, "weight": null, "order": null, "root": true }, "presentation": { "http://www.hpe.com/role/AccountingforLeasesasaLessorComponentsOffinancingReceivablesDetails": {
"http://www.hpe.com/role/AccountingforLeasesasaLessorFinanceLeaseReceivableMaturityDetails": { "lang": { "en-us": { "role": { "terseLabel": "Minimum lease payments receivable", "totalLabel": "Total undiscounted cash flows", "label": "Sales-Type and Direct Financing Leases, Payment to be Received", "documentation": "Amount of undiscounted cash flows to be received by lessor for sales-type and direct financing leases." } } }, "auth_ref": { "r1032" }, "us-gaap_SalesTypeAndDirectFinancingLeasesLeaseReceivablePaymentsToBeReceivedFiveYears": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SalesTypeAndDirectFinancingLeasesLeaseReceivablePaymentsToBeReceivedFiveYears", "crdr": "debit", "calculation": {
"http://www.hpe.com/role/AccountingforLeasesasaLessorFinanceLeaseReceivableMaturityDetails": { "parentTag": "us-gaap_SalesTypeAndDirectFinancingLeasesLeaseReceivablePaymentsToBeReceived", "weight": 1.0, "order": 5.0 }, "presentation": {
"http://www.hpe.com/role/AccountingforLeasesasaLessorFinanceLeaseReceivableMaturityDetails": { "lang": { "en-us": { "role": { "terseLabel": "2029", "label": "Sales-Type and Direct Financing Leases, Payment to be Received, Year Five", "documentation": "Amount of undiscounted cash flows to be received by lessor for sales-type and direct financing leases in fifth fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)." } } }, "auth_ref": { "r1032" }, "us-gaap_SalesTypeAndDirectFinancingLeasesLeaseReceivablePaymentsToBeReceivedFourYears": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SalesTypeAndDirectFinancingLeasesLeaseReceivablePaymentsToBeReceivedFourYears", "crdr": "debit", "calculation": {
"http://www.hpe.com/role/AccountingforLeasesasaLessorFinanceLeaseReceivableMaturityDetails": { "parentTag": "us-gaap_SalesTypeAndDirectFinancingLeasesLeaseReceivablePaymentsToBeReceived", "weight": 1.0, "order": 4.0 }, "presentation": {
"http://www.hpe.com/role/AccountingforLeasesasaLessorFinanceLeaseReceivableMaturityDetails": { "lang": { "en-us": { "role": { "terseLabel": "2028", "label": "Sales-Type and Direct Financing Leases, Payment to be Received, Year Four", "documentation": "Amount of undiscounted cash flows to be received by lessor for sales-type and direct financing leases in fourth fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)." } } }, "auth_ref": { "r1032" }, "us-gaap_SalesTypeAndDirectFinancingLeasesLeaseReceivablePaymentsToBeReceivedNextTwelveMonths": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SalesTypeAndDirectFinancingLeasesLeaseReceivablePaymentsToBeReceivedNextTwelveMonths", "crdr": "debit", "calculation": {
"http://www.hpe.com/role/AccountingforLeasesasaLessorFinanceLeaseReceivableMaturityDetails": { "parentTag": "us-gaap_SalesTypeAndDirectFinancingLeasesLeaseReceivablePaymentsToBeReceived", "weight": 1.0, "order": 6.0 }, "presentation": {
"http://www.hpe.com/role/AccountingforLeasesasaLessorFinanceLeaseReceivableMaturityDetails": { "lang": { "en-us": { "role": { "terseLabel": "2025", "label": "Sales-Type and Direct Financing Leases, Payment to be Received, Year One", "documentation": "Amount of undiscounted cash flows to be received by lessor for sales-type and direct financing leases in next fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)." } } }, "auth_ref": { "r1032" }, "us-gaap_SalesTypeAndDirectFinancingLeasesLeaseReceivablePaymentsToBeReceivedThereafter": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SalesTypeAndDirectFinancingLeasesLeaseReceivablePaymentsToBeReceivedThereafter", "crdr": "debit", "calculation": {
"http://www.hpe.com/role/AccountingforLeasesasaLessorFinanceLeaseReceivableMaturityDetails": { "parentTag": "us-gaap_SalesTypeAndDirectFinancingLeasesLeaseReceivablePaymentsToBeReceived", "weight": 1.0, "order": 2.0 }, "presentation": {
"http://www.hpe.com/role/AccountingforLeasesasaLessorFinanceLeaseReceivableMaturityDetails": { "lang": { "en-us": { "role": { "terseLabel": "Thereafter", "label": "Sales-Type and Direct Financing Leases, Payment to be Received, after Year Five", "documentation": "Amount of undiscounted cash flows to be received by lessor for sales-type and direct financing leases after fifth fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)." } } }, "auth_ref": { "r1032" }, "us-gaap_SalesTypeAndDirectFinancingLeasesLeaseReceivablePaymentsToBeReceivedThreeYears": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SalesTypeAndDirectFinancingLeasesLeaseReceivablePaymentsToBeReceivedThreeYears", "crdr": "debit", "calculation": {
"http://www.hpe.com/role/AccountingforLeasesasaLessorFinanceLeaseReceivableMaturityDetails": { "parentTag": "us-gaap_SalesTypeAndDirectFinancingLeasesLeaseReceivablePaymentsToBeReceived", "weight": 1.0, "order": 3.0 }, "presentation": {
"http://www.hpe.com/role/AccountingforLeasesasaLessorFinanceLeaseReceivableMaturityDetails": { "lang": { "en-us": { "role": { "terseLabel": "2027", "label": "Sales-Type and Direct Financing Leases, Payment to be Received, Year Three", "documentation": "Amount of undiscounted cash flows to be received by lessor for sales-type and direct financing leases in third fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)." } } }, "auth_ref": { "r1032" }, "us-gaap_SalesTypeAndDirectFinancingLeasesLeaseReceivablePaymentsToBeReceivedTwoYears": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SalesTypeAndDirectFinancingLeasesLeaseReceivablePaymentsToBeReceivedTwoYears", "crdr": "debit", "calculation": {
"http://www.hpe.com/role/AccountingforLeasesasaLessorFinanceLeaseReceivableMaturityDetails": { "parentTag": "us-gaap_SalesTypeAndDirectFinancingLeasesLeaseReceivablePaymentsToBeReceived", "weight": 1.0, "order": 2.0 }, "presentation": {
"http://www.hpe.com/role/AccountingforLeasesasaLessorFinanceLeaseReceivableMaturityDetails": { "lang": { "en-us": { "role": { "terseLabel": "2026", "label": "Sales-Type and Direct Financing Leases, Payment to be Received, Year Two", "documentation": "Amount of undiscounted cash flows to be received by lessor for sales-type and direct financing leases in second fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)." } } }, "auth_ref": { "r1032" }, "us-gaap_SalesTypeAndDirectFinancingLeasesLeaseReceivableUndiscountedExcessAmount": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SalesTypeAndDirectFinancingLeasesLeaseReceivableUndiscountedExcessAmount", "crdr": "debit", "calculation": {
"http://www.hpe.com/role/AccountingforLeasesasaLessorFinanceLeaseReceivableMaturityDetails": { "parentTag": "us-gaap_SalesTypeAndDirectFinancingLeasesLeaseReceivablePaymentsToBeReceived", "weight": 1.0, "order": 2.0 }, "presentation": {
"http://www.hpe.com/role/AccountingforLeasesasaLessorFinanceLeaseReceivableMaturityDetails": { "lang": { "en-us": { "role": { "terseLabel": "Lease receivable, undiscounted excess amount", "label": "Sales-type and Direct Financing Leases, Lease Receivable, Undiscounted Excess Amount", "documentation": "Amount of undiscounted lease receivable in excess of discounted receivable for sales-type and direct financing leases." } } }, "auth_ref": { "r1032" }, "us-gaap_ScheduleOfAccountsNotesLoansAndFinancingReceivableTable": { "xbrltype": "stringItem", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfAccountsNotesLoansAndFinancingReceivableTable", "presentation": { "http://www.hpe.com/role/BalanceSheetDetailsNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Accounts and Financing Receivables [Table]", "label": "Accounts and Financing Receivables [Table]", "documentation": "Disclosure of information about accounts and financing receivables. Includes, but is not limited to, amount of receivable and allowance for credit loss." } } }, "auth_ref": { "r160", "r166", "r505", "r1669" }, "us-gaap_ScheduleOfAccountsNotesLoansAndFinancingReceivableTableTextBlock": { "xbrltype": "textBlockItem", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfAccountsNotesLoansAndFinancingReceivableTableTextBlock", "presentation": { "http://www.hpe.com/role/BalanceSheetDetailsTable": { "lang": { "en-us": { "role": { "terseLabel": "Accounts Receivable, Net", "label": "Schedule of Accounts, Notes, Loans and Financing Receivable [Table Text Block]", "documentation": "Tabular disclosure of the various types of trade accounts and notes receivable and for each the gross carrying value, allowance, and net carrying value as of the balance sheet date. Presentation is categorized by current, noncurrent and unclassified receivables." } } }, "auth_ref": { "r160", "r166" }, "us-gaap_ScheduleOfAccumulatedBenefitObligationsInExcessOfFairValueOfPlanAssetsTableTextBlock": { "xbrltype": "textBlockItem", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfAccumulatedBenefitObligationsInExcessOfFairValueOfPlanAssetsTableTextBlock", "presentation": {
"http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansTables": { "lang": { "en-us": { "role": { "terseLabel": "Schedule of direct defined benefit plans with accumulated benefit obligations exceeding the fair value of plan assets", "label": "Defined Benefit Plan, Plan with Accumulated Benefit Obligation in Excess of Plan Assets [Table Text Block]", "documentation": "Tabular disclosure of benefit obligation and plan assets of defined benefit plan with accumulated benefit obligation in excess of plan assets." } } }, "auth_ref": { "r1432", "r1803" }, "us-gaap_ScheduleOfAccumulatedOtherComprehensiveIncomeLossTableTextBlock": { "xbrltype": "textBlockItem", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfAccumulatedOtherComprehensiveIncomeLossTableTextBlock", "presentation": {
"http://www.hpe.com/role/StockholdersEquityTables": { "lang": { "en-us": { "role": { "terseLabel": "Schedule of Accumulated Other Comprehensive loss, net of taxes", "label": "Schedule of Accumulated Other Comprehensive Income (Loss) [Table Text Block]", "documentation": "Tabular disclosure of the components of accumulated other comprehensive income (loss)." } } }, "auth_ref": { "r145", "r1886", "r1887" }, "hpe_ScheduleOfAcquiredFiniteAndIndefiniteLivedIntangibleAssetsByMajorClassTable": { "xbrltype": "stringItem", "nsuri": "http://www.hpe.com/20241031", "localname": "ScheduleOfAcquiredFiniteAndIndefiniteLivedIntangibleAssetsByMajorClassTable", "presentation": { "http://www.hpe.com/role/GoodwillandIntangibleAssetsIntangibleAssetsDetails": { "lang": { "en-us": { "role": { "terseLabel": "Schedule of Acquired Finite and Indefinite Lived Intangible Assets by Major Class [Table]", "label": "Schedule of Acquired Finite and Indefinite Lived Intangible Assets by Major Class [Table]", "documentation": "A schedule of the finite-lived and indefinite-lived intangible assets acquired by the entity." } } }, "auth_ref": { "r145", "r1886", "r1887" }, "us-gaap_ScheduleOfAllocationOfPlanAssetsTableTextBlock": { "xbrltype": "textBlockItem", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfAllocationOfPlanAssetsTableTextBlock", "presentation": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansTables": { "lang": { "en-us": { "role": { "terseLabel": "Schedule of weighted-average target and actual asset allocations across the benefit plans", "label": "Schedule of Allocation of Plan Assets [Table Text Block]", "documentation": "Tabular disclosure of the major categories of plan assets of pension plans and/or other employee benefit plans. This information may include, but is not limited to, the target allocation of plan assets, the fair value of each major category of plan assets, and the level within the fair value hierarchy in which the fair value measurements fall." } } }, "auth_ref": { "r216" }, "us-gaap_ScheduleOfAmountsRecognizedInBalanceSheetTableTextBlock": { "xbrltype": "textBlockItem", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfAmountsRecognizedInBalanceSheetTableTextBlock", "presentation": {
"http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansTables": { "lang": { "en-us": { "role": { "terseLabel": "Schedule of net amount recognized for the direct plans in the entity's Combined Balance Sheets", "label": "Schedule of Amounts Recognized in Balance Sheet [Table Text Block]", "documentation": "Tabular disclosure of the amounts that are recognized in the balance sheet (or statement of financial position) for pension plans and/or other employee benefit plans, showing separately the assets and current and noncurrent liabilities (if applicable) recognized." } } }, "auth_ref": { "r88" }, "us-gaap_ScheduleOfAmountsRecognizedInOtherComprehensiveIncomeLossTableTextBlock": { "xbrltype": "textBlockItem", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfAmountsRecognizedInOtherComprehensiveIncomeLossTableTextBlock", "presentation": {
"http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansTables": { "lang": { "en-us": { "role": { "terseLabel": "Summary of pre-tax net actuarial loss and prior service benefit recognized in accumulated other comprehensive loss for direct defined benefit plans", "label": "Schedule of Amounts Recognized in Other Comprehensive

Income (Loss) [Table Text Block],"documentation": "Tabular disclosure of the net gain (loss) and net prior service cost or credit recognized in other comprehensive income (loss) for the period for pension plans and/or other employee benefit plans, and reclassification adjustments of other comprehensive income (loss) for the period, as those amounts, including amortization of the net transition asset or obligation, are recognized as components of net periodic benefit cost." } } }, "auth_ref": { "r215" } }, "us-gaap_ScheduleOfAssumptionsUsedTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfAssumptionsUsedTableTextBlock", "presentation": { "http://www.hpe.com/role/OrganizationConsolidationandPresentationofFinancialStatementsTables", "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansTables" }, "lang": { "en-us" }, "role": { "terseLabel": "Schedule of weighted average assumptions used to calculate net benefit (credit) cost", "label": "Defined Benefit Plan, Assumptions [Table Text Block]", "documentation": "Tabular disclosure of assumption used to determine benefit obligation and net periodic benefit cost of defined benefit plan. Includes, but is not limited to, discount rate, rate of compensation increase, expected long-term rate of return on plan assets and interest crediting rate." } } }, "auth_ref": { "r788" } }, "hpe_ScheduleOfAssumptionsUsedToCalculateBenefitObligationTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "ScheduleOfAssumptionsUsedToCalculateBenefitObligationTableTextBlock", "presentation": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansTables" }, "lang": { "en-us" }, "role": { "terseLabel": "Schedule of weighted average assumptions used to calculate the projected benefit obligations", "label": "Schedule of Assumptions Used to Calculate Benefit Obligation [Table Text Block]", "documentation": "Tabular disclosure of weighted average assumptions used in calculation of the benefit obligation. For defined benefit pension plans, the benefit obligation is the projected benefit obligation, which is the actuarial present value as of a date of all benefits attributed by the pension benefit formula to employee service rendered prior to that date. For other postretirement defined benefit plans, the benefit obligation is the accumulated postretirement benefit obligation, which is the actuarial present value of benefits attributed to employee service rendered to a particular date." } } }, "auth_ref": { "r1432", "r1802" } }, "us-gaap_ScheduleOfBusinessAcquisitionsByAcquisitionTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfBusinessAcquisitionsByAcquisitionTable", "presentation": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansTables" }, "lang": { "en-us" }, "role": { "terseLabel": "Schedule of direct defined benefit plans with projected benefit obligations exceeding the fair value of plan assets", "label": "Defined Benefit Plan, Plan with Projected Benefit Obligation in Excess of Plan Assets [Table Text Block]", "documentation": "Tabular disclosure of benefit obligation and plan assets for defined benefit pension plan with projected benefit obligation in excess of plan assets." } } }, "auth_ref": { "r1432", "r1802" } }, "us-gaap_ScheduleOfBusinessAcquisitionsByAcquisitionTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfBusinessAcquisitionsByAcquisitionTable", "presentation": { "http://www.hpe.com/role/AcquisitionsandDispositionsAggregatePurchasePriceAllocationDetails", "http://www.hpe.com/role/AcquisitionsandDispositionsNarrativeDetails" }, "lang": { "en-us" }, "role": { "terseLabel": "Schedule of Business Acquisitions, by Acquisition [Table]", "documentation": "Disclosure of information about business combination. Includes, but is not limited to, recognized asset and liability." } } }, "auth_ref": { "r100", "r101", "r937" } }, "us-gaap_ScheduleOfCashAndCashEquivalentsTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfCashAndCashEquivalentsTable", "presentation": { "http://www.hpe.com/role/FinancialInstrumentsCashEquivalentsandAvailableForSaleInvestmentsDetails" }, "lang": { "en-us" }, "role": { "terseLabel": "Schedule of Cash Equivalents and Available For Sale Investments [Table]", "label": "Cash and Cash Equivalent [Table]", "documentation": "Disclosure of information about cash and cash equivalent by type. Excludes restricted cash and cash equivalent." } } }, "auth_ref": { "r100", "r101", "r937" } }, "us-gaap_ScheduleOfCashAndCashEquivalentsTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfCashAndCashEquivalentsTableTextBlock", "presentation": { "http://www.hpe.com/role/BalanceSheetDetailsTable" }, "lang": { "en-us" }, "role": { "terseLabel": "Schedule of Cash and Cash Equivalents", "label": "Schedule of Cash and Cash Equivalents [Table Text Block]", "documentation": "Tabular disclosure of the components of cash and cash equivalents." } } }, "auth_ref": { "r100", "r101", "r937" } }, "hpe_ScheduleOfCashEquivalentsAndAvailableForSaleInvestmentsReconciliationTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "ScheduleOfCashEquivalentsAndAvailableForSaleInvestmentsReconciliationTableTextBlock", "presentation": { "http://www.hpe.com/role/FinancialInstrumentsTables" }, "lang": { "en-us" }, "role": { "terseLabel": "Cash Equivalents and Available-for-Sale Investments", "label": "Schedule of Cash Equivalents and Available For Sale Investments Reconciliation [Table Text Block]", "documentation": "Tabular disclosure of the reconciliation of cash equivalents and available-for-sale securities from cost basis to fair value." } } }, "auth_ref": { "r100", "r101", "r937" } }, "us-gaap_ScheduleOfCashFlowHedgesIncludedInAccumulatedOtherComprehensiveIncomeLossTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfCashFlowHedgesIncludedInAccumulatedOtherComprehensiveIncomeLossTableTextBlock", "presentation": { "http://www.hpe.com/role/FinancialInstrumentsTables" }, "lang": { "en-us" }, "role": { "terseLabel": "Pre-Tax Effect of Derivative Instruments in Cash Flow Hedging Relationships", "label": "Schedule of Cash Flow Hedges Included in Accumulated Other Comprehensive Income (Loss) [Table Text Block]", "documentation": "Tabular disclosure of gain (loss) on derivative and nonderivative instruments designated and qualifying as cash flow hedge recorded in accumulated other comprehensive income (AOCI) and reclassified into earnings." } } }, "auth_ref": { "r231" } }, "hpe_ScheduleOfClassificationOfDeferredTaxAssetsAndLiabilitiesTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "ScheduleOfClassificationOfDeferredTaxAssetsAndLiabilitiesTableTextBlock", "presentation": { "http://www.hpe.com/role/TaxesonEarningsTables" }, "lang": { "en-us" }, "role": { "terseLabel": "Schedule of current and long-term deferred tax assets and liabilities", "label": "Schedule of Classification of Deferred Tax Assets and Liabilities [Table Text Block]", "documentation": "Tabular disclosure of classification of deferred tax assets and liabilities." } } }, "auth_ref": { "r231" } }, "us-gaap_ScheduleOfCompensationCostForShareBasedPaymentArrangementsAllocationOfShareBasedCompensationCostsByPlanTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfCompensationCostForShareBasedPaymentArrangementsAllocationOfShareBasedCompensationCostsByPlanTableTextBlock", "presentation": { "http://www.hpe.com/role/StockBasedCompensationTables" }, "lang": { "en-us" }, "role": { "terseLabel": "Schedule of stock based compensation expense and the resulting tax benefits", "label": "Share-Based Payment Arrangement, Cost by Plan [Table Text Block]", "documentation": "Tabular disclosure of cost recognized for award under share-based payment arrangement by plan. Includes, but is not limited to, related tax benefit." } } }, "auth_ref": { "r96" } }, "us-gaap_ScheduleOfComponentsOfIncomeTaxExpenseBenefitTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfComponentsOfIncomeTaxExpenseBenefitTableTextBlock", "presentation": { "http://www.hpe.com/role/TaxesonEarningsTables" }, "lang": { "en-us" }, "role": { "terseLabel": "Schedule of provision for (benefit from) taxes on earnings", "label": "Schedule of Components of Income Tax Expense (Benefit) [Table Text Block]", "documentation": "Tabular disclosure of the components of income tax expense attributable to continuing operations for each year presented including, but not limited to: current tax expense (benefit), deferred tax expense (benefit), investment tax credits, government grants, the benefits of operating loss carryforwards, tax expense that results from allocating certain tax benefits either directly to contributed capital or to reduce goodwill or other noncurrent intangible assets of an acquired entity, adjustments of a deferred tax liability or asset for enacted changes in tax laws or rates or a change in the tax status of the entity, and adjustments of the beginning-of-the-year balances of a valuation allowance because of a change in circumstances that causes a change in judgment about the realizability of the related deferred tax asset in future years." } } }, "auth_ref": { "r1853" } }, "hpe_ScheduleOfDebtInstrumentsTable": { "xbrltype": "stringItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "ScheduleOfDebtInstrumentsTable", "presentation": { "http://www.hpe.com/role/BorrowingsNarrativeDetails" }, "lang": { "en-us" }, "role": { "terseLabel": "Schedule of Debt Instruments [Table]", "label": "Schedule of Debt Instruments [Table]", "documentation": "A table or schedule providing information pertaining to short-term and long-term debt instruments or arrangements, including identification, terms, features, collateral requirements and other information necessary to a fair presentation." } } }, "auth_ref": { "r100", "r101", "r937" } }, "us-gaap_ScheduleOfDebtInstrumentsTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfDebtInstrumentsTableTextBlock", "presentation": { "http://www.hpe.com/role/BorrowingsTables" }, "lang": { "en-us" }, "role": { "terseLabel": "Schedule of long-term debt", "label": "Schedule of Long-Term Debt Instruments [Table Text Block]", "documentation": "Tabular disclosure of long-term debt instruments or arrangements, including identification, terms, features, collateral requirements and other information necessary to a fair presentation. These are debt arrangements that originally required repayment more than twelve months after issuance or greater than the normal operating cycle of the entity, if longer." } } }, "auth_ref": { "r142", "r80", "r82", "r142", "r211", "r212", "r1422", "r1424", "r1645", "r1889" } }, "us-gaap_ScheduleOfDeferredTaxAssetsAndLiabilitiesTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfDeferredTaxAssetsAndLiabilitiesTableTextBlock", "presentation": { "http://www.hpe.com/role/TaxesonEarningsTables" }, "lang": { "en-us" }, "role": { "terseLabel": "Schedule of significant components of deferred tax assets and deferred tax liabilities", "label": "Schedule of Deferred Tax Assets and Liabilities [Table Text Block]", "documentation": "Tabular disclosure of the components of net deferred tax asset or liability recognized in an entity's statement of financial position, including the following: the total of all deferred tax liabilities, the total of all deferred tax assets, the total valuation allowance recognized for deferred tax assets." } } }, "auth_ref": { "r1849" } }, "us-gaap_ScheduleOfDefinedBenefitPlansDisclosuresTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfDefinedBenefitPlansDisclosuresTable", "presentation": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansChangesInFairValueMeasurementsOfLevel3InvestmentsForTheNonUSDefinedBenefitPlansDetails", "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansFairValueOfNonUSDefinedBenefitPlanAssetsByAssetCategoryWithinTheFairValueHierarchyDetails", "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansFundedStatusOfPlansDetails", "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansWeightedAverageAssumptionsUsedToCalculateTheProjectedBenefitObligationsDetails" }, "lang": { "en-us" }, "role": { "terseLabel": "Defined Benefit Plan [Table]", "label": "Defined Benefit Plan [Table]", "documentation": "Disclosure of information about individual defined benefit pension plan or other postretirement defined benefit plan. It may be appropriate to group certain similar plans. Also includes schedule for fair value of plan assets by major categories of plan assets by the level within the fair value hierarchy in which the fair value measurements in their entirety fall, segregating fair value measurements using quoted prices in active markets for identical assets or liabilities (Level 1), significant other observable inputs (Level 2), and significant unobservable inputs (Level 3)." } } }, "auth_ref": { "r22", "r89", "r90", "r91", "r92" } }, "us-gaap_ScheduleOfDerivativeInstrumentsGainLossInStatementOfFinancialPerformanceTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfDerivativeInstrumentsGainLossInStatementOfFinancialPerformanceTableTextBlock", "presentation": { "http://www.hpe.com/role/FinancialInstrumentsTables" }, "lang": { "en-us" }, "role": { "terseLabel": "Effect of Derivative Instruments on the Statement of Earnings", "label": "Derivative Instruments, Gain (Loss) [Table Text Block]", "documentation": "Tabular disclosure of the location and amount of derivative instruments and nonderivative instruments designated as hedging instruments reported before netting adjustments, and the amount of gain (loss) on derivative instruments and nonderivative instruments designated and qualified as hedging instruments." } } }, "auth_ref": { "r121", "r124", "r955" } }, "us-gaap_ScheduleOfDerivativeInstrumentsInStatementOfFinancialPositionFairValueTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfDerivativeInstrumentsInStatementOfFinancialPositionFairValueTableTextBlock", "presentation": { "http://www.hpe.com/role/FinancialInstrumentsTables" }, "lang": { "en-us" }, "role": { "terseLabel": "Gross Notional and Fair Value of Derivative Instruments in the Combined and Consolidated Balance Sheets", "label": "Schedule of Derivative Instruments in Statement of Financial Position, Fair Value [Table Text Block]", "documentation": "Tabular disclosure of the location and fair value amounts of derivative instruments (and nonderivative instruments that are designated and qualify as hedging instruments) reported in the statement of financial position." } } }, "auth_ref": { "r122" } }, "us-gaap_ScheduleOfEarningsPerShareBasicAndDilutedTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfEarningsPerShareBasicAndDilutedTableTextBlock", "presentation": { "http://www.hpe.com/role/NetEarningsLossPerShareTables" }, "lang": { "en-us" }, "role": { "terseLabel": "Basic and diluted net Earnings Per Share calculations", "label": "Schedule of Earnings Per Share, Basic and Diluted [Table Text Block]", "documentation": "Tabular disclosure of an entity's basic and diluted earnings per share calculations, including a reconciliation of numerators and denominators of the basic and diluted per-share computations for income from continuing operations." } } }, "auth_ref": { "r1656" } }, "us-gaap_ScheduleOfEarningsPerShareBasicByCommonClassTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfEarningsPerShareBasicByCommonClassTable", "presentation": { "http://www.hpe.com/role/NetEarningsPerShareDetails" }, "lang": { "en-us" }, "role": { "terseLabel": "Earnings Per Share, Basic, by Common Class, Including Two-Class Method [Table]", "label": "Earnings Per Share, Basic, by Common Class, Including Two-Class Method [Table]", "documentation": "Disclosure of information about basic earnings per share by class of stock. Includes, but is not limited to, two-class method." } } }, "auth_ref": { "r57", "r60", "r435", "r439", "r448" } }, "us-gaap_ScheduleOfEffectOfSignificantUnobservableInputsChangesInPlanAssetsTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfEffectOfSignificantUnobservableInputsChangesInPlanAssetsTableTextBlock", "presentation": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansTables" }, "lang": { "en-us" }, "role": { "terseLabel": "Schedule of changes in fair value measurements of Level 3 investments for Direct non-U.S. defined benefit plans", "label": "Schedule of Effect of Significant Unobservable Inputs, Changes in Plan Assets [Table Text Block]", "documentation": "Tabular disclosure of the effect of fair value measurements using significant unobservable inputs (Level 3) on changes in plan assets of pension plans and/or other employee benefit plans for the period." } } }, "auth_ref": { "r1778" } }, "us-gaap_ScheduleOfEffectiveIncomeTaxRateReconciliationTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfEffectiveIncomeTaxRateReconciliationTableTextBlock", "presentation": { "http://www.hpe.com/role/TaxesonEarningsTables" }, "lang": { "en-us" }, "role": { "terseLabel": "Schedule of differences between the U.S. federal statutory income tax rate and effective tax rate", "label": "Schedule of Effective Income Tax Rate Reconciliation [Table Text Block]", "documentation": "Tabular disclosure of the reconciliation using

percentage or dollar amounts of the reported amount of income tax expense attributable to continuing operations for the year to the amount of income tax expense that would result from applying domestic federal statutory tax rates to pretax income from continuing operations." } } } , "auth_ref": { "r890", "r1445", "r1844" } } } , "us-gaap_ScheduleOfEmployeeServiceShareBasedCompensationAllocationOfRecognizedPeriodCostsTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfEmployeeServiceShareBasedCompensationAllocationOfRecognizedPeriodCostsTable", "presentation": { "http://www.hpe.com/role/StockBasedCompensationConsolidatedStatementofEarningsLocationofStockBasedCompensationExpenseDetails": { "lang": { "en-us": { "role": { "terseLabel": "Share-Based Payment Arrangement, Expensed and Capitalized, Amount [Table]", "label": "Share-Based Payment Arrangement, Expensed and Capitalized, Amount [Table]", "documentation": "Disclosure of information about amount recognized for award under share-based payment arrangement. Includes, but is not limited to, amount expensed in statement of income or comprehensive income, amount capitalized in statement of financial position, and corresponding reporting line item in financial statements." } } } , "auth_ref": { "r96" } } } , "us-gaap_ScheduleOfEmployeeServiceShareBasedCompensationAllocationOfRecognizedPeriodCostsTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfEmployeeServiceShareBasedCompensationAllocationOfRecognizedPeriodCostsTextBlock", "presentation": { "http://www.hpe.com/role/StockBasedCompensationTables": { "lang": { "en-us": { "role": { "terseLabel": "Stock-based compensation expense", "label": "Share-Based Payment Arrangement, Expensed and Capitalized, Amount [Table Text Block]", "documentation": "Tabular disclosure of allocation of amount expensed and capitalized for award under share-based payment arrangement to statement of income or comprehensive income and statement of financial position. Includes, but is not limited to, corresponding line item in financial statement." } } } , "auth_ref": { "r96" } } } , "us-gaap_ScheduleOfEntityWideDisclosureOnGeographicAreasLongLivedAssetsInIndividualForeignCountriesByCountryTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfEntityWideDisclosureOnGeographicAreasLongLivedAssetsInIndividualForeignCountriesByCountryTextBlock", "presentation": { "http://www.hpe.com/role/SegmentInformationTables": { "lang": { "en-us": { "role": { "terseLabel": "Net Property, Plant and Equipment by Geographical Areas", "label": "Schedule of Disclosure on Geographic Areas, Long-Lived Assets in Individual Foreign Countries by Country [Table Text Block]", "documentation": "Tabular disclosure of the names of foreign countries in which material long-lived assets other than financial instruments, long-term customer relationships of a financial institution, mortgage and other servicing rights, deferred policy acquisition costs, and deferred tax assets are located, and amount of such long-lived assets located in that country or foreign geographic area." } } } , "auth_ref": { "r198" } } } , "srt_ScheduleOfEquityMethodInvestmentEquityMethodInvesteeNameAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/srt/2024", "localname": "ScheduleOfEquityMethodInvestmentEquityMethodInvesteeNameAxis", "presentation": { "http://www.hpe.com/role/AcquisitionsandDispositionsNarrativeDetails": { "http://www.hpe.com/role/EquityInterestsEarningsfromEquityInterestDetails": { "http://www.hpe.com/role/EquityInterestsNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Investment, Name [Axis]", "label": "Investment, Name [Axis]", "documentation": "Information by name of investment including named security. Excludes entity that is consolidated." } } } , "auth_ref": { "r544", "r545", "r547", "r931", "r1589", "r1590", "r1591", "r1856", "r1857", "r1858", "r1859" } } } , "us-gaap_ScheduleOfEquityMethodInvestmentsLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfEquityMethodInvestmentsLineItems", "presentation": { "http://www.hpe.com/role/EquityInterestsEarningsfromEquityInterestDetails": { "http://www.hpe.com/role/EquityInterestsNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Schedule of Equity Method Investments [Line Items]", "label": "Schedule of Equity Method Investments [Line Items]", "documentation": "Line items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table." } } } , "auth_ref": { "r410", "r544", "r545", "r547", "r548", "r992" } } } , "us-gaap_ScheduleOfEquityMethodInvestmentsTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfEquityMethodInvestmentsTable", "presentation": { "http://www.hpe.com/role/EquityInterestsEarningsfromEquityInterestDetails": { "http://www.hpe.com/role/EquityInterestsNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Equity Method Investment [Table]", "label": "Equity Method Investment [Table]", "documentation": "Disclosure of information about equity method investment. Includes, but is not limited to, name of investee or group of investees, percentage ownership, difference between investment and value of underlying equity in net assets." } } } , "auth_ref": { "r346", "r410", "r544", "r545", "r547", "r548", "r992" } } } , "us-gaap_ScheduleOfExpectedBenefitPaymentsTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfExpectedBenefitPaymentsTableTextBlock", "presentation": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansTables": { "lang": { "en-us": { "role": { "terseLabel": "Schedule of estimated future benefits payable for the Company's direct retirement plans", "label": "Schedule of Expected Benefit Payments [Table Text Block]", "documentation": "Tabular disclosure of benefits expected to be paid by pension plans and/or other employee benefit plans in each of the next five fiscal years and in the aggregate for the five fiscal years thereafter." } } } , "auth_ref": { "r217" } } } , "us-gaap_ScheduleOfFairValueAssetsAndLiabilitiesMeasuredOnRecurringBasisTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfFairValueAssetsAndLiabilitiesMeasuredOnRecurringBasisTableTextBlock", "presentation": { "http://www.hpe.com/role/FairValueTables": { "lang": { "en-us": { "role": { "terseLabel": "Assets and Liabilities Measured at Fair Value on a Recurring Basis", "label": "Schedule of Fair Value, Assets and Liabilities Measured on Recurring Basis [Table Text Block]", "documentation": "Tabular disclosure of assets and liabilities, including financial instruments measured at fair value that are classified in stockholders' equity, if any, that are measured at fair value on a recurring basis. The disclosures contemplated herein include the fair value measurements at the reporting date by the level within the fair value hierarchy in which the fair value measurements in their entirety fall, segregating fair value measurements using quoted prices in active markets for identical assets (Level 1), significant other observable inputs (Level 2), and significant unobservable inputs (Level 3)." } } } , "auth_ref": { "r1870", "r1871" } } } , "us-gaap_ScheduleOfFairValueHedgingInstrumentsStatementsOfFinancialPerformanceAndFinancialPositionLocationTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfFairValueHedgingInstrumentsStatementsOfFinancialPerformanceAndFinancialPositionLocationTableTextBlock", "presentation": { "http://www.hpe.com/role/FinancialInstrumentsTables": { "lang": { "en-us": { "role": { "terseLabel": "Pre-Tax Effect of Derivative Instruments and Related Hedged Items in a Fair Value Hedging Relationship", "label": "Schedule of Fair Value Hedging Instruments, Statements of Financial Performance and Financial Position, Location [Table Text Block]", "documentation": "Tabular disclosure for fair value hedging instruments of (a) the location and amount of gains and losses reported in the statement of financial performance and (b) the location and fair value amounts of the instruments reported in the statement of financial position." } } } , "auth_ref": { "r125" } } } , "hpe_ScheduleOfFairValueOfPlanAssetsByMeasurementLevelsTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "ScheduleOfFairValueOfPlanAssetsByMeasurementLevelsTableTextBlock", "presentation": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansTables": { "lang": { "en-us": { "role": { "terseLabel": "Schedule of fair value of direct plan non-U.S. defined benefit plan assets by asset category within the fair value hierarchy", "label": "Schedule of Fair Value of Plan Assets by Measurement Levels [Table Text Block]", "documentation": "Tabular disclosure of the fair value of defined benefit plan assets by the level within the fair value hierarchy in which the fair value measurements fall, segregating fair value measurements using quoted prices in active markets for identical assets or liabilities (Level 1), significant other observable inputs (Level 2), and significant unobservable inputs (Level 3)." } } } , "auth_ref": { } } } , "us-gaap_ScheduleOfFinancingReceivableAllowanceForCreditLossesTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfFinancingReceivableAllowanceForCreditLossesTable", "presentation": { "http://www.hpe.com/role/AccountingforLeasesasLessorCreditRiskProfileOfFinancingReceivablesDetails": { "lang": { "en-us": { "role": { "terseLabel": "Financing Receivable, Allowance for Credit Loss [Table]", "label": "Financing Receivable, Allowance for Credit Loss [Table]", "documentation": "Disclosure of information about allowance for credit loss on financing receivable." } } } , "auth_ref": { "r300", "r1690" } } } , "us-gaap_ScheduleOfFinancingReceivableRecordedInvestmentCreditQualityIndicatorTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfFinancingReceivableRecordedInvestmentCreditQualityIndicatorTable", "presentation": { "http://www.hpe.com/role/AccountingforLeasesasLessorAllowanceforDoubtfulAccountsforFinancingReceivablesDetails": { "lang": { "en-us": { "role": { "terseLabel": "Financing Receivable, Credit Quality Indicator [Table]", "label": "Financing Receivable, Credit Quality Indicator [Table]", "documentation": "Disclosure of information about credit quality indicator for financing receivable." } } } , "auth_ref": { "r264", "r1414", "r1692" } } } , "us-gaap_ScheduleOfFinancingReceivablesPastDueTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfFinancingReceivablesPastDueTable", "presentation": { "http://www.hpe.com/role/AccountingforLeasesasLessorSummaryofAgingandNonaccrualStatusofGrossFinancingReceivablesDetails": { "lang": { "en-us": { "role": { "terseLabel": "Financing Receivable, Past Due [Table]", "label": "Financing Receivable, Past Due [Table]", "documentation": "Disclosure of information about aging analysis for financing receivable." } } } , "auth_ref": { "r1415", "r1691" } } } , "us-gaap_ScheduleOfFiniteLivedIntangibleAssetsTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfFiniteLivedIntangibleAssetsTableTextBlock", "presentation": { "http://www.hpe.com/role/GoodwillandIntangibleAssetsTables": { "lang": { "en-us": { "role": { "terseLabel": "Schedule of intangible assets", "label": "Schedule of Finite-Lived Intangible Assets [Table Text Block]", "documentation": "Tabular disclosure of assets, excluding financial assets and goodwill, lacking physical substance with a finite life, by either major class or business segment." } } } , "auth_ref": { "r1418", "r1713" } } } , "us-gaap_ScheduleOfGoodwillTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfGoodwillTable", "presentation": { "http://www.hpe.com/role/GoodwillandIntangibleAssetsCarryingValueofGoodwillbyReportableSegmentDetails": { "http://www.hpe.com/role/GoodwillandIntangibleAssetsNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Goodwill [Table]", "label": "Goodwill [Table]", "documentation": "Disclosure of information about goodwill, including, but not limited to, change from acquisition, sale, impairment, and other reason." } } } , "auth_ref": { "r597", "r598", "r599", "r600", "r601", "r602", "r603", "r604", "r605", "r606", "r607", "r1417" } } } , "us-gaap_ScheduleOfGoodwillTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfGoodwillTextBlock", "presentation": { "http://www.hpe.com/role/GoodwillandIntangibleAssetsTables": { "lang": { "en-us": { "role": { "terseLabel": "Schedule of allocation and changes in the carrying amount of goodwill", "label": "Schedule of Goodwill [Table Text Block]", "documentation": "Tabular disclosure of goodwill by reportable segment and in total which includes a rollforward schedule." } } } , "auth_ref": { "r1417", "r1695", "r1696", "r1697", "r1698", "r1699", "r1700", "r1701", "r1702", "r1703", "r1704", "r1705" } } } , "us-gaap_ScheduleOfIncomeBeforeIncomeTaxDomesticAndForeignTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfIncomeBeforeIncomeTaxDomesticAndForeignTableTextBlock", "presentation": { "http://www.hpe.com/role/TaxesonEarningsTables": { "lang": { "en-us": { "role": { "terseLabel": "Schedule of domestic and foreign components of earnings before taxes", "label": "Schedule of Income before Income Tax, Domestic and Foreign [Table Text Block]", "documentation": "Tabular disclosure of income before income tax between domestic and foreign jurisdictions." } } } , "auth_ref": { "r1643" } } } , "hpe_ScheduleOfInterestExpenseTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "ScheduleOfInterestExpenseTableTextBlock", "presentation": { "http://www.hpe.com/role/BorrowingsTables": { "lang": { "en-us": { "role": { "terseLabel": "Schedule of interest expense on borrowings recognized in the Combined and Consolidated Statements of Earnings", "label": "Schedule of Interest Expense [Table Text Block]", "documentation": "Tabular disclosure of the amount of interest rate expenses related to borrowings." } } } , "auth_ref": { } } } , "us-gaap_ScheduleOfInventoryCurrentTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfInventoryCurrentTableTextBlock", "presentation": { "http://www.hpe.com/role/BalanceSheetDetailsTable": { "lang": { "en-us": { "role": { "terseLabel": "Inventory", "label": "Schedule of Inventory, Current [Table Text Block]", "documentation": "Tabular disclosure of the carrying amount as of the balance sheet date of merchandise, goods, commodities, or supplies held for future sale or to be used in manufacturing, servicing or production process." } } } , "auth_ref": { "r43", "r167", "r168", "r169" } } } , "us-gaap_ScheduleOfInvestmentsTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfInvestmentsTable", "presentation": { "http://www.hpe.com/role/FinancialInstrumentsNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Investment Holdings [Table]", "label": "Schedule of Investments [Table]", "documentation": "Disclosure of information about investments owned by investment company." } } } , "auth_ref": { "r1280", "r1281", "r1282", "r1283", "r1284", "r1285", "r1286", "r1287", "r1288", "r1289", "r1290", "r1291", "r1292", "r1293", "r1294", "r1295", "r1296", "r1297", "r1298", "r1299", "r1301", "r1303", "r1307", "r1308", "r1309", "r1310", "r1311", "r1312", "r1313", "r1314", "r1315", "r1316", "r1317", "r1318", "r1319", "r1320", "r1321", "r1322", "r1323", "r1324", "r1325", "r1326", "r1327", "r1328", "r1329", "r1330", "r1330", "r1340", "r1341", "r1342", "r1343", "r1344", "r1345", "r1346", "r1347", "r1348", "r1349", "r1350", "r1351", "r1354", "r1355", "r1356", "r1357", "r1358", "r1359" } } } , "us-gaap_ScheduleOfLossContingenciesByContingencyTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfLossContingenciesByContingencyTextBlock", "presentation": { "http://www.hpe.com/role/GuaranteesandIndemnificationsTables": { "lang": { "en-us": { "role": { "terseLabel": "Schedule of indemnified litigation matters and other contingencies", "label": "Schedule of Loss Contingencies by Contingency [Table Text Block]", "documentation": "Tabular disclosure of the loss contingencies that were reported in the period or disclosed as of the balance sheet date." } } } , "auth_ref": { "r1729", "r1731", "r1733", "r1735" } } } , "us-gaap_ScheduleOfMaturitiesOfLongTermDebtTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfMaturitiesOfLongTermDebtTableTextBlock", "presentation": { "http://www.hpe.com/role/BorrowingsTables": { "lang": { "en-us": { "role": { "terseLabel": "Schedule of aggregate future maturities of long-term debt at face value", "label": "Schedule of Maturities of Long-Term Debt [Table Text Block]", "documentation": "Tabular disclosure of maturity and sinking fund requirement for long-term debt." } } } , "auth_ref": { "r21" } } } , "us-gaap_ScheduleOfNetBenefitCostsTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfNetBenefitCostsTableTextBlock", "presentation": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansTables": { "lang": { "en-us": { "role": { "terseLabel": "Summary of Net Benefit Cost", "label": "Schedule of

Net-Benefit Costs [Table Text Block], "documentation": "Tabular disclosure of the components of net benefit costs for pension plans and/or other employee benefit plans including service cost, interest cost, expected return on plan assets, gain (loss), prior service cost or credit, transition asset or obligation, and gain (loss) recognized due to settlements or curtailments." } } }, "auth_ref": { "r218" } }, "us-gaap_ScheduleOfNetInvestmentHedgesInAccumulatedOtherComprehensiveIncomeLossTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfNetInvestmentHedgesInAccumulatedOtherComprehensiveIncomeLossTableTextBlock", "presentation": { "http://www.hpe.com/role/FinancialInstrumentsTables"}, "lang": { "en-us"}, "role": { "terseLabel": "Pre-Tax Effect of Derivative Instruments in Net Investment Hedging Relationships", "label": "Schedule of Net Investment Hedges in Accumulated Other Comprehensive Income (Loss) [Table Text Block]", "documentation": "Tabular disclosure of the effective portion of gains and losses on derivative instruments (and nonderivative instruments) designated and qualifying in net investment hedges recorded in accumulated other comprehensive income (loss) during the term of the hedging relationship and reclassified into earnings during the current period." } } }, "auth_ref": { "r1866" } }, "us-gaap_ScheduleOfOtherAssetsNoncurrentTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfOtherAssetsNoncurrentTextBlock", "presentation": { "http://www.hpe.com/role/BalanceSheetDetailsTable"}, "lang": { "en-us"}, "role": { "terseLabel": "Long-Term Financing Receivables and Other Assets", "label": "Schedule of Other Assets, Noncurrent [Table Text Block]", "documentation": "Tabular disclosure of noncurrent assets." } } }, "auth_ref": { "r1624" } }, "us-gaap_ScheduleOfPropertyPlantAndEquipmentTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfPropertyPlantAndEquipmentTable", "presentation": { "http://www.hpe.com/role/BalanceSheetDetailsPropertyPlantandEquipmentDetails"}, "lang": { "en-us"}, "role": { "terseLabel": "Property, Plant and Equipment [Table]", "label": "Property, Plant and Equipment [Table]", "documentation": "Disclosure of information about physical assets used in the normal conduct of business and not intended for resale. Includes, but is not limited to, balances by class of assets, depreciation and depletion expense and method used, including composite depreciation, and accumulated depreciation." } } }, "auth_ref": { "r20", "r1029" } }, "hpe_ScheduleOfReceivablesSoldButNotCollectedFromThirdPartyTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "ScheduleOfReceivablesSoldButNotCollectedFromThirdPartyTableTextBlock", "presentation": { "http://www.hpe.com/role/BalanceSheetDetailsTable"}, "lang": { "en-us"}, "role": { "terseLabel": "Schedule of transferred trade receivables not collected from the third parties", "label": "Schedule of Receivables Sold But Not Collected from Third Party [Table Text Block]", "documentation": "Tabular disclosure of amount of trade receivables sold to the third party, but not collected from the third party under revolving short term financing arrangement facilities." } } }, "auth_ref": { "r1"}, "us-gaap_ScheduleOfRecognizedIdentifiedAssetsAcquiredAndLiabilitiesAssumedTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfRecognizedIdentifiedAssetsAcquiredAndLiabilitiesAssumedTableTextBlock", "presentation": { "http://www.hpe.com/role/AcquisitionsandDispositionsTables"}, "lang": { "en-us"}, "role": { "terseLabel": "Aggregate purchase price allocation, including preliminary allocations", "label": "Schedule of Recognized Identified Assets Acquired and Liabilities Assumed [Table Text Block]", "documentation": "Tabular disclosure of the amounts recognized as of the acquisition date for each major class of assets acquired and liabilities assumed. May include but not limited to the following: (a) acquired receivables; (b) contingencies recognized at the acquisition date; and (c) the fair value of noncontrolling interests in the acquiree." } } }, "auth_ref": { "r224" } }, "us-gaap_ScheduleOfRestructuringAndRelatedCostsTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfRestructuringAndRelatedCostsTable", "presentation": { "http://www.hpe.com/role/TransformationProgramsNarrativeDetails"}, "lang": { "en-us"}, "role": { "terseLabel": "Restructuring Cost [Table]", "label": "Restructuring Cost [Table]", "documentation": "Disclosure of information about restructuring cost. Includes, but is not limited to, expected cost, cost incurred, statement of income caption that includes restructuring cost recognized, and amount of restructuring reserve." } } }, "auth_ref": { "r640", "r641", "r642", "r643", "r646", "r647", "r648" } }, "us-gaap_ScheduleOfRestructuringAndRelatedCostsTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfRestructuringAndRelatedCostsTextBlock", "presentation": { "http://www.hpe.com/role/TransformationProgramsTables"}, "lang": { "en-us"}, "role": { "terseLabel": "Restructuring and Related Costs", "label": "Restructuring and Related Costs [Table Text Block]", "documentation": "Tabular disclosure of costs incurred for restructuring including, but not limited to, exit and disposal activities, remediation, implementation, integration, asset impairment, and charges against earnings from the write-down of assets." } } }, "auth_ref": { "r76", "r204", "r205" } }, "us-gaap_ScheduleOfRestructuringReserveByTypeOfCostTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfRestructuringReserveByTypeOfCostTextBlock", "presentation": { "http://www.hpe.com/role/TransformationProgramsTables"}, "lang": { "en-us"}, "role": { "verboseLabel": "Schedule of Restructuring Reserve by Cost", "label": "Schedule of Restructuring Reserve by Type of Cost [Table Text Block]", "documentation": "Tabular disclosure of an entity's restructuring reserve that occurred during the period associated with the exit from or disposal of business activities or restructurings for each major type of cost. This element may also include a description of any reversal and other adjustment made during the period to the amount of an accrued liability for restructuring activities. This element may be used to encapsulate the roll forward presentations of an entity's restructuring reserve by type of cost and in total, and explanation of changes that occurred in the period." } } }, "auth_ref": { "r77", "r206" } }, "us-gaap_ScheduleOfRevenueFromExternalCustomersAttributedToForeignCountriesByGeographicAreaTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfRevenueFromExternalCustomersAttributedToForeignCountriesByGeographicAreaTableTextBlock", "presentation": { "http://www.hpe.com/role/SegmentInformationTables"}, "lang": { "en-us"}, "role": { "terseLabel": "Net Revenue by Geographical Areas", "label": "Schedule of Revenue from External Customers Attributed to Foreign Countries by Geographic Area [Table Text Block]", "documentation": "Tabular disclosure of the names of foreign countries from which revenue is material and the amount of revenue from external customers attributed to those countries. An entity may also provide subtotals of geographic information about groups of countries." } } }, "auth_ref": { "r176", "r197" } }, "us-gaap_ScheduleOfSegmentReportingInformationBySegmentTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfSegmentReportingInformationBySegmentTable", "presentation": { "http://www.hpe.com/role/OverviewandSummaryofSignificantAccountingPoliciesNarrativeDetails"}, "lang": { "en-us"}, "role": { "terseLabel": "Segment Operating Results Details", "label": "Segment Operating Results from Continuing Operations Details"}, "documentation": "Disclosure of Segment Reporting Information, by Segment [Table]", "presentation": { "http://www.hpe.com/role/SegmentReportingInformationBySegmentTableTextBlock"}, "lang": { "en-us"}, "role": { "terseLabel": "Segment Operating Results from Continuing Operations", "label": "Schedule of Segment Reporting Information, by Segment [Table Text Block]", "documentation": "Tabular disclosure of the profit or loss and total assets for each reportable segment. An entity discloses certain information on each reportable segment if the amounts (a) are included in the measure of segment profit or loss reviewed by the chief operating decision maker or (b) are otherwise regularly provided to the chief operating decision maker, even if not included in that measure of segment profit or loss." } } }, "auth_ref": { "r60", "r69", "r70" } }, "us-gaap_ScheduleOfShareBasedCompensationArrangementsByShareBasedPaymentAwardTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfShareBasedCompensationArrangementsByShareBasedPaymentAwardTable", "presentation": { "http://www.hpe.com/role/StockBasedCompensationEmployeeStockPurchasePlanDetails"}, "lang": { "en-us"}, "role": { "terseLabel": "Schedule of Share-based Compensation Arrangements by Share-based Payment Award [Table]", "label": "Schedule of Share-Based Compensation Arrangements by Share-Based Payment Award [Table]", "documentation": "Disclosure of information about share-based payment arrangement." } } }, "auth_ref": { "r831", "r832", "r836", "r837", "r838", "r840", "r841", "r842", "r843", "r844", "r845", "r847", "r848", "r849", "r850", "r851", "r852", "r853", "r854", "r855", "r856", "r857", "r860", "r861", "r862", "r863", "r864" } }, "us-gaap_ScheduleOfShortTermDebtTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfShortTermDebtTable", "presentation": { "http://www.hpe.com/role/BorrowingsNotesPayableandShortTermBorrowingsDetails"}, "lang": { "en-us"}, "role": { "terseLabel": "Schedule of Short-term Debt [Table]", "label": "Short-Term Debt [Table]", "documentation": "Disclosure of information about short-term debt arrangement. Includes, but is not limited to, description of arrangement, lender, repayment term, weighted-average interest rate, borrowed amount, and description and amount of refinancing of short-term obligation when obligation is excluded from current liability." } } }, "auth_ref": { "r149" } }, "hpe_ScheduleOfTradeReceivablesSoldAndCashReceivedTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "ScheduleOfTradeReceivablesSoldAndCashReceivedTableTextBlock", "presentation": { "http://www.hpe.com/role/BalanceSheetDetailsTable"}, "lang": { "en-us"}, "role": { "terseLabel": "Schedule of revolving short-term financing arrangements", "label": "Schedule of Trade Receivables Sold and Cash Received [Table Text Block]", "documentation": "Tabular disclosure of trade receivables sold to the third party and cash received from the third party under revolving short term financing arrangement facilities." } } }, "auth_ref": { "r1"}, "us-gaap_ScheduleOfUnrecognizedTaxBenefitsRollForwardTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfUnrecognizedTaxBenefitsRollForwardTableTextBlock", "presentation": { "http://www.hpe.com/role/TaxesonEarningsTables"}, "lang": { "en-us"}, "role": { "terseLabel": "Schedule of reconciliation of gross unrecognized tax benefits", "label": "Schedule of Unrecognized Tax Benefits Roll Forward [Table Text Block]", "documentation": "Tabular disclosure of the change in unrecognized tax benefits." } } }, "auth_ref": { "r903", "r1444" } }, "us-gaap_ScheduleOfVariableInterestEntitiesTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfVariableInterestEntitiesTable", "presentation": { "http://www.hpe.com/role/AccountingforLeasesasLessorAssetsandLiabilitiesofVIEDetails"}, "lang": { "en-us"}, "role": { "terseLabel": "Variable Interest Entity [Table]", "label": "Variable Interest Entity [Table]", "documentation": "Disclosure of information about variable interest held, whether or not such variable interest entity (VIE) is included in consolidated financial statements." } } }, "auth_ref": { "r107", "r108", "r109", "r110", "r111", "r942", "r943", "r948", "r949", "r1059", "r1060", "r1061" } }, "us-gaap_ScheduleOfVariableInterestEntitiesTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfVariableInterestEntitiesTextBlock", "presentation": { "http://www.hpe.com/role/AccountingforLeasesasLessorTables"}, "lang": { "en-us"}, "role": { "terseLabel": "Schedule of Variable Interest Entities", "label": "Schedule of Variable Interest Entities [Table Text Block]", "documentation": "Tabular disclosure of the significant judgments and assumptions made in determining whether a variable interest (as defined) held by the entity requires the variable interest entity (VIE) (as defined) to be consolidated and (or) disclose information about its involvement with the VIE, individually or in aggregate (as applicable); the nature of restrictions, if any, on the consolidated VIE's assets and on the settlement of its liabilities reported by an entity in its statement of financial position, including the carrying amounts of such assets and liabilities; the nature of, and changes in, the risks associated with involvement in the VIE; how involvement with the VIE affects the entity's financial position, financial performance, and cash flows; the lack of recourse if creditors (or beneficial interest holders) of the consolidated VIE have no recourse to the general credit of the primary beneficiary (if applicable); the terms of arrangements, giving consideration to both explicit arrangements and implicit variable interests, if any, that could require the entity to provide financial support to the VIE, including events or circumstances that could expose the entity to a loss; the methodology used by the entity for determining whether or not it is the primary beneficiary of the variable interest entity; the significant factors considered and judgments made in determining that the power to direct the activities of a VIE that most significantly impact the VIE's economic performance are shared (as defined); the carrying amounts and classification of assets and liabilities of the VIE included in the statement of financial position; the entity's maximum exposure to loss, if any, as a result of its involvement with the VIE, including how the maximum exposure is determined and significant sources of the entity's exposure to the VIE; a comparison of the carrying amounts of the assets and liabilities and the entity's maximum exposure to loss; information about any liquidity arrangements, guarantees, and (or) other commitments by third parties that may affect the fair value or risk of the entity's variable interest in the VIE; whether or not the entity has provided financial support or other support (explicitly or implicitly) to the VIE that it was not previously contractually required to provide or whether the entity intends to provide that support, including the type and amount of the support and the primary reasons for providing the support; and supplemental information the entity determines necessary to provide." } } }, "auth_ref": { "r107", "r108", "r109", "r110", "r111" } }, "hpe_ScheduleOfAcquired

"ScheduleofShortTermDebtandCurrentPortionofLongTermDebtTableTextBlock", "presentation": f"http://www.hpe.com/role/BorrowingsTables", "lang": f"en-us", "role": f"terseLabel": "Schedule of notes payable and short-term borrowings, including the current portion of long-term debt", "label": "Schedule of Short Term Debt and Current Portion of Long-Term Debt [Table Text Block]", "documentation": "Schedule of Short Term Debt and Current Portion of Long-Term Debt [Table Text Block]"}}, "auth_ref": f"us-gaap_SecuredDebt", f"xbrltype": "monetaryItemType", "nsuri": f"http://fasb.org/us-gaap/2024", "localname": "SecuredDebt", "crdr": "credit", "calculation": f"http://www.hpe.com/role/BorrowingsLongTermDebtDetails": f"parentTag": "us-gaap_LongTermDebtAndCapitalLeaseObligations", "weight": 1.0, "order": 4.0}}, "presentation": f"http://www.hpe.com/role/BorrowingsLongTermDebtDetails", "lang": f"en-us", "role": f"terseLabel": "Secured debt", "label": "Secured Debt", "documentation": "Carrying value as of the balance sheet date, including the current and noncurrent portions of collateralized debt obligations (with maturities initially due after one year or beyond the operating cycle, if longer). Such obligations include mortgage loans, chattel loans, and any other borrowings secured by assets of the borrower."}}, "auth_ref": f"r42", "r243", "r1912", "us-gaap_SecuritiesBorrowedCollateralObligationToReturnSecurities": f"xbrltype": "monetaryItemType", "nsuri": f"http://fasb.org/us-gaap/2024", "localname": "SecuritiesBorrowedCollateralObligationToReturnSecurities", "crdr": "credit", "presentation": f"http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansFairValueofNonUSDefinedBenefitPlanAssetsbyAssetCategoryWithintheFairValueHierarchyDetails", "lang": f"en-us", "role": f"terseLabel": "Repurchase investments", "label": "Security Borrowed, Subject to Master Netting Arrangement, Collateral, Obligation to Return Security Not Offset", "documentation": "Amount of obligation to return securities collateral under master netting arrangements that have not been offset against securities borrowed."}}, "auth_ref": f"r38", "r372", "dei_Security12bTitle": f"xbrltype": "securityTitleItemType", "nsuri": f"http://xbrl.sec.gov/dei/2024", "localname": "Security12bTitle", "presentation": f"http://www.hpe.com/role/CoverPage", "lang": f"en-us", "role": f"terseLabel": "Title of 12(b) Security", "label": "Title of 12(b) Security", "documentation": "Title of a 12(b) registered security."}}, "auth_ref": f"r149", "dei_SecurityExchangeName": f"xbrltype": "edgarExchangeCodeItemType", "nsuri": f"http://xbrl.sec.gov/dei/2024", "localname": "SecurityExchangeName", "presentation": f"http://www.hpe.com/role/CoverPage", "lang": f"en-us", "role": f"terseLabel": "Security Exchange Name", "label": "Security Exchange Name", "documentation": "Name of the Exchange on which a security is registered."}}, "auth_ref": f"r1500", "us-gaap_SegmentContinuingOperationsMember": f"xbrltype": "domainItemType", "nsuri": f"http://fasb.org/us-gaap/2024", "localname": "SegmentContinuingOperationsMember", "presentation": f"http://www.hpe.com/role/StockBasedCompensationConsolidatedStatementofEarningsLocationofStockBasedCompensationExpenseDetails", "lang": f"en-us", "role": f"terseLabel": "Continuing Operations", "label": "Continuing Operations [Member]", "documentation": "Component of an entity expected to operate in the foreseeable future."}}, "auth_ref": f"us-gaap_SegmentDomain": f"xbrltype": "domainItemType", "nsuri": f"http://fasb.org/us-gaap/2024", "localname": "SegmentDomain", "presentation": f"http://www.hpe.com/role/BorrowingsLongTermDebtDetails": f"http://www.hpe.com/role/FairValueNarrativeDetails", "http://www.hpe.com/role/GoodwillandIntangibleAssetsCarryingValueofGoodwillbyReportableSegmentDetails", "http://www.hpe.com/role/GoodwillandIntangibleAssetsNarrativeDetails", "http://www.hpe.com/role/SegmentInformationSegmentOperatingResultsfromContinuingOperationsDetails", "lang": f"en-us", "role": f"terseLabel": "Segments [Domain]", "label": "Segments [Domain]", "documentation": "Components of an entity that engage in business activities from which they may earn revenue and incur expenses, including transactions with other components of the same entity."}}, "auth_ref": f"r252", "r253", "r254", "r255", "r456", "r462", "r465", "r466", "r467", "r468", "r469", "r470", "r471", "r472", "r473", "r474", "r476", "r477", "r479", "r480", "r481", "r489", "r490", "r491", "r492", "r493", "r495", "r496", "r497", "r503", "r597", "r598", "r599", "r600", "r601", "r602", "r603", "r604", "r605", "r620", "r643", "r648", "r1153", "r1154", "r1155", "r1156", "r1157", "r1158", "r1159", "r1160", "r1161", "r1162", "r1163", "r1403", "r1406", "r1407", "r1417", "r1477", "r1915", "r1919", "r1920", "r1921", "r1922", "r1923", "r1924", "r1925", "r1926", "r1927", "r1928", "r1929", "r1930", "r1931", "r1932", "r1933", "r1934", "r1935", "r1936", "r1937", "r1938", "r1939", "r1940", "r1941", "r1942", "r1943", "r1944", "r1946", "r1947", "srt_SegmentGeographicalDomain": f"xbrltype": "domainItemType", "nsuri": f"http://fasb.org/srt/2024", "localname": "SegmentGeographicalDomain", "presentation": f"http://www.hpe.com/role/AccountingforLeasesasaLessorAllowanceforDoubtfulAccountsforFinancingReceivablesDetails", "http://www.hpe.com/role/OverviewandSummaryofSignificantAccountingPoliciesNarrativeDetails", "http://www.hpe.com/role/SegmentInformationRevenuebyGeographicRegionDetails", "lang": f"en-us", "role": f"terseLabel": "Geographical [Domain]", "label": "Geographical [Domain]", "documentation": "Geographical area."}}, "auth_ref": f"r303", "r305", "r308", "r310", "r317", "r318", "r319", "r320", "r322", "r323", "r324", "r325", "r326", "r327", "r501", "r502", "r1086", "r1087", "r1088", "r1089", "r1090", "r1091", "r1092", "r1093", "r1094", "r1095", "r1096", "r1097", "r1098", "r1099", "r1100", "r1101", "r1102", "r1103", "r1104", "r1105", "r1106", "r1107", "r1108", "r1109", "r1110", "r1111", "r1112", "r1113", "r1114", "r1115", "r1211", "r1215", "r1217", "r1289", "r1306", "r1327", "r1356", "r1367", "r1370", "r1371", "r1372", "r1373", "r1375", "r1376", "r1377", "r1378", "r1379", "r1387", "r1428", "r1464", "r1465", "r1466", "r1467", "r1468", "r1469", "r1470", "r1471", "r1476", "r1484", "r1752", "r1915", "r1919", "r1920", "r1922", "r1923", "r1924", "r1925", "r1926", "r1927", "r1928", "r1929", "r1930", "r1931", "r1932", "r1933", "r1934", "r1935", "r1936", "r1937", "r1938", "r1939", "r1940", "r1941", "r1942", "r1943", "r1944", "r1946", "r1947", "us-gaap_SegmentOperatingActivitiesDomain": f"xbrltype": "domainItemType", "nsuri": f"http://fasb.org/us-gaap/2024", "localname": "SegmentOperatingActivitiesDomain", "presentation": f"http://www.hpe.com/role/StockBasedCompensationConsolidatedStatementofEarningsLocationofStockBasedCompensationExpenseDetails", "lang": f"en-us", "role": f"terseLabel": "Operating Activities [Domain]", "label": "Operating Activities [Domain]", "documentation": "Operations of an entity including continuing and discontinued operations."}}, "auth_ref": f"us-gaap_SegmentReportingAbstract": f"xbrltype": "stringItemType", "nsuri": f"http://fasb.org/us-gaap/2024", "localname": "SegmentReportingAbstract", "lang": f"en-us", "role": f"terseLabel": "Segment Reporting [Abstract]", "label": "Segment Reporting [Abstract]"}}, "auth_ref": f"us-gaap_SegmentReportingDisclosureTextBlock": f"xbrltype": "textBlockItemType", "nsuri": f"http://fasb.org/us-gaap/2024", "localname": "SegmentReportingDisclosureTextBlock", "presentation": f"http://www.hpe.com/role/SegmentInformation", "lang": f"en-us", "role": f"terseLabel": "Segment Information", "label": "Segment Reporting Disclosure [Text Block]", "documentation": "The entire disclosure for reporting segments including data and tables. Reportable segments include those that meet any of the following quantitative thresholds a) it's reported revenue, including sales to external customers and intersegment sales or transfers is 10 percent or more of the combined revenue, internal and external, of all operating segments b) the absolute amount of its reported profit or loss is 10 percent or more of the greater, in absolute amount of 1) the combined reported profit of all operating segments that did not report a loss or 2) the combined reported loss of all operating segments that did report a loss c) its assets are 10 percent or more of the combined assets of all operating segments."}}, "auth_ref": f"r255", "r456", "r461", "r462", "r463", "r464", "r465", "r478", "r480", "r481", "r493", "r494", "r495", "r496", "r497", "r499", "r500", "r503", "r1401", "r1404", "r1405", "r1406", "r1408", "r1410", "r1411", "hpe_SegmentReportingInformationCorporateAndUnallocatedCostsGainsAndEliminations": f"xbrltype": "monetaryItemType", "nsuri": f"http://www.hpe.com/20241031", "localname": "SegmentReportingInformationCorporateAndUnallocatedCostsGainsAndEliminations", "crdr": "debit", "calculation": f"http://www.hpe.com/role/SegmentInformationReconciliationofSegmentOperatingResultsDetails": f"parentTag": "us-gaap_IncomeLossFromContinuingOperationsBeforeIncomeTaxesExtraordinaryItemsNoncontrollingInterest", "weight": -1.0, "order": 2.0}}, "presentation": f"http://www.hpe.com/role/SegmentInformationReconciliationofSegmentOperatingResultsDetails", "lang": f"en-us", "role": f"negatedLabel": "Unallocated corporate costs and eliminations", "label": "Segment Reporting Information Corporate and Unallocated Costs, Gains and Eliminations", "documentation": "Amount of reconciling item for corporate and unallocated costs, gains and eliminations."}}, "auth_ref": f"us-gaap_SegmentReportingInformationLineItems": f"xbrltype": "stringItemType", "nsuri": f"http://fasb.org/us-gaap/2024", "localname": "SegmentReportingInformationLineItems", "presentation": f"http://www.hpe.com/role/OverviewandSummaryofSignificantAccountingPoliciesNarrativeDetails", "http://www.hpe.com/role/SegmentInformationNarrativeDetail", "http://www.hpe.com/role/SegmentInformationReconciliationofSegmentOperatingResultsDetails", "http://www.hpe.com/role/SegmentInformationRevenuebyGeographicRegionDetails", "http://www.hpe.com/role/SegmentInformationSegmentOperatingResultsfromContinuingOperationsDetails", "lang": f"en-us", "role": f"terseLabel": "Segment Reporting Information", "label": "Segment Reporting Information [Line Items]", "documentation": "Line items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table."}}, "auth_ref": f"us-gaap_SegmentReportingInformationOperatingIncomeLossAbstract": f"xbrltype": "stringItemType", "nsuri": f"http://fasb.org/us-gaap/2024", "localname": "SegmentReportingInformationOperatingIncomeLossAbstract", "presentation": f"http://www.hpe.com/role/SegmentInformationReconciliationofSegmentOperatingResultsDetails", "lang": f"en-us", "role": f"terseLabel": "Earnings Before Taxes", "label": "Segment Reporting Information, Operating Income (Loss) [Abstract]"}}, "auth_ref": f"us-gaap_SegmentReportingInformationRevenueAbstract": f"xbrltype": "stringItemType", "nsuri": f"http://fasb.org/us-gaap/2024", "localname": "SegmentReportingInformationRevenueAbstract", "presentation": f"http://www.hpe.com/role/SegmentInformationReconciliationofSegmentOperatingResultsDetails", "lang": f"en-us", "role": f"terseLabel": "Net Revenue", "label": "Segment Reporting Information, Revenue for Reportable Segment [Abstract]"}}, "auth_ref": f"us-gaap_SegmentReportingPolicyTextBlock": f"xbrltype": "textBlockItemType", "nsuri": f"http://fasb.org/us-gaap/2024", "localname": "SegmentReportingPolicyTextBlock", "presentation": f"http://www.hpe.com/role/OverviewandSummaryofSignificantAccountingPolicies", "lang": f"en-us", "role": f"terseLabel": "Segment Realignment", "label": "Segment Reporting, Policy [Policy Text Block]", "documentation": "Disclosure of accounting policy for segment reporting."}}, "auth_ref": f"r482", "r483", "r484", "r485", "r486", "r487", "r488", "r498", "r501", "r1402", "r1403", "r1409", "us-gaap_SellingGeneralAndAdministrativeExpense": f"xbrltype": "monetaryItemType", "nsuri": f"http://fasb.org/us-gaap/2024", "localname": "SellingGeneralAndAdministrativeExpense", "crdr": "debit", "calculation": f"http://www.hpe.com/role/ConsolidatedStatementsofEarnings": f"parentTag": "us-gaap_CostsAndExpenses", "weight": 1.0, "order": 3.0}}, "presentation": f"http://www.hpe.com/role/ConsolidatedStatementsofEarnings", "lang": f"en-us", "role": f"terseLabel": "Selling, general and administrative", "label": "Selling, General and Administrative Expense", "documentation": "The aggregate total costs related to selling a firm's product and services, as well as all other general and administrative expenses. Direct selling expenses (for example, credit, warranty, and advertising) are expenses that can be directly linked to the sale of specific products. Indirect selling expenses are expenses that cannot be directly linked to the sale of specific products, for example telephone expenses, Internet, and postal charges. General and administrative expenses include salaries of non-sales personnel, rent, utilities, communication, etc."}}, "auth_ref": f"r183", "us-gaap_SellingGeneralAndAdministrativeExpensesMember": f"xbrltype": "domainItemType", "nsuri": f"http://fasb.org/us-gaap/2024", "localname": "SellingGeneralAndAdministrativeExpensesMember", "presentation": f"http://www.hpe.com/role/StockBasedCompensationConsolidatedStatementofEarningsLocationofStockBasedCompensationExpenseDetails", "lang": f"en-us", "role": f"terseLabel": "Selling, general and administrative", "label": "Selling, General and Administrative Expenses [Member]", "documentation": "Primary financial statement caption encompassing selling, general and administrative expense."}}, "auth_ref": f"us-gaap_SeniorNotes": f"xbrltype": "monetaryItemType", "nsuri": f"http://fasb.org/us-gaap/2024", "localname": "SeniorNotes", "crdr": "credit", "presentation": f"http://www.hpe.com/role/BorrowingsNarrativeDetails", "lang": f"en-us", "role": f"terseLabel": "Senior notes", "label": "Senior Notes", "documentation": "Including the current and noncurrent portions, carrying value as of the balance sheet date of Notes with the highest claim on the assets of the issuer in case of bankruptcy or liquidation (with maturities initially due after one year or beyond the operating cycle if longer). Senior note holders are paid off in full before any payments are made to junior note holders."}}, "auth_ref": f"r243", "r1912", "hpe_SeniorNotes2015IssuedAtDiscountToParDueOctober2025Member": f"xbrltype": "domainItemType", "nsuri": f"http://www.hpe.com/20241031", "localname": "SeniorNotes2015IssuedAtDiscountToParDueOctober2025Member", "presentation": f"http://www.hpe.com/role/BorrowingsLongTermDebtDetails", "lang": f"en-us", "role": f"terseLabel": "\$2,500 issued at discount to par at a price of 99.725% in October 2015 at 4.90%, due October 15, 2025, interest payable semi-annually on April 15 and October 15 of each year", "label": "Senior Notes 2015, Issued At Discount To Par, Due October 2025 [Member]", "documentation": "Senior notes issued at discount to par, due in October 2025."}}, "auth_ref": f"hpe_SeniorNotes2015IssuedAtDiscountToParDueOctober2035Member": f"xbrltype": "domainItemType", "nsuri": f"http://www.hpe.com/20241031", "localname": "SeniorNotes2015IssuedAtDiscountToParDueOctober2035Member", "presentation": f"http://www.hpe.com/role/BorrowingsLongTermDebtDetails", "lang": f"en-us", "role": f"terseLabel": "\$750 issued at discount to par at a price of 99.942% in October 2015 at 6.20%, due October 15, 2035, interest payable semi-annually on April 15 and October 15 of each year", "label": "Senior Notes 2015, Issued At Discount To Par, Due October 2035 [Member]", "documentation": "Senior notes issued at discount to par, due in October 2035."}}, "auth_ref": f"hpe_SeniorNotes2015IssuedAtDiscountToParDueOctober2045Member": f"xbrltype": "domainItemType", "nsuri": f"http://www.hpe.com/20241031", "localname": "SeniorNotes2015IssuedAtDiscountToParDueOctober2045Member", "presentation": f"http://www.hpe.com/role/BorrowingsLongTermDebtDetails", "lang": f"en-us", "role": f"terseLabel": "\$1,500 issued at discount to par at a price of 99.932% in October 2015 at 6.35%, due October 15, 2045, interest payable semi-annually on April 15 and October 15 of each year", "label": "Senior Notes 2015, Issued At Discount To Par, Due October 2045 [Member]", "documentation": "Senior Notes 2015, Issued At Discount To Par, Due October 2045"}}, "auth_ref": f"hpe_SeniorNotes2020IssuedAtDiscountToParDueApril2024Member": f"xbrltype": "domainItemType", "nsuri": f"http://www.hpe.com/20241031", "localname": "SeniorNotes2020IssuedAtDiscountToParDueApril2024Member", "presentation": f"http://www.hpe.com/role/BorrowingsLongTermDebtDetails", "lang": f"en-us", "role": f"terseLabel": "\$1,000 issued at discount to par at a price of 99.883% in July 2020 at 1.45%, due April 1, 2024, interest payable semi-annually on April 1 and October 1 of each year", "label": "Senior Notes 2020, Issued At Discount To Par, Due April 2024 [Member]", "documentation": "Senior Notes 2020, Issued At Discount To Par, Due April 2024"}}, "auth_ref": f

[illegible]

assumed through acquisition (in dollars per share)"; "label": "Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Grants in Period, Weighted Average Grant Date Fair Value"; "documentation": "The weighted average fair value at grant date for nonvested equity-based awards issued during the period on other than stock (or unit) option plans (for example, phantom stock or unit plan, stock or unit appreciation rights plan, performance target plan)"; "auth_ref": "r851"; "us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsNonvestedNumber": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsNonvestedNumber", "presentation": "http://www.hpe.com/role/StockBasedCompensationSummaryofRestrictedStockActivityDetails", "lang": { "en-us": { "role": { "periodStartLabel": "Outstanding at beginning of period (in shares)", "periodEndLabel": "Outstanding at end of period (in shares)", "label": "Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Nonvested, Number", "documentation": "The number of non-vested equity-based payment instruments, excluding stock (or unit) options, that validly exist and are outstanding as of the balance sheet date." } } }, "auth_ref": "r848", "r849"; "us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsNonvestedRollForward": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsNonvestedRollForward", "presentation": "http://www.hpe.com/role/StockBasedCompensationSummaryofRestrictedStockActivityDetails", "lang": { "en-us": { "role": { "terseLabel": "Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Nonvested, Number of Shares [Roll Forward]", "label": "Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Nonvested, Number of Shares [Roll Forward]", "documentation": "A roll forward is a reconciliation of a concept from the beginning of a period to the end of a period." } } }, "auth_ref": "r852"; "us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsNonvestedWeightedAverageGrantDateFairValue": { "xbrltype": "perShareItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsNonvestedWeightedAverageGrantDateFairValue", "presentation": "http://www.hpe.com/role/StockBasedCompensationSummaryofRestrictedStockActivityDetails", "lang": { "en-us": { "role": { "periodStartLabel": "Outstanding at beginning of period (in dollars per share)", "periodEndLabel": "Outstanding at end of period (in dollars per share)", "label": "Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Nonvested, Weighted Average Grant Date Fair Value", "documentation": "Per share or unit weighted-average fair value of nonvested award under share-based payment arrangement. Excludes share and unit options." } } }, "auth_ref": "r848", "r849"; "us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsNonvestedWeightedAverageGrantDateFairValueRollForward": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsNonvestedWeightedAverageGrantDateFairValueRollForward", "presentation": "http://www.hpe.com/role/StockBasedCompensationSummaryofRestrictedStockActivityDetails", "lang": { "en-us": { "role": { "terseLabel": "Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Nonvested, Weighted Average Grant Date Fair Value [Abstract]", "label": "Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Nonvested, Weighted Average Grant Date Fair Value [Abstract]", "documentation": "The number of equity-based payment instruments, excluding stock (or unit) options, that vested during the reporting period." } } }, "auth_ref": "r852"; "us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsVestedInPeriodTotalFairValue": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsVestedInPeriodTotalFairValue", "presentation": "http://www.hpe.com/role/StockBasedCompensationSummaryofRestrictedStockActivityDetails", "lang": { "en-us": { "role": { "negatedLabel": "Vested (in shares)", "label": "Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Vested in Period", "documentation": "The number of equity-based payment instruments, excluding stock (or unit) options, that vested during the reporting period." } } }, "auth_ref": "r852"; "us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsVestedInPeriodTotalFairValue": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsVestedInPeriodTotalFairValue", "presentation": "http://www.hpe.com/role/StockBasedCompensationSummaryofRestrictedStockActivityDetails", "lang": { "en-us": { "role": { "terseLabel": "Total grant date fair value of restricted stock vested", "label": "Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Vested in Period, Fair Value", "documentation": "Fair value of share-based awards for which the grantee gained the right by satisfying service and performance requirements, to receive or retain shares or units, other instruments, or cash." } } }, "auth_ref": "r855"; "us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsVestedInPeriodWeightedAverageGrantDateFairValue": { "xbrltype": "perShareItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsVestedInPeriodWeightedAverageGrantDateFairValue", "presentation": "http://www.hpe.com/role/StockBasedCompensationSummaryofRestrictedStockActivityDetails", "lang": { "en-us": { "role": { "terseLabel": "Vested (in dollars per share)", "label": "Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Vested in Period, Weighted Average Grant Date Fair Value", "documentation": "The weighted average fair value as of grant date pertaining to an equity-based award plan other than a stock (or unit) option plan for which the grantee gained the right during the reporting period, by satisfying service and performance requirements, to receive or retain shares or units, other instruments, or cash in accordance with the terms of the arrangement." } } }, "auth_ref": "r852"; "us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShareBasedCompensationArrangementByShareBasedPaymentAwardLineItems", "presentation": "http://www.hpe.com/role/StockBasedCompensationNarrativeDetails", "lang": { "en-us": { "role": { "terseLabel": "Share-based compensation", "label": "Share-Based Compensation Arrangement by Share-Based Payment Award [Line Items]", "documentation": "Line items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table." } } }, "auth_ref": "r831", "r833", "r836", "r840", "r841", "r842", "r843", "r844", "r845", "r846", "r847", "r848", "r849", "r850", "r851", "r852", "r853", "r854", "r855", "r856", "r857", "r860", "r861", "r862", "r863", "r864"; "us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardMaximumEmployeeSubscriptionRate": { "xbrltype": "percentItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShareBasedCompensationArrangementByShareBasedPaymentAwardMaximumEmployeeSubscriptionRate", "presentation": "http://www.hpe.com/role/StockBasedCompensationEmployeeStockPurchasePlanDetails", "lang": { "en-us": { "role": { "terseLabel": "Maximum contribution limit as percentage of base compensation (as a percent)", "label": "Share-Based Compensation Arrangement by Share-Based Payment Award, Maximum Employee Subscription Rate", "documentation": "The highest percentage of annual salary that an employee is permitted to utilize with respect to the plan." } } }, "auth_ref": "r94"; "us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardNumberofSharesAuthorized": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShareBasedCompensationArrangementByShareBasedPaymentAwardNumberofSharesAuthorized", "presentation": "http://www.hpe.com/role/StockBasedCompensationNarrativeDetails", "lang": { "en-us": { "role": { "terseLabel": "Number of shares authorized and available for issuance (shares)", "label": "Share-Based Compensation Arrangement by Share-Based Payment Award, Number of Shares Authorized", "documentation": "Number of shares authorized for issuance under share-based payment arrangement." } } }, "auth_ref": "r1442"; "us-gaap_ShareBasedCompensationArrangementsByShareBasedPaymentAwardAwardTypeAndPlanNameDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShareBasedCompensationArrangementsByShareBasedPaymentAwardAwardTypeAndPlanNameDomain", "presentation": "http://www.hpe.com/role/StockBasedCompensationSummaryofRestrictedStockActivityDetails", "lang": { "en-us": { "role": { "terseLabel": "Award Type [Domain]", "label": "Award Type [Domain]", "documentation": "Award under share-based payment arrangement." } } }, "auth_ref": "r836", "r837", "r838", "r840", "r841", "r842", "r843", "r844", "r845", "r846", "r847", "r848", "r849", "r850", "r851", "r852", "r853", "r854", "r855", "r856", "r857", "r860", "r861", "r862", "r863", "r864"; "us-gaap_ShareBasedCompensationOptionAndIncentivePlansPolicy": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShareBasedCompensationOptionAndIncentivePlansPolicy", "presentation": "http://www.hpe.com/role/OverviewandSummaryofSignificantAccountingPoliciesPolicies", "lang": { "en-us": { "role": { "terseLabel": "Stock-Based Compensation", "label": "Share-Based Payment Arrangement [Policy Text Block]", "documentation": "Disclosure of accounting policy for award under share-based payment arrangement. Includes, but is not limited to, methodology and assumption used in measuring cost." } } }, "auth_ref": "r830", "r839", "r858", "r859", "r860", "r861", "r864", "r870", "r871", "r872", "r873"; "srt_ShareRepurchaseProgramAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/srt/2024", "localname": "ShareRepurchaseProgramAxis", "presentation": "http://www.hpe.com/role/StockholdersEquityNarrativeDetails", "lang": { "en-us": { "role": { "terseLabel": "Share Repurchase Program [Axis]", "label": "Share Repurchase Program [Axis]", "documentation": "Information by share repurchase program." } } }, "auth_ref": "r1750"; "srt_ShareRepurchaseProgramDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/srt/2024", "localname": "ShareRepurchaseProgramDomain", "presentation": "http://www.hpe.com/role/StockholdersEquityNarrativeDetails", "lang": { "en-us": { "role": { "terseLabel": "Share Repurchase Program [Domain]", "label": "Share Repurchase Program [Domain]", "documentation": "Name of share repurchase program." } } }, "auth_ref": "r1750"; "hpe_ShareRepurchaseProgramMember": { "xbrltype": "domainItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "ShareRepurchaseProgramMember", "presentation": "http://www.hpe.com/role/StockholdersEquityNarrativeDetails", "lang": { "en-us": { "role": { "terseLabel": "Share Repurchase Program", "label": "Share Repurchase Program", "documentation": "Represents the Company's share repurchase program." } } }, "auth_ref": "r854", "r855", "r856", "r857", "r858", "r859", "r860", "r861", "r864", "r870", "r871", "r872", "r873"; "us-gaap_SharebasedCompensationArrangementBySharebasedPaymentAwardPurchasePriceOfCommonStockPercent": { "xbrltype": "percentItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SharebasedCompensationArrangementBySharebasedPaymentAwardPurchasePriceOfCommonStockPercent", "presentation": "http://www.hpe.com/role/StockBasedCompensationEmployeeStockPurchasePlanDetails", "lang": { "en-us": { "role": { "terseLabel": "Stock purchase price as a percentage of the fair market value on the purchase date", "label": "Share-Based Compensation Arrangement by Share-Based Payment Award, Purchase Price of Common Stock, Percent", "documentation": "Purchase price of common stock expressed as a percentage of its fair value." } } }, "auth_ref": "r854", "r855", "r856", "r857", "r858", "r859", "r860", "r861", "r864", "r870", "r871", "r872", "r873"; "us-gaap_ShortTermBorrowings": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShortTermBorrowings", "presentation": "http://www.hpe.com/role/BorrowingsNotesPayableandShortTermBorrowingsDetails", "lang": { "en-us": { "role": { "terseLabel": "Notes Payable and Short-Term Borrowings", "label": "Short-Term Debt [Line Items]", "documentation": "Line items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table." } } }, "auth_ref": "r854", "r855", "r856", "r857", "r858", "r859", "r860", "r861", "r864", "r870", "r871", "r872", "r873"; "us-gaap_ShortTermDebtTypeAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShortTermDebtTypeAxis", "presentation": "http://www.hpe.com/role/BorrowingsNotesPayableandShortTermBorrowingsDetails", "lang": { "en-us": { "role": { "terseLabel": "Short-term Debt, Type [Axis]", "label": "Short-Term Debt, Type [Axis]", "documentation": "Information by type of short-term debt arrangement." } } }, "auth_ref": "r147", "r148", "r149", "r150", "r151", "r152", "r153", "r154", "r155", "r156", "r157", "r158", "r159", "r160", "r161", "r162", "r163", "r164", "r165", "r166", "r167", "r168", "r169", "r170", "r171", "r172", "r173", "r174", "r175", "r176", "r177", "r178", "r179", "r180", "r181", "r182", "r183", "r184", "r185", "r186", "r187", "r188", "r189", "r190", "r191", "r192", "r193", "r194", "r195", "r196", "r197", "r198", "r199", "r200", "r201", "r202", "r203", "r204", "r205", "r206", "r207", "r208", "r209", "r210", "r211", "r212", "r213", "r214", "r215", "r216", "r217", "r218", "r219", "r220", "r221", "r222", "r223", "r224", "r225", "r226", "r227", "r228", "r229", "r230", "r231", "r232", "r233", "r234", "r235", "r236", "r237", "r238", "r239", "r240", "r241", "r242", "r243", "r244", "r245", "r246", "r247", "r248", "r249", "r250", "r251", "r252", "r253", "r254", "r255", "r256", "r257", "r258", "r259", "r260", "r261", "r262", "r263", "r264", "r265", "r266", "r267", "r268", "r269", "r270", "r271", "r272", "r273", "r274", "r275", "r276", "r277", "r278", "r279", "r280", "r281", "r282", "r283", "r284", "r285", "r286", "r287", "r288", "r289", "r290", "r291", "r292", "r293", "r294", "r295", "r296", "r297", "r298", "r299", "r300", "r301", "r302", "r303", "r304", "r305", "r306", "r307", "r308", "r309", "r310", "r311", "r312", "r313", "r314", "r315", "r316", "r317", "r318", "r319", "r320", "r321", "r322", "r323", "r324", "r325", "r326", "r327", "r328", "r329", "r330", "r331", "r332", "r333", "r334", "r335", "r336", "r337", "r338", "r339", "r340", "r341", "r342", "r343", "r344", "r345", "r346", "r347", "r348", "r349", "r350", "r351", "r352", "r353", "r354", "r355", "r356", "r357", "r358", "r359", "r360", "r361", "r362", "r363", "r364", "r365", "r366", "r367", "r368", "r369", "r370", "r371", "r372", "r373", "r374", "r375", "r376", "r377", "r378", "r379", "r380", "r381", "r382", "r383", "r384", "r385", "r386", "r387", "r388", "r389", "r390", "r391", "r392", "r393", "r394", "r395", "r396", "r397", "r398", "r399", "r400", "r401", "r402", "r403", "r404", "r405", "r406", "r407", "r408", "r409", "r410", "r411", "r412", "r413", "r414", "r415", "r416", "r417", "r418", "r419", "r420", "r421", "r422", "r423", "r424", "r425", "r426", "r427", "r428", "r429", "r430", "r431", "r432", "r433", "r434", "r435", "r436", "r437", "r438", "r439", "r440", "r441", "r442", "r443", "r444", "r445", "r446", "r447", "r448", "r449", "r450", "r451", "r452", "r453", "r454", "r455", "r456", "r457", "r458", "r459", "r460", "r461", "r462", "r463", "r464", "r465", "r466", "r467", "r468", "r469", "r470", "r471", "r472", "r473", "r474", "r475", "r476", "r477", "r478", "r479", "r480", "r481", "r482", "r483", "r484", "r485", "r486", "r487", "r488", "r489", "r490", "r491", "r492", "r493", "r494", "r495", "r496", "r497", "r498", "r499", "r500", "r501", "r502", "r503", "r504", "r505", "r506", "r507", "r508", "r509", "r510", "r511", "r512", "r513", "r514", "r515", "r516", "r517", "r518", "r519", "r520", "r521", "r522", "r523", "r524", "r525", "r526", "r527", "r528", "r529", "r530", "r531", "r532", "r533", "r534", "r535", "r536", "r537", "r538", "r539", "r540", "r541", "r542", "r543", "r544", "r545", "r546", "r547", "r548", "r549", "r550", "r551", "r552", "r553", "r554", "r555", "r556", "r557", "r558", "r559", "r560", "r561", "r562", "r563", "r564", "r565", "r566", "r567", "r568", "r569", "r570", "r571", "r572", "r573", "r574", "r575", "r576", "r577", "r578", "r579", "r580", "r581", "r582", "r583", "r584", "r585", "r586", "r587", "r588", "r589", "r590", "r591", "r592", "r593", "r594", "r595", "r596", "r597", "r598", "r599", "r600", "r601", "r602", "r603", "r604", "r605", "r606", "r607", "r608", "r609", "r610", "r611", "r612", "r613", "r614", "r615", "r616", "r617", "r618", "r619", "r620", "r621", "r622", "r623", "r624", "r625", "r626", "r627", "r628", "r629", "r630", "r631", "r632", "r633", "r634", "r635", "r636", "r637", "r638", "r639", "r640", "r641", "r642", "r643", "r644", "r645", "r646", "r647", "r648", "r649", "r650", "r651", "r652", "r653", "r654", "r655", "r656", "r657", "r658", "r659", "r660", "r661", "r662", "r663", "r664", "r665", "r666", "r667", "r668", "r669", "r670", "r671", "r672", "r673", "r674", "r675", "r676", "r677", "r678", "r679", "r680", "r681", "r682", "r683", "r684", "r685", "r686", "r687", "r688", "r689", "r690", "r691", "r692", "r693", "r694", "r695", "r696", "r697", "r698", "r699", "r700", "r701", "r702", "r703", "r704", "r705", "r706", "r707", "r708", "r709", "r710", "r711", "r712", "r713", "r714", "r715", "r716", "r717", "r718", "r719", "r720", "r721", "r722", "r723", "r724", "r725", "r726", "r727", "r728", "r729", "r730", "r731", "r732", "r733", "r734", "r735", "r736", "r737", "r738", "r739", "r740", "r741", "r742", "r743", "r744", "r745", "r746", "r747", "r748", "r749", "r750", "r751", "r752", "r753", "r754", "r755", "r756", "r757", "r758", "r759", "r760", "r761", "r762", "r763", "r764", "r765", "r766", "r767", "r768", "r769", "r770", "r771", "r772", "r773", "r774", "r775", "r776", "r777", "r778", "r779", "r780", "r781", "r782", "r783", "r784", "r785", "r786", "r787", "r788", "r789", "r790", "r791", "r792", "r793", "r794", "r795", "r796", "r797", "r798", "r799", "r800", "r801", "r802", "r803", "r804", "r805", "r806", "r807", "r808", "r809", "r810", "r811", "r812", "r813", "r814", "r815", "r816", "r817", "r818", "r819", "r820", "r821", "r822", "r823", "r824", "r825", "r826", "r827", "r828", "r829", "r830", "r831", "r832", "r833", "r834", "r835", "r836", "r837", "r838", "r839", "r840", "r841", "r842", "r843", "r844", "r845", "r846", "r847", "r848", "r849", "r850", "r851", "r852", "r853", "r854", "r855", "r856", "r857", "r858", "r859", "r860", "r861", "r862", "r863", "r864", "r865", "r866", "r867", "r868", "r869", "r870", "r871", "r872", "r873", "r874", "r875", "r876", "r877", "r878", "r879", "r880", "r881", "r882", "r883", "r884", "r885", "r886", "r887", "r888", "r889", "r890", "r891", "r892", "r893", "r894", "r895", "r896", "r897", "r898", "r899", "r900", "r901", "r902", "r903", "r904", "r905", "r906", "r907", "r908", "r909", "r910", "r911", "r912", "r913", "r914", "r915", "r916", "r917", "r918", "r919", "r920", "r921", "r922", "r923", "r924", "r925", "r926", "r927", "r928", "r929", "r930", "r931", "r932", "r933", "r934", "r935", "r936", "r937", "r938", "r939", "r940", "r941", "r942", "r943", "r944", "r945", "r946", "r947", "r948", "r949", "r950", "r951", "r952", "r953", "r954", "r955", "r956", "r957", "r958", "r959", "r960", "r961", "r962", "r963", "r964", "r965", "r966", "r967", "r968", "r969", "r970", "r971", "r972", "r973", "r974", "r975", "r976", "r977", "r978", "r979", "r980", "r981", "r982", "r983", "r984", "r985", "r986", "r987", "r988", "r989", "r990", "r991", "r992", "r993", "r994", "r995", "r996", "r997", "r998", "r999", "r1000", "r1001", "r1002", "r1003", "r1004", "r1005", "r1006", "r1007", "r1008", "r1009", "r1010", "r1011", "r1012", "r1013", "r1014", "r1015", "r1016", "r1017", "r1018", "r1019", "r1020", "r1021", "r1022", "r1023", "r1024", "r1025", "r1026", "r1027", "r1028", "r1029", "r1030", "r1031", "r1032", "r1033", "r1034", "r1035", "r1036", "r1037", "r1038", "r1039", "r1040", "r1041", "r1042", "r1043", "r1044", "r1045", "r1046", "r1047", "r1048", "r1049", "r1050", "r1051", "r1052", "r1053", "r1054", "r1055", "r1056", "r1057", "r1058", "r1059", "r1060", "r1061", "r1062", "r1063", "r1064", "r1065", "r1066", "r1067", "r1068", "r1069", "r1070", "r1071", "r1072", "r1073", "r1074", "r1075", "r1076", "r1077", "r1078", "r1079", "r1080", "r1081", "r1082", "r1083", "r1084", "r1085", "r1086", "r1087", "r1088", "r1089", "r1090", "r1091", "r1092", "r1093", "r1094", "r1095", "r1096", "r1097", "r1098", "r1099", "r1100", "r1101", "r1102", "r1103", "r1104", "r1105", "r1106", "r1107", "r1108", "r1109", "r1110", "r1111", "r1112", "r1113", "r1114", "r1115", "r1116", "r1117", "r1118", "r1119", "r1120", "r1121", "r1122", "r1123", "r1124", "r1125", "r1126", "r1127", "r1128", "r1129", "r1130", "r1131", "r1132", "r1133", "r1134", "r1135", "r1136", "r1137", "r1138", "r1139", "r1140", "r1141", "r1142", "r1143", "r1144", "r1145", "r1146", "r1147", "r1148", "r1149", "r1150", "r1151", "r1152", "r1153", "r1154", "r1155", "r1156", "r1157", "r1158", "r1159", "r1160", "r1161", "r1162", "r1163", "r1164", "r1165", "r1166", "r1167", "r1168", "r1169", "r1170", "r1171", "r1172", "r1173", "r1174", "r1175", "r1176", "r1177", "r1178", "r1179", "r1180", "r1181", "r1182", "r1183", "r1184", "r1185", "r1186", "r1187", "r1188", "r1189", "r1190", "r1191", "r1192", "r1193", "r1194", "r1195", "r1196", "r1197", "r1198", "r1199", "r1200", "r1201", "r1202", "r1203", "r1204", "r1205", "r1206", "r1207", "r1208", "r1209", "r1210", "r1211", "r1212", "r1213", "r1214", "r1215", "r1216", "r1217", "r1218", "r1219", "r1220", "r1221", "r1222", "r1223", "r1224", "r1225", "r1226", "r1227", "r1228", "r1229", "r1230", "r1231", "r1232", "r1233", "r1234", "r1235", "r1236", "r1237", "r1238", "r1239", "r1240", "r1241", "r1242", "r1243", "r1244", "r1245", "r1246", "r1247", "r1248", "r1249", "r1250", "r1251", "r1252", "r1253", "r1254", "r1255", "r1256", "r1257", "r1258", "r1259", "r1260", "r1261", "r1262", "r1263", "r1264", "r1265", "r1266", "r1267", "r1268", "r1269", "r1270", "r1271", "r1272", "r1273", "r1274", "r1275", "r1276", "r1277", "r1278", "r1279", "r1280", "r1281", "r1282", "r1283", "r1284", "r1285", "r1286", "r1287", "r1288", "r1289", "r1290", "r1291", "r1292", "r1293", "r1294", "r1295", "r1296", "r1297", "r1298", "r1299", "r1300", "r1301", "r1302", "r1303", "r1304", "r1305", "r1306", "r1307", "r1308", "r1309", "r1310", "r1311", "r1312", "r1313", "r1314", "r1315", "r1316", "r1317", "r1318", "r1319", "r1320", "r1321", "r1322", "r1323", "r1324", "r1325", "r1326", "r1327", "r1328", "r1329", "r1330", "r1331", "r1332", "r1333", "r1334", "r1335", "r1336", "r1337", "r1338", "r1339", "r1340", "r1341", "r1342", "r1343", "r1344", "r1345", "r1346", "r1347", "r1348", "r1349", "r1350", "r1351", "r1352", "r1353", "r1354", "r1355", "r1356", "r1357", "r1358", "r1359", "r1360", "r1361", "r1362", "r1363", "r1364", "r1365", "r1366", "r1367", "r1368", "r1369", "r1370", "r1371", "r1372", "r1373", "r1374", "r1375", "r1376", "r1377", "r1378", "r1379", "r1380", "r1381", "r1382", "r1383", "r1384", "r1385", "r1386", "r1387", "r1388", "r1389", "r1390", "r1391", "r1392", "r1393", "r1394", "r1395", "r1396", "r1397", "r1398", "r1399", "r1400", "r1401", "r1402", "r1403", "r1404", "r1405", "r1406", "r1407", "r1408", "r1409", "r1410", "r1411", "r1412", "r1413", "r1414", "r1415", "r1416", "r1417", "r1418", "r1419", "r1420", "r1421", "r1422", "r1423", "r1424", "r1425", "r1426", "r1427", "r1428", "r1429", "r1430", "r1431", "r1432", "r1433", "r1434", "r1435", "r1436", "r1437", "r1438", "r1439", "

gaap/2024", "localname": "SignificantChangeInUnrecognizedTaxBenefitsIsReasonablyPossibleAmountOfUnrecordedBenefit", "crdr": "credit", "presentation": "http://www.hpe.com/role/TaxesonEarningsNarrativeDetails", "lang": "en-us", "role": "terseLabel", "Significant Change in Unrecognized Tax Benefits Is Reasonably Possible. Amount of Unrecorded Benefit", "label": "Significant Change in Unrecognized Tax Benefits Is Reasonably Possible. Amount of Unrecorded Benefit", "documentation": "The amount of the unrecognized tax benefit of a position taken for which it is reasonably possible that the total amount thereof will significantly increase or decrease within twelve months of the balance sheet date." } } }, "auth_ref": "r272", "hpe_SoftwareDevelopmentCostsInProcessNotCurrentlyAmortizable": { "xbrltype": "monetaryItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "SoftwareDevelopmentCostsInProcessNotCurrentlyAmortizable", "crdr": "debit", "presentation": "http://www.hpe.com/role/GoodwillandIntangibleAssetsNarrativeDetails", "lang": "en-us", "role": "terseLabel", "Software development costs in process, not currently amortizable", "label": "Software Development Costs In Process, Not Currently Amortizable", "documentation": "Software Development Costs In Process, Not Currently Amortizable" } } }, "auth_ref": "us-gaap_StandardProductWarrantyPolicy": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "StandardProductWarrantyPolicy", "presentation": "http://www.hpe.com/role/OverviewandSummaryofSignificantAccountingPoliciesPolicies", "lang": "en-us", "role": "terseLabel", "Warranties", "label": "Standard Product Warranty Policy [Policy Text Block]", "documentation": "Disclosure of accounting policy for standard warranties including the methodology for measuring the liability." } } }, "auth_ref": "r1736", "hpe_StandardWarrantyTerm": { "xbrltype": "durationItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "StandardWarrantyTerm", "presentation": "http://www.hpe.com/role/OverviewandSummaryofSignificantAccountingPoliciesNarrativeDetails", "lang": "en-us", "role": "terseLabel", "Standard warranty term", "label": "Standard Warranty Term", "documentation": "Standard Warranty Term" } } }, "auth_ref": "us-gaap_StateAndLocalIncomeTaxExpenseBenefitContinuingOperationsAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "StateAndLocalIncomeTaxExpenseBenefitContinuingOperationsAbstract", "presentation": "http://www.hpe.com/role/TaxesonEarningsProvisionBenefitforTaxesDetails", "lang": "en-us", "role": "terseLabel", "State taxes", "label": "State and Local Income Tax Expense (Benefit). Continuing Operations [Abstract]", "auth_ref": "us-gaap_StateAndLocalJurisdictionMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "StateAndLocalJurisdictionMember", "presentation": "http://www.hpe.com/role/TaxesonEarningsDeferredTaxAssetsandLiabilitiesincludedinCondensedConsolidatedBalanceSheetsDetails", "http://www.hpe.com/role/TaxesonEarningsNarrativeDetails", "http://www.hpe.com/role/TaxesonEarningsUncertainTaxPositionsDetails", "lang": "en-us", "role": "terseLabel", "State", "label": "State and Local Jurisdiction [Member]", "documentation": "Designated state or local jurisdiction entitled to levy and collect income tax." } } }, "auth_ref": "r888", "us-gaap_StatementBusinessSegmentsAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "StatementBusinessSegmentsAxis", "presentation": "http://www.hpe.com/role/BorrowingsLongTermDebtDetails", "http://www.hpe.com/role/FairValueNarrativeDetails", "http://www.hpe.com/role/GoodwillandIntangibleAssetsCarryingValueofGoodwillbyReportableSegmentDetails", "http://www.hpe.com/role/GoodwillandIntangibleAssetsNarrativeDetails", "http://www.hpe.com/role/SegmentInformationSegmentOperatingResultsfromContinuingOperationsDetails", "lang": "en-us", "role": "terseLabel", "Segments [Axis]", "label": "Segments [Axis]", "documentation": "Information by business segments." } } }, "auth_ref": "r252", "r253", "r254", "r255", "r344", "r456", "r462", "r465", "r466", "r467", "r468", "r469", "r470", "r471", "r472", "r473", "r474", "r476", "r477", "r479", "r480", "r481", "r489", "r490", "r491", "r492", "r493", "r495", "r496", "r497", "r503", "r597", "r598", "r599", "r600", "r601", "r602", "r603", "r604", "r605", "r620", "r626", "r643", "r648", "r1153", "r1154", "r1155", "r1156", "r1157", "r1158", "r1159", "r1160", "r1161", "r1162", "r1163", "r1403", "r1406", "r1407", "r1417", "r1477", "r1915", "r1919", "r1920", "r1921", "r1922", "r1923", "r1924", "r1925", "r1926", "r1927", "r1928", "r1929", "r1930", "r1931", "r1932", "r1933", "r1934", "r1935", "r1936", "r1937", "r1938", "r1939", "r1940", "r1941", "r1942", "r1943", "r1944", "r1946", "r1947", "r1948", "us-gaap_StatementClassOfStockAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "StatementClassOfStockAxis", "presentation": "http://www.hpe.com/role/AcquisitionsandDispositionsNarrativeDetails", "http://www.hpe.com/role/ConsolidatedBalanceSheetsParentetical", "http://www.hpe.com/role/ConsolidatedStatementsofCashFlowsParentetical", "http://www.hpe.com/role/ConsolidatedStatementsofStockholdersEquityParentetical", "http://www.hpe.com/role/CoverPage", "http://www.hpe.com/role/NetEarningsPerShareDetails", "http://www.hpe.com/role/StockholdersEquityNarrativeDetails", "lang": "en-us", "role": "terseLabel", "Class of Stock [Axis]", "label": "Class of Stock [Axis]", "documentation": "Information by the different classes of stock of the entity." } } }, "auth_ref": "r296", "r359", "r360", "r361", "r410", "r435", "r439", "r448", "r450", "r459", "r460", "r548", "r675", "r678", "r679", "r680", "r684", "r685", "r717", "r718", "r722", "r725", "r733", "r992", "r1188", "r1189", "r1190", "r1191", "r1197", "r1198", "r1199", "r1200", "r1201", "r1202", "r1203", "r1204", "r1205", "r1206", "r1207", "r1208", "r1232", "r1255", "r1274", "r1360", "r1361", "r1362", "r1363", "r1364", "r1588", "r1640", "r1655", "us-gaap_StatementEquityComponentsAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "StatementEquityComponentsAxis", "presentation": "http://www.hpe.com/role/ConsolidatedStatementsofStockholdersEquity", "http://www.hpe.com/role/StockholdersEquityComponentsofAOCIDetails", "lang": "en-us", "role": "terseLabel", "Equity Components [Axis]", "label": "Equity Components [Axis]", "documentation": "Information by component of equity." } } }, "auth_ref": "r159", "r163", "r164", "r342", "r389", "r390", "r391", "r417", "r418", "r419", "r421", "r426", "r428", "r430", "r458", "r550", "r551", "r621", "r734", "r921", "r922", "r930", "r933", "r934", "r936", "r939", "r940", "r959", "r960", "r961", "r962", "r963", "r964", "r967", "r999", "r1001", "r1002", "r1003", "r1004", "r1005", "r1010", "r1013", "r1039", "r1145", "r1175", "r1176", "r1177", "r1197", "r1274", "srt_StatementGeographicalAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/srt/2024", "localname": "StatementGeographicalAxis", "presentation": "http://www.hpe.com/role/AccountingforLeasesasLessorAllowanceforDoubtfulAccountsforFinancingReceivablesDetails", "http://www.hpe.com/role/OverviewandSummaryofSignificantAccountingPoliciesNarrativeDetails", "http://www.hpe.com/role/SegmentInformationRevenuebyGeographicRegionDetails", "lang": "en-us", "role": "terseLabel", "Geographical [Axis]", "label": "Geographical [Axis]", "documentation": "Information by geographical components." } } }, "auth_ref": "r303", "r305", "r308", "r310", "r317", "r318", "r319", "r320", "r322", "r323", "r324", "r325", "r326", "r327", "r501", "r502", "r1086", "r1087", "r1088", "r1089", "r1090", "r1091", "r1092", "r1093", "r1094", "r1095", "r1096", "r1097", "r1098", "r1099", "r1100", "r1101", "r1102", "r1103", "r1104", "r1105", "r1106", "r1107", "r1108", "r1109", "r1110", "r1111", "r1112", "r1113", "r1114", "r1115", "r1116", "r1117", "r1118", "r1119", "r1120", "r1121", "r1125", "r1127", "r1128", "r1129", "r1130", "r1131", "r1132", "r1133", "r1134", "r1135", "r1136", "r1137", "r1138", "r1139", "r1140", "r1141", "r1142", "r1143", "r1144", "r1145", "r1146", "r1147", "r1148", "r1149", "r1150", "r1151", "r1152", "r1153", "r1154", "r1155", "r1156", "r1157", "r1158", "r1159", "r1160", "r1161", "r1162", "r1163", "r1164", "r1165", "r1166", "r1167", "r1168", "r1169", "r1170", "r1171", "r1172", "r1173", "r1174", "r1175", "r1176", "r1177", "r1178", "r1179", "r1180", "r1181", "r1182", "r1183", "r1184", "r1185", "r1186", "r1187", "r1188", "r1189", "r1190", "r1191", "r1192", "r1193", "r1194", "r1195", "r1196", "r1197", "r1198", "r1199", "r1200", "r1201", "r1202", "r1203", "r1204", "r1205", "r1206", "r1207", "r1208", "r1209", "r1210", "r1211", "r1212", "r1213", "r1214", "r1215", "r1216", "r1217", "r1218", "r1219", "r1220", "r1221", "r1222", "r1223", "r1224", "r1225", "r1226", "r1227", "r1228", "r1229", "r1230", "r1231", "r1232", "r1233", "r1234", "r1235", "r1236", "r1237", "r1238", "r1239", "r1240", "r1241", "r1242", "r1243", "r1244", "r1245", "r1246", "r1247", "r1248", "r1249", "r1250", "r1251", "r1252", "r1253", "r1254", "r1255", "r1256", "r1257", "r1258", "r1259", "r1260", "r1261", "r1262", "r1263", "r1264", "r1265", "r1266", "r1267", "r1268", "r1269", "r1270", "r1271", "r1272", "r1273", "r1274", "r1275", "r1276", "r1277", "r1278", "r1279", "r1280", "r1281", "r1282", "r1283", "r1284", "r1285", "r1286", "r1287", "r1288", "r1289", "r1290", "r1291", "r1292", "r1293", "r1294", "r1295", "r1296", "r1297", "r1298", "r1299", "r1300", "r1301", "r1302", "r1303", "r1304", "r1305", "r1306", "r1307", "r1308", "r1309", "r1310", "r1311", "r1312", "r1313", "r1314", "r1315", "r1316", "r1317", "r1318", "r1319", "r1320", "r1321", "r1322", "r1323", "r1324", "r1325", "r1326", "r1327", "r1328", "r1329", "r1330", "r1331", "r1332", "r1333", "r1334", "r1335", "r1336", "r1337", "r1338", "r1339", "r1340", "r1341", "r1342", "r1343", "r1344", "r1345", "r1346", "r1347", "r1348", "r1349", "r1350", "r1351", "r1352", "r1353", "r1354", "r1355", "r1356", "r1357", "r1358", "r1359", "r1360", "r1361", "r1362", "r1363", "r1364", "r1365", "r1366", "r1367", "r1368", "r1369", "r1370", "r1371", "r1372", "r1373", "r1374", "r1375", "r1376", "r1377", "r1378", "r1379", "r1380", "r1381", "r1382", "r1383", "r1384", "r1385", "r1386", "r1387", "r1388", "r1389", "r1390", "r1391", "r1392", "r1393", "r1394", "r1395", "r1396", "r1397", "r1398", "r1399", "r1400", "r1401", "r1402", "r1403", "r1404", "r1405", "r1406", "r1407", "r1408", "r1409", "r1410", "r1411", "r1412", "r1413", "r1414", "r1415", "r1416", "r1417", "r1418", "r1419", "r1420", "r1421", "r1422", "r1423", "r1424", "r1425", "r1426", "r1427", "r1428", "r1429", "r1430", "r1431", "r1432", "r1433", "r1434", "r1435", "r1436", "r1437", "r1438", "r1439", "r1440", "r1441", "r1442", "r1443", "r1444", "r1445", "r1446", "r1447", "r1448", "r1449", "r1450", "r1451", "r1452", "r1453", "r1454", "r1455", "r1456", "r1457", "r1458", "r1459", "r1460", "r1461", "r1462", "r1463", "r1464", "r1465", "r1466", "r1467", "r1468", "r1469", "r1470", "r1471", "r1472", "r1473", "r1474", "r1475", "r1476", "r1477", "r1478", "r1479", "r1480", "r1481", "r1482", "r1483", "r1484", "r1485", "r1486", "r1487", "r1488", "r1489", "r1490", "r1491", "r1492", "r1493", "r1494", "r1495", "r1496", "r1497", "r1498", "r1499", "r1500", "r1501", "r1502", "r1503", "r1504", "r1505", "r1506", "r1507", "r1508", "r1509", "r1510", "r1511", "r1512", "r1513", "r1514", "r1515", "r1516", "r1517", "r1518", "r1519", "r1520", "r1521", "r1522", "r1523", "r1524", "r1525", "r1526", "r1527", "r1528", "r1529", "r1530", "r1531", "r1532", "r1533", "r1534", "r1535", "r1536", "r1537", "r1538", "r1539", "r1540", "r1541", "r1542", "r1543", "r1544", "r1545", "r1546", "r1547", "r1548", "r1549", "r1550", "r1551", "r1552", "r1553", "r1554", "r1555", "r1556", "r1557", "r1558", "r1559", "r1560", "r1561", "r1562", "r1563", "r1564", "r1565", "r1566", "r1567", "r1568", "r1569", "r1570", "r1571", "r1572", "r1573", "r1574", "r1575", "r1576", "r1577", "r1578", "r1579", "r1580", "r1581", "r1582", "r1583", "r1584", "r1585", "r1586", "r1587", "r1588", "r1589", "r1590", "r1591", "r1592", "r1593", "r1594", "r1595", "r1596", "r1597", "r1598", "r1599", "r1600", "r1601", "r1602", "r1603", "r1604", "r1605", "r1606", "r1607", "r1608", "r1609", "r1610", "r1611", "r1612", "r1613", "r1614", "r1615", "r1616", "r1617", "r1618", "r1619", "r1620", "r1621", "r1622", "r1623", "r1624", "r1625", "r1626", "r1627", "r1628", "r1629", "r1630", "r1631", "r1632", "r1633", "r1634", "r1635", "r1636", "r1637", "r1638", "r1639", "r1640", "r1641", "r1642", "r1643", "r1644", "r1645", "r1646", "r1647", "r1648", "r1649", "r1650", "r1651", "r1652", "r1653", "r1654", "r1655", "r1656", "r1657", "r1658", "r1659", "r1660", "r1661", "r1662", "r1663", "r1664", "r1665", "r1666", "r1667", "r1668", "r1669", "r1670", "r1671", "r1672", "r1673", "r1674", "r1675", "r1676", "r1677", "r1678", "r1679", "r1680", "r1681", "r1682", "r1683", "r1684", "r1685", "r1686", "r1687", "r1688", "r1689", "r1690", "r1691", "r1692", "r1693", "r1694", "r1695", "r1696", "r1697", "r1698", "r1699", "r1700", "r1701", "r1702", "r1703", "r1704", "r1705", "r1706", "r1707", "r1708", "r1709", "r1710", "r1711", "r1712", "r1713", "r1714", "r1715", "r1716", "r1717", "r1718", "r1719", "r1720", "r1721", "r1722", "r1723", "r1724", "r1725", "r1726", "r1727", "r1728", "r1729", "r1730", "r1731", "r1732", "r1733", "r1734", "r1735", "r1736", "r1737", "r1738", "r1739", "r1740", "r1741", "r1742", "r1743", "r1744", "r1745", "r1746", "r1747", "r1748", "r1749", "r1750", "r1751", "r1752", "r1753", "r1754", "r1755", "r1756", "r1757", "r1758", "r1759", "r1760", "r1761", "r1762", "r1763", "r1764", "r1765", "r1766", "r1767", "r1768", "r1769", "r1770", "r1771", "r1772", "r1773", "r1774", "r1775", "r1776", "r1777", "r1778", "r1779", "r1780", "r1781", "r1782", "r1783", "r1784", "r1785", "r1786", "r1787", "r1788", "r1789", "r1790", "r1791", "r1792", "r1793", "r1794", "r1795", "r1796", "r1797", "r1798", "r1799", "r1800", "r1801", "r1802", "r1803", "r1804", "r1805", "r1806", "r1807", "r1808", "r1809", "r1810", "r1811", "r1812", "r1813", "r1814", "r1815", "r1816", "r1817", "r1818", "r1819", "r1820", "r1821", "r1822", "r1823", "r1824", "r1825", "r1826", "r1827", "r1828", "r1829", "r1830", "r1831", "r1832", "r1833", "r1834", "r1835", "r1836", "r1837", "r1838", "r1839", "r1840", "r1841", "r1842", "r1843", "r1844", "r1845", "r1846", "r1847", "r1848", "r1849", "r1850", "r1851", "r1852", "r1853", "r1854", "r1855", "r1856", "r1857", "r1858", "r1859", "r1860", "r1861", "r1862", "r1863", "r1864", "r1865", "r1866", "r1867", "r1868", "r1869", "r1870", "r1871", "r1872", "r1873", "r1874", "r1875", "r1876", "r1877", "r1878", "r1879", "r1880", "r1881", "r1882", "r1883", "r1884", "r1885", "r1886", "r1887", "r1888", "r1889", "r1890", "r1891", "r1892", "r1893", "r1894", "r1895", "r1896", "r1897", "r1898", "r1899", "r1900", "r1901", "r1902", "r1903", "r1904", "r1905", "r1906", "r1907", "r1908", "r1909", "r1910", "r1911", "r1912", "r1913", "r1914", "r1915", "r1916", "r1917", "r1918", "r1919", "r1920", "r1921", "r1922", "r1923", "r1924", "r1925", "r1926", "r1927", "r1928", "r1929", "r1930", "r1931", "r1932", "r1933", "r1934", "r1935", "r1936", "r1937", "r1938", "r1939", "r1940", "r1941", "r1942", "r1943", "r1944", "r1945", "r1946", "r1947", "r1948", "r1949", "r1950", "r1951", "r1952", "r1953", "r1954", "r1955", "r1956", "r1957", "r1958", "r1959", "r1960", "r1961", "r1962", "r1963", "r1964", "r1965", "r1966", "r1967", "r1968", "r1969", "r1970", "r1971", "r1972", "r1973", "r1974", "r1975", "r1976", "r1977", "r1978", "r1979", "r1980", "r1981", "r1982", "r1983", "r1984", "r1985", "r1986", "r1987", "r1988", "r1989", "r1990", "r1991", "r1992", "r1993", "r1994", "r1995", "r1996", "r1997", "r1998", "r1999", "r2000", "r2001", "r2002", "r2003", "r2004", "r2005", "r2006", "r2007", "r2008", "r2009", "r2010", "r2011", "r2012", "r2013", "r2014", "r2015", "r2016", "r2017", "r2018", "r2019", "r2020", "r2021", "r2022", "r2023", "r2024", "r2025", "r2026", "r2027", "r2028", "r2029", "r2030", "r2031", "r2032", "r2033", "r2034", "r2035", "r2036", "r2037", "r2038", "r2039", "r2040", "r2041", "r2042", "r2043", "r2044", "r2045", "r2046", "r2047", "r2048", "r2049", "r2050", "r2051", "r2052", "r2053", "r2054", "r2055", "r2056", "r2057", "r2058", "r2059", "r2060", "r2061", "r2062", "r2063", "r2064", "r2065", "r2066", "r2067", "r2068", "r2069", "r2070", "r2071", "r2072", "r2073", "r2074", "r2075", "r2076", "r2077", "r2078", "r2079", "r2080", "r2081", "r2082", "r2083", "r2084", "r2085", "r2086", "r2087", "r2088", "r2089", "r2090", "r2091", "r2092", "r2093", "r2094", "r2095", "r2096", "r2097", "r2098", "r2099", "r2100", "r2101", "r2102", "r2103", "r2104", "r2105", "r2106", "r2107", "r2108", "r2109", "r2110", "r2111", "r2112", "r2113", "r2114", "r2115", "r2116", "r2117", "r2118", "r2119", "r2120", "r2121", "r2122", "r2123", "r2124", "r2125", "r2126", "r2127", "r2128", "r2129", "r2130", "r2131", "r2132", "r2133", "r2134", "r2135", "r2136", "r2137", "r2138", "r2139", "r2140", "r2141", "r2142", "r2143", "r2144", "r2145", "r2146", "r2147", "r2148", "r2149", "r2150", "r2151", "r2152", "r2153", "r2154", "r2155", "r2156", "r2157", "r2158", "r2159", "r2160", "r2161", "r2162", "r2163", "r2164", "r2165", "r2166", "r2167", "r2168", "r2169", "r2170", "r2171", "r2172", "r2173", "r2174", "r2175", "r2176", "r2177", "r2178", "r2179", "r2180", "r2181", "r2182", "r2183", "r2184", "r2185", "r2186", "r2187", "r2188", "r2189", "r2190", "r2191", "r2192", "r2193", "r2194", "r2195", "r2196", "r2197", "r2198", "r2199", "r2200", "r2201", "r2202", "r2203", "r2204", "r2205", "r2206", "r2207", "r2208", "r2209", "r2210", "r2211", "r2212", "r2213", "r2214", "r2215", "r2216", "r2217", "r2218", "r2219", "r2220", "r2221", "r2222", "r2223", "r2224", "r2225", "r2226", "r2227", "r2228", "r2229", "r2230", "r2231", "r2232", "r2233", "r2234", "r2235", "r2236", "r2237", "r2238", "r2239", "r2240", "r2241", "r2242", "r2243", "r2244", "r2245", "r2246", "r2247", "r2248", "r2249", "r2250", "r2251", "r2252", "r2253", "r2254", "r2255", "r2256", "r2257", "r2258", "r2259", "r2260", "r2261", "r2262", "r2263", "r2264", "r2265", "r2266", "r2267", "r2268", "r2269", "r2270", "r2271", "r2272", "r2273", "r2274", "r2275", "r2276", "r2277", "r2278", "r2279", "r2280", "r2281", "r2282", "r2283", "r2284", "r2285", "r2286", "r2287", "r2288", "r2289", "r2290", "r2291", "r2292", "r2293", "r2294", "r2295", "r2296", "r2297", "r2298", "r2299", "r2300", "r2301", "r2302", "r2303", "r2304", "r2305", "r2306", "r2307", "r2308", "r2309", "r2310", "r2311", "r2312", "r2313", "r2314", "r2315", "r2316", "r2317", "r2318", "r2319", "r2320", "r2321", "r2322", "r2323", "r2324", "r2325", "r2326", "r2327", "r2328", "r2329", "r2330", "r2331", "r2332", "r2333", "r2334", "r2335", "r2336", "r2337", "r2338", "r2339", "r2340", "r2341", "r2342", "r2343", "r2344", "r2345", "r2346", "r2347", "r2348", "r2349", "r2350", "r2351", "r2352", "r2353", "r2354", "r2355", "r2356", "r2357", "r2358", "r2359", "r2360", "r2361", "r2362", "r2363", "r2364", "r2365", "r2366", "r2367", "r2368", "r2369", "r2370", "r2371", "r2372", "r2373", "r2374", "r2375", "r2376", "r2377", "r2378", "r2379", "r2380", "r2381", "r2382", "r2383", "r2384", "r2385", "r2386", "r2387", "r2388", "r2389", "r2390", "r2391", "r2392", "r2393", "r2394", "r2395", "r2396", "r2397", "r2398", "r2399", "r2400", "r2401", "r2402", "r2403", "r2404", "r2405", "r2406", "r2407", "r2408", "r2409", "r2410", "r2411", "r2412", "r2413", "r2414", "r2415", "r2416", "r2417", "r2418", "r2419", "r2420", "r2421", "r2422", "r2423", "r24


```

StockRepurchasedAndRetiredDuringPeriodShares": { "xbrlytype": "sharesItem", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "StockRepurchasedAndRetiredDuringPeriodShares", "presentation": { "http://www.hpe.com/role/StockholdersEquityNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Retired (shares)", "label": "Stock Repurchased and Retired During Period, Shares", "documentation": "Number of shares that have been repurchased and retired during the period." } } } } }, "auth_ref": { "r30", "r158", "r159", "r213" } }, "us-gaap StockRepurchasedAndRetiredDuringPeriodValue": { "xbrlytype": "monetaryItem", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "StockRepurchasedAndRetiredDuringPeriodValue", "crdr": "debit", "presentation": { "http://www.hpe.com/role/StockholdersEquityNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Repurchased", "label": "Stock Repurchased and Retired During Period, Value", "documentation": "Equity impact of the value of stock that has been repurchased and retired during the period. The excess of the purchase price over par value can be charged against retained earnings (once the excess is fully allocated to additional paid in capital)." } } } } }, "auth_ref": { "r30", "r158", "r159", "r213" } }, "us-gaap StockRepurchasedDuringPeriodShares": { "xbrlytype": "sharesItem", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "StockRepurchasedDuringPeriodShares", "presentation": { "http://www.hpe.com/role/ConsolidatedStatementsofStockholdersEquity": { "lang": { "en-us": { "role": { "negatedTerseLabel": "Repurchases of common stock (in shares)", "label": "Stock Repurchased During Period, Shares", "documentation": "Number of shares that have been repurchased during the period and have not been retired and are not held in treasury. Some state laws may govern the circumstances under which an entity may acquire its own stock and prescribe the accounting treatment therefore. This element is used when state law does not recognize treasury stock." } } } } }, "auth_ref": { "r30", "r158", "r159", "r213", "r1191", "r1274", "r1363" } }, "hpe StockRepurchasedDuringPeriodUnsettledShares": { "xbrlytype": "sharesItem", "nsuri": "http://www.hpe.com/20241031", "localname": "StockRepurchasedDuringPeriodUnsettledShares", "presentation": { "http://www.hpe.com/role/StockholdersEquityNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Open market repurchases (shares)", "label": "Stock Repurchased During Period, Unsettled, Shares", "documentation": "Stock Repurchased During Period, Unsettled, Shares" } } } } }, "auth_ref": { "r30", "r158", "r159", "r213", "r1191", "r1274", "r1363", "r1495" } }, "us-gaap StockRepurchasedDuringPeriodValue": { "xbrlytype": "monetaryItem", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "StockRepurchasedDuringPeriodValue", "crdr": "debit", "presentation": { "http://www.hpe.com/role/ConsolidatedStatementsofStockholdersEquity": { "lang": { "en-us": { "role": { "negatedTerseLabel": "Repurchases of common stock", "label": "Stock Repurchased During Period, Value", "documentation": "Equity impact of the value of stock that has been repurchased during the period and has not been retired and is not held in treasury. Some state laws may mandate the circumstances under which an entity may acquire its own stock and prescribe the accounting treatment therefore. This element is used when state law does not recognize treasury stock." } } } } }, "auth_ref": { "r30", "r158", "r159", "r213", "r1191", "r1274", "r1363", "r1495" } }, "us-gaap StockholdersEquity": { "xbrlytype": "monetaryItem", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "StockholdersEquity", "crdr": "credit", "calculation": { "http://www.hpe.com/role/ConsolidatedBalanceSheets": { "parentTag": "us-gaap StockholdersEquityIncludingPortionAttributableToNoncontrollingInterest", "weight": 1.0, "order": 1.0 }, "presentation": { "http://www.hpe.com/role/ConsolidatedBalanceSheets": { "lang": { "en-us": { "role": { "totalLabel": "Total HPE stockholders' equity", "label": "Equity, Attributable to Parent", "documentation": "Amount of equity (deficit) attributable to parent. Excludes temporary equity and equity attributable to noncontrolling interest." } } } } }, "auth_ref": { "r159", "r163", "r164", "r199", "r1234", "r1252", "r1275", "r1276", "r1462", "r1496", "r1642", "r1688", "r1885", "r1952" } }, "us-gaap StockholdersEquityAbstract": { "xbrlytype": "stringItem", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "StockholdersEquityAbstract", "presentation": { "http://www.hpe.com/role/ConsolidatedBalanceSheets": { "lang": { "en-us": { "role": { "terseLabel": "HPE stockholders' Equity", "label": "Equity, Attributable to Parent [Abstract]", "documentation": "HPE stockholders' Equity Attributable to Noncontrolling Interest Continuing Operations" } } } } }, "auth_ref": { "r159", "r163", "r164", "r199", "r1234", "r1252", "r1275", "r1276", "r1462", "r1496", "r1642", "r1688", "r1885", "r1952" } }, "us-gaap StockholdersEquityAbstract": { "xbrlytype": "stringItem", "nsuri": "http://www.hpe.com/20241031", "localname": "StockholdersEquityAbstract", "presentation": { "http://www.hpe.com/role/ConsolidatedBalanceSheets": { "parentTag": "us-gaap StockholdersEquityIncludingPortionAttributableToNoncontrollingInterest", "weight": 1.0, "order": 2.0 }, "presentation": { "http://www.hpe.com/role/ConsolidatedBalanceSheets": { "lang": { "en-us": { "role": { "terseLabel": "Non-controlling interests", "label": "Stockholders' Equity Attributable to Noncontrolling Interest, Continuing Operations" } } } } }, "auth_ref": { "r159", "r163", "r164", "r199", "r1234", "r1252", "r1275", "r1276", "r1462", "r1496", "r1642", "r1688", "r1885", "r1952" } }, "us-gaap StockholdersEquityIncludingPortionAttributableToNoncontrollingInterest": { "xbrlytype": "monetaryItem", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "StockholdersEquityIncludingPortionAttributableToNoncontrollingInterest", "crdr": "credit", "calculation": { "http://www.hpe.com/role/ConsolidatedBalanceSheets": { "parentTag": "us-gaap LiabilitiesAndStockholdersEquity", "weight": 1.0, "order": 5.0 }, "presentation": { "http://www.hpe.com/role/ConsolidatedBalanceSheets": { "parentTag": "us-gaap StockholdersEquityIncludingPortionAttributableToNoncontrollingInterest", "weight": 1.0, "order": 2.0 }, "presentation": { "http://www.hpe.com/role/ConsolidatedBalanceSheets": { "lang": { "en-us": { "role": { "terseLabel": "Total stockholders' equity", "label": "Balance", "documentation": "Amount of equity (deficit) attributable to parent and noncontrolling interest. Excludes temporary equity." } } } } }, "auth_ref": { "r105", "r106", "r112", "r342", "r343", "r390", "r417", "r418", "r419", "r421", "r426", "r428", "r550", "r551", "r621", "r734", "r921", "r922", "r932", "r933", "r934", "r936", "r939", "r940", "r959", "r960", "r961", "r962", "r963", "r964", "r967", "r999", "r1001", "r1005", "r1011", "r1039", "r1176", "r1177", "r1195", "r1234", "r1252", "r1275", "r1276", "r1365", "r1495", "r1642", "r1688", "r1885", "r1952" } }, "us-gaap StockholdersEquityIncludingPortionAttributableToNoncontrollingInterestAbstract": { "xbrlytype": "stringItem", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "StockholdersEquityIncludingPortionAttributableToNoncontrollingInterestAbstract", "presentation": { "http://www.hpe.com/role/ConsolidatedBalanceSheets": { "lang": { "en-us": { "role": { "terseLabel": "Stockholders' Equity", "label": "Equity, Including Portion Attributable to Noncontrolling Interest [Abstract]", "documentation": "The entire disclosure for equity." } } } } }, "auth_ref": { "r210", "r409", "r716", "r718", "r721", "r722", "r723", "r724", "r725", "r726", "r728", "r729", "r730", "r732", "r734", "r966", "r1277", "r1278", "r1366" } }, "us-gaap SubleaseIncome": { "xbrlytype": "monetaryItem", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SubleaseIncome", "crdr": "credit", "calculation": { "http://www.hpe.com/role/AccountingforLeasesasLesseeOperatingLeaseCostDetails": { "parentTag": "us-gaap LeaseCost", "weight": 1.0, "order": 3.0 }, "presentation": { "http://www.hpe.com/role/AccountingforLeasesasLesseeOperatingLeaseCostDetails": { "lang": { "en-us": { "role": { "negatedTerseLabel": "Sublease rental income", "label": "Sublease Income", "documentation": "Amount of sublease income excluding finance and operating lease expense." } } } } }, "auth_ref": { "r1023", "r1461" } }, "us-gaap SubsequentEventMember": { "xbrlytype": "domainItem", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SubsequentEventMember", "presentation": { "http://www.hpe.com/role/AcquisitionsandDispositionsNarrativeDetails": { "parentTag": "us-gaap SubsequentEventMember", "weight": 1.0, "order": 1.0 }, "presentation": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansNarrativeDetails": { "parentTag": "us-gaap SubsequentEventMember", "weight": 1.0, "order": 1.0 }, "presentation": { "http://www.hpe.com/role/StockholdersEquityNarrativeDetails": { "parentTag": "us-gaap SubsequentEventMember", "weight": 1.0, "order": 1.0 }, "presentation": { "http://www.hpe.com/role/TaxesonEarningsUncertainTaxPositionsDetails": { "parentTag": "us-gaap SubsequentEventMember", "weight": 1.0, "order": 1.0 }, "presentation": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansNarrativeDetails": { "parentTag": "us-gaap SubsequentEventMember", "weight": 1.0, "order": 1.0 }, "presentation": { "http://www.hpe.com/role/StockholdersEquityNarrativeDetails": { "parentTag": "us-gaap SubsequentEventMember", "weight": 1.0, "order": 1.0 }, "presentation": { "http://www.hpe.com/role/TaxesonEarningsUncertainTaxPositionsDetails": { "parentTag": "us-gaap SubsequentEventMember", "weight": 1.0, "order": 1.0 }, "presentation": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansNarrativeDetails": { "parentTag": "us-gaap SubsequentEventMember", "weight": 1.0, "order": 1.0 }, "presentation": { "http://www.hpe.com/role/StockholdersEquityNarrativeDetails": { "parentTag": "us-gaap SubsequentEventMember", "weight": 1.0, "order": 1.0 }, "presentation": { "http://www.hpe.com/role/TaxesonEarningsUncertainTaxPositionsDetails": { "parentTag": "us-gaap SubsequentEventMember", "weight": 1.0, "order": 1.0 }, "presentation": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansNarrativeDetails": { "parentTag": "us-gaap SubsequentEventMember", "weight": 1.0, "order": 1.0 }, "presentation": { "http://www.hpe.com/role/StockholdersEquityNarrativeDetails": { "parentTag": "us-gaap SubsequentEventMember", "weight": 1.0, "order": 1.0 }, "presentation": { "http://www.hpe.com/role/TaxesonEarningsUncertainTaxPositionsDetails": { "parentTag": "us-gaap SubsequentEventMember", "weight": 1.0, "order": 1.0 }, "presentation": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansNarrativeDetails": { "parentTag": "us-gaap SubsequentEventMember", "weight": 1.0, "order": 1.0 }, "presentation": { "http://www.hpe.com/role/StockholdersEquityNarrativeDetails": { "parentTag": "us-gaap SubsequentEventMember", "weight": 1.0, "order": 1.0 }, "presentation": { "http://www.hpe.com/role/TaxesonEarningsUncertainTaxPositionsDetails": { "parentTag": "us-gaap SubsequentEventMember", "weight": 1.0, "order": 1.0 }, "presentation": { "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansNarrativeDetails": { "parentTag": "us-gaap SubsequentEventMember", "weight": 1.0, "order": 1.0 }, "presentation": { "http://www.hpe.com/role/StockholdersEquityNarrativeDetails": { "parentTag": "us-gaap SubsequentEventMember", "weight": 1.0, "order": 1.0 }, "presentation": { "http://www.hpe.com
```

"r1850" } },"hpe_TaxCreditCarryforwardValuationAllowanceForeign":{"xbrltype":"monetaryItemType","nsuri":"http://www.hpe.com/20241031","localname":"TaxCreditCarryforwardValuationAllowanceForeign","crdr":"credit","calculation":{"http://www.hpe.com/role/TaxesonEarningsScheduleofTaxCreditCarryforwardsandAllowancesDetails":{"parentTag":"us-gaap_TaxCreditCarryforwardValuationAllowance","weight":1.0,"order":1.0 } },"presentation":{"http://www.hpe.com/role/TaxesonEarningsScheduleofTaxCreditCarryforwardsandAllowancesDetails":{"lang":{"en-us":{"role":{"negatedTerseLabel":"U.S. foreign tax credits","label":"Tax Credit Carryforward, Valuation Allowance, Foreign","documentation":"Tax Credit Carryforward, Valuation Allowance, Foreign" } } },"auth_ref":{"hpe_TaxIndemnificationMember":{"xbrltype":"domainItemType","nsuri":"http://www.hpe.com/20241031","localname":"TaxIndemnificationMember","presentation":{"http://www.hpe.com/role/GuaranteesandIndemnificationsIndemnifiedLitigationmattersandOtherContingenciesDetails":{"lang":{"en-us":{"role":{"terseLabel":"Tax Indemnification","label":"Tax Indemnification [Member]" } } },"documentation":"Tax Indemnification [Member]" } } },"auth_ref":{"hpe_TaxesPayableOtherThanIncomeCurrent":{"xbrltype":"monetaryItemType","nsuri":"http://www.hpe.com/20241031","localname":"TaxesPayableOtherThanIncomeCurrent","crdr":"credit","calculation":{"http://www.hpe.com/role/BalanceSheetDetailsOtherAccruedLiabilitiesDetails":{"parentTag":"us-gaap_OtherLiabilitiesCurrent","weight":1.0,"order":4.0 } },"presentation":{"http://www.hpe.com/role/BalanceSheetDetailsOtherAccruedLiabilitiesDetails":{"lang":{"en-us":{"role":{"terseLabel":"Value-added and property taxes","label":"Taxes Payable Other than Income Current","documentation":"Carrying value as of the balance sheet date of obligations incurred and payable for taxes other than income tax. Used to reflect the current portion of the liabilities (due within one year or within the normal operating cycle if longer)." } } },"auth_ref":{"hpe_TaxesonEarnings":{"xbrltype":"monetaryItemType","nsuri":"http://www.hpe.com/20241031","localname":"TaxesonEarnings","crdr":"credit","calculation":{"http://www.hpe.com/role/ConsolidatedBalanceSheets":{"parentTag":"us-gaap_LiabilitiesCurrent","weight":1.0,"order":4.0 } },"presentation":{"http://www.hpe.com/role/ConsolidatedBalanceSheets":{"lang":{"en-us":{"role":{"terseLabel":"Taxes on earnings","label":"Taxes on Earnings","documentation":"Carrying amount as of the balance sheet date of the unpaid sum of the known and estimated amounts payable to satisfy all currently due domestic and foreign income tax obligations, plus accrued interest and penalties pertaining to amounts of tax uncertainties plus amount of deferred tax liability attributable to taxable temporary differences, net of deferred tax asset attributable to deductible temporary differences and carryforwards net of valuation allowances expected to be realized or consumed within one year or operating cycle, if longer." } } },"auth_ref":{"ecd_TotalShareholderRtnAmt":{"xbrltype":"monetaryItemType","nsuri":"http://xbrl.sec.gov/ecd/2024","localname":"TotalShareholderRtnAmt","presentation":{"http://xbrl.sec.gov/ecd/role/PvpDisclosure":{"lang":{"en-us":{"role":{"terseLabel":"Total Shareholder Return Amount","label":"Total Shareholder Return Amount" } } },"auth_ref":{"r1547" } } },"ecd_TotalShareholderRtnVsPeerGroupTextBlock":{"xbrltype":"TextBlockItemType","nsuri":"http://xbrl.sec.gov/ecd/2024","localname":"TotalShareholderRtnVsPeerGroupTextBlock","presentation":{"http://xbrl.sec.gov/ecd/role/PvpDisclosure":{"lang":{"en-us":{"role":{"terseLabel":"Total Shareholder Return Vs Peer Group","label":"Total Shareholder Return Vs Peer Group [Text Block]" } } },"auth_ref":{"r1554" } } },"hpe_TradeReceivablesSold":{"xbrltype":"monetaryItemType","nsuri":"http://www.hpe.com/20241031","localname":"TradeReceivablesSold","crdr":"credit","presentation":{"http://www.hpe.com/role/BalanceSheetDetailsRevolvingShortTermFinancingReceivableDetails":{"lang":{"en-us":{"role":{"terseLabel":"Trade receivables sold","label":"Trade Receivables Sold","documentation":"The aggregate face amount of accounts receivable that were sold to third party under revolving financing receivables arrangements during the reporting period." } } },"auth_ref":{"us-gaap_TradeMarksAndTradeNamesMember":{"xbrltype":"domainItemType","nsuri":"http://fasb.org/us-gaap/2024","localname":"TradeMarksAndTradeNamesMember","presentation":{"http://www.hpe.com/role/GoodwillandIntangibleAssetsIntangibleAssetsDetails":{"lang":{"en-us":{"role":{"terseLabel":"Trade name and trademarks","label":"TradeMarks and Trade Names [Member]" } } },"documentation":"Rights acquired through registration of a trademark to gain or protect exclusive use of a business name, symbol or other device or style, or rights either acquired through registration of a business name to gain or protect exclusive use thereof." } } },"auth_ref":{"r104","r1707","r1708","r1709","r1710","r1711","r1712","r1713","r1714","r1716","r1717","r1718" } },"ecd_TradingArrAxis":{"xbrltype":"stringItemType","nsuri":"http://xbrl.sec.gov/ecd/2024","localname":"TradingArrAxis","presentation":{"http://xbrl.sec.gov/ecd/role/InsiderTradingArrangements":{"lang":{"en-us":{"role":{"terseLabel":"Trading Arrangement","label":"Trading Arrangement [Axis]" } } },"auth_ref":{"r1575" } } },"ecd_TradingArrByIndTable":{"xbrltype":"stringItemType","nsuri":"http://xbrl.sec.gov/ecd/2024","localname":"TradingArrByIndTable","presentation":{"http://xbrl.sec.gov/ecd/role/InsiderTradingArrangements":{"lang":{"en-us":{"role":{"terseLabel":"Trading Arrangements, by Individual","label":"Trading Arrangements, by Individual [Table]" } } },"auth_ref":{"r1577" } } },"dei_TradingSymbol":{"xbrltype":"TradingSymbolItemType","nsuri":"http://xbrl.sec.gov/dei/2024","localname":"TradingSymbol","presentation":{"http://www.hpe.com/role/CoverPage":{"lang":{"en-us":{"role":{"terseLabel":"Trading Symbol","label":"Trading Symbol","documentation":"Trading symbol of an instrument as listed on an exchange." } } },"auth_ref":{"hpe_FrancheAxis":{"xbrltype":"stringItemType","nsuri":"http://www.hpe.com/20241031","localname":"TrancheAxis","presentation":{"http://www.hpe.com/role/BorrowingsNarrativeDetails":{"lang":{"en-us":{"role":{"terseLabel":"Tranche [Axis]","label":"Tranche [Axis]" } } },"documentation":"Tranche" } } },"auth_ref":{"hpe_FrancheDomain":{"xbrltype":"domainItemType","nsuri":"http://www.hpe.com/20241031","localname":"TrancheDomain","presentation":{"http://www.hpe.com/role/BorrowingsNarrativeDetails":{"lang":{"en-us":{"role":{"terseLabel":"Tranche [Domain]","label":"Tranche [Domain]" } } },"documentation":"Tranche [Domain]" } } },"auth_ref":{"us-gaap_TransactionDomain":{"xbrltype":"domainItemType","nsuri":"http://fasb.org/us-gaap/2024","localname":"TransactionDomain","presentation":{"http://www.hpe.com/role/AcquisitionsandDispositionsNarrativeDetails":{"http://www.hpe.com/role/EquityInterestsNarrativeDetails":{"lang":{"en-us":{"role":{"terseLabel":"Transaction [Domain]","label":"Transaction [Domain]" } } },"documentation":"Agreement between buyer and seller for the exchange of financial instruments." } } },"auth_ref":{"r1395" } } },"us-gaap_TransactionTypeAxis":{"xbrltype":"stringItemType","nsuri":"http://fasb.org/us-gaap/2024","localname":"TransactionTypeAxis","presentation":{"http://www.hpe.com/role/AcquisitionsandDispositionsNarrativeDetails":{"http://www.hpe.com/role/EquityInterestsNarrativeDetails":{"lang":{"en-us":{"role":{"terseLabel":"Transaction Type [Axis]","label":"Transaction Type [Axis]" } } },"documentation":"Information by type of agreement between buyer and seller for the exchange of financial instruments." } } },"auth_ref":{"r1395" } } },"us-gaap_TransfersAndServicingOffFinancialInstrumentsTypesOffFinancialInstrumentsDomain":{"xbrltype":"domainItemType","nsuri":"http://fasb.org/us-gaap/2024","localname":"TransfersAndServicingOffFinancialInstrumentsTypesOffFinancialInstrumentsDomain","presentation":{"http://www.hpe.com/role/BorrowingsLongTermDebtDetails":{"http://www.hpe.com/role/BorrowingsNotesPayableandShortTermBorrowingsDetails":{"http://www.hpe.com/role/FairValueScheduleofAssetsandLiabilitiesonaRecurringBasisDetails":{"http://www.hpe.com/role/FinancialInstrumentsCashEquivalentsandAvailableforSaleInvestmentsDetails":{"lang":{"en-us":{"role":{"terseLabel":"Financial Instruments [Domain]","label":"Financial Instruments [Domain]" } } },"documentation":"Instrument or contract that imposes a contractual obligation to deliver cash or another financial instrument or to exchange other financial instruments on potentially unfavorable terms and conveys a contractual right to receive cash or another financial instrument or to exchange other financial instruments on potentially favorable terms." } } },"auth_ref":{"r508","r509","r510","r511","r512","r513","r514","r515","r516","r517","r518","r519","r520","r521","r522","r523","r524","r525","r526","r527","r528","r529","r530","r531","r532","r533","r534","r535","r536","r537","r711","r731","r965","r989","r1045","r1046","r1047","r1048","r1049","r1050","r1051","r1052","r1053","r1054","r1055","r1056","r1057","r1058","r1062","r1065","r1066","r1067","r1068","r1069","r1070","r1071","r1072","r1073","r1074","r1075","r1076","r1077","r1078","r1079","r1146","r1449","r1451","r1453","r1454","r1455","r1456","r1457","r1458","r1459","r1463","r1603","r1604","r1605","r1606","r1607","r1608","r1609","r1681","r1682","r1683","r1684","r1869","r1872","r1873","r1874","r1881","r1884" } } },"hpe_TransformationCosts":{"xbrltype":"monetaryItemType","nsuri":"http://www.hpe.com/20241031","localname":"TransformationCosts","crdr":"debit","calculation":{"http://www.hpe.com/role/ConsolidatedStatementsofEarnings":{"parentTag":"us-gaap_CostsAndExpenses","weight":1.0,"order":5.0 } },"http://www.hpe.com/role/SegmentInformationReconciliationofSegmentOperatingResultsDetails":{"parentTag":"us-gaap_IncomeLossFromContinuingOperationsBeforeIncomeTaxesExtraordinaryItemsNoncontrollingInterest","weight":1.0,"order":7.0 } },"http://www.hpe.com/role/TransformationProgramsTransformationCostsDetails":{"parentTag":null,"weight":null,"order":null,"root":true } },"presentation":{"http://www.hpe.com/role/ConsolidatedStatementsofEarnings":{"http://www.hpe.com/role/SegmentInformationReconciliationofSegmentOperatingResultsDetails":{"http://www.hpe.com/role/TransformationProgramsTransformationCostsDetails":{"lang":{"en-us":{"role":{"verboseLabel":"Transformation costs","negatedTerseLabel":"Transformation costs","totalLabel":"Total","label":"Transformation Costs","documentation":"Transformation Costs" } } },"auth_ref":{"ecd_TrdArrAdoptionDate":{"xbrltype":"stringItemType","nsuri":"http://xbrl.sec.gov/ecd/2024","localname":"TrdArrAdoptionDate","presentation":{"http://xbrl.sec.gov/ecd/role/InsiderTradingArrangements":{"lang":{"en-us":{"role":{"terseLabel":"Adoption Date","label":"Trading Arrangement Adoption Date" } } },"auth_ref":{"r1578" } } },"ecd_TrdArrDuration":{"xbrltype":"durationItemType","nsuri":"http://xbrl.sec.gov/ecd/2024","localname":"TrdArrDuration","presentation":{"http://xbrl.sec.gov/ecd/role/InsiderTradingArrangements":{"lang":{"en-us":{"role":{"terseLabel":"Arrangement Duration","label":"Trading Arrangement Duration" } } },"auth_ref":{"r1579" } } },"ecd_TrdArrExpirationDate":{"xbrltype":"stringItemType","nsuri":"http://xbrl.sec.gov/ecd/2024","localname":"TrdArrExpirationDate","presentation":{"http://xbrl.sec.gov/ecd/role/InsiderTradingArrangements":{"lang":{"en-us":{"role":{"terseLabel":"Expiration Date","label":"Trading Arrangement Expiration Date" } } },"auth_ref":{"r1579" } } },"ecd_TrdArrIndName":{"xbrltype":"stringItemType","nsuri":"http://xbrl.sec.gov/ecd/2024","localname":"TrdArrIndName","presentation":{"http://xbrl.sec.gov/ecd/role/InsiderTradingArrangements":{"lang":{"en-us":{"role":{"terseLabel":"Name","label":"Trading Arrangement, Individual Name" } } },"auth_ref":{"r1577" } } },"ecd_TrdArrIndTitle":{"xbrltype":"stringItemType","nsuri":"http://xbrl.sec.gov/ecd/2024","localname":"TrdArrIndTitle","presentation":{"http://xbrl.sec.gov/ecd/role/InsiderTradingArrangements":{"lang":{"en-us":{"role":{"terseLabel":"Title","label":"Trading Arrangement, Individual Title" } } },"auth_ref":{"r1577" } } },"ecd_TrdArrSecuritiesAggAvailAmt":{"xbrltype":"sharesItemType","nsuri":"http://xbrl.sec.gov/ecd/2024","localname":"TrdArrSecuritiesAggAvailAmt","presentation":{"http://xbrl.sec.gov/ecd/role/InsiderTradingArrangements":{"lang":{"en-us":{"role":{"terseLabel":"Aggregate Available","label":"Trading Arrangement, Securities Aggregate Available Amount" } } },"auth_ref":{"r1580" } } },"ecd_TrdArrTerminationDate":{"xbrltype":"stringItemType","nsuri":"http://xbrl.sec.gov/ecd/2024","localname":"TrdArrTerminationDate","presentation":{"http://xbrl.sec.gov/ecd/role/InsiderTradingArrangements":{"lang":{"en-us":{"role":{"terseLabel":"Termination Date","label":"Trading Arrangement Termination Date" } } },"auth_ref":{"r1578" } } },"us-gaap_TypeOfRestructuringDomain":{"xbrltype":"domainItemType","nsuri":"http://fasb.org/us-gaap/2024","localname":"TypeOfRestructuringDomain","presentation":{"http://www.hpe.com/role/TransformationProgramsScheduleofRestructuringActivitiesDetails":{"lang":{"en-us":{"role":{"terseLabel":"Type of Restructuring [Domain]","label":"Type of Restructuring [Domain]" } } },"documentation":"Identification of the types of restructuring costs." } } },"auth_ref":{"r640","r641","r646","r647" } } },"country_US":{"xbrltype":"domainItemType","nsuri":"http://xbrl.sec.gov/country/2024","localname":"US","presentation":{"http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansNarrativeDetails":{"http://www.hpe.com/role/SegmentInformationRevenuebyGeographicRegionDetails":{"lang":{"en-us":{"role":{"terseLabel":"U.S.","label":"UNITED STATES" } } },"auth_ref":{"us-gaap_USStatesAndPoliticalSubdivisionsMember":{"xbrltype":"domainItemType","nsuri":"http://fasb.org/us-gaap/2024","localname":"USStatesAndPoliticalSubdivisionsMember","presentation":{"http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansFairValueofNonUSDefinedBenefitPlanAssetsbyAssetCategoryWithintheFairValueHierarchyDetails":{"lang":{"en-us":{"role":{"terseLabel":"Government debt securities","label":"US States and Political Subdivisions Debt Securities [Member]" } } },"documentation":"Bonds or similar securities issued by state, city, or local US governments or the agencies operated by state, city, or local governments. Debt securities issued by state governments may include bond issuances of US state authorities including, for example, but not limited to, housing authorities, dormitory authorities, and general obligations while debt securities issued by political subdivisions of US states would include, for example, debt issuances by county, borough, city, or municipal governments." } } },"auth_ref":{"r1430","r1463","r1480","r1945" } } },"us-gaap_UnamortizedDebtIssuanceExpense":{"xbrltype":"monetaryItemType","nsuri":"http://fasb.org/us-gaap/2024","localname":"UnamortizedDebtIssuanceExpense","crdr":"debit","calculation":{"http://www.hpe.com/role/BorrowingsLongTermDebtDetails":{"parentTag":"us-gaap_LongTermDebtAndCapitalLeaseObligations","weight":1.0,"order":1.0 } },"presentation":{"http://www.hpe.com/role/BorrowingsLongTermDebtDetails":{"lang":{"en-us":{"role":{"negatedTerseLabel":"Unamortized debt issuance costs","label":"Unamortized Debt Issuance Expense","documentation":"The remaining balance of debt issuance expenses that were capitalized and are being amortized against income over the lives of the respective bond issues. This does not include the amounts capitalized as part of the cost of the utility plant or asset." } } },"auth_ref":{"us-gaap_UnbilledContractsReceivable":{"xbrltype":"monetaryItemType","nsuri":"http://fasb.org/us-gaap/2024","localname":"UnbilledContractsReceivable","crdr":"debit","calculation":{"http://www.hpe.com/role/BalanceSheetDetailsAccountsReceivableNetDetails":{"parentTag":"us-gaap_AccountsReceivableNetCurrent","weight":1.0,"order":1.0 } },"presentation":{"http://www.hpe.com/role/BalanceSheetDetailsAccountsReceivableNetDetails":{"lang":{"en-us":{"role":{"terseLabel":"Unbilled receivable","label":"Unbilled Contracts Receivable","documentation":"Unbilled amounts due for services rendered or to be rendered, actions taken or to be taken, or a promise to refrain from taking certain actions in accordance with the terms of a legally binding agreement between the entity and, at a minimum, one other party. An example would be amounts associated with contracts or programs where the recognized revenue for performance thereunder exceeds the amounts billed under the terms thereof as of the date of the balance sheet." } } },"auth_ref":{"r1081" } } },"us-gaap_UnbilledRevenuesMember":{"xbrltype":"domainItemType","nsuri":"http://fasb.org/us-gaap/2024","localname":"UnbilledRevenuesMember","presentation":{"http://www.hpe.com/role/AccountingforLeasesasLessorSummaryofAgingandNonaccrualStatusofGrossFinancingReceivablesDetails":{"lang":{"en-us":{"role":{"terseLabel":"Unbilled Revenues","label":"Unbilled Revenues [Member]" } } },"documentation":"Unbilled amounts due for services rendered or products shipped. This element

is distinct from unbilled contracts receivables because this is based on noncontract transactions." } } } , "auth_ref": { } } , "hpe_UncommittedCreditFacilityMember": {
"xbrltype": "domainItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "UncommittedCreditFacilityMember", "presentation": {
"http://www.hpe.com/role/BorrowingsNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Uncommitted credit facility", "label": "Uncommitted Credit Facility
[Member]", "documentation": "Uncommitted Credit Facility" } } } , "us-gaap_UndistributedEarningsOffForeignSubsidiaries": { "xbrltype": "monetaryItemType",
"nsuri": "http://fasb.org/us-gaap/2024", "localname": "UndistributedEarningsOffForeignSubsidiaries", "crdr": "credit", "presentation": {
"http://www.hpe.com/role/TaxesonEarningsNarrativeDetails": "http://www.hpe.com/role/TaxesonEarningsUncertainTaxPositionsDetails": { "lang": { "en-us": { "role": {
"terseLabel": "Undistributed earnings from non-U.S. operations", "label": "Undistributed Earnings of Foreign Subsidiaries", "documentation": "Amount of undistributed
earnings of foreign subsidiaries intended to be permanently reinvested outside the country of domicile." } } } , "auth_ref": { "r26": "r27", "r274": "r79" } } } ,
"ecd_UndrlygSecurityMktPriceChngPct": { "xbrltype": "pureItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "UndrlygSecurityMktPriceChngPct",
"presentation": { "http://xbrl.sec.gov/ecd/role/AwardTimingDisclosure": { "lang": { "en-us": { "role": { "terseLabel": "Underlying Security Market Price Change", "label":
"Underlying Security Market Price Change, Percent" } } } , "auth_ref": { "r1574": { } } , "hpe_UnitedStatesCommercialPaperProgramMember": { "xbrltype": "domainItemType",
"nsuri": "http://www.hpe.com/20241031", "localname": "UnitedStatesCommercialPaperProgramMember", "presentation": {
"http://www.hpe.com/role/BorrowingsNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "U.S. program", "label": "United States Commercial Paper Program
[Member]", "documentation": "United States Commercial Paper Program [Member]" } } } , "auth_ref": { } } , "us-gaap_UnrecognizedTaxBenefits": { "xbrltype":
"monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "UnrecognizedTaxBenefits", "crdr": "credit", "presentation": {
"http://www.hpe.com/role/TaxesonEarningsUncertainTaxPositionsDetails": { "lang": { "en-us": { "role": { "periodStartLabel": "Unrecognized Tax Benefits, Beginning Balance",
"periodEndLabel": "Unrecognized Tax Benefits, Ending Balance", "label": "Unrecognized Tax Benefits", "documentation": "Amount of unrecognized tax benefits." } } } ,
"auth_ref": { "r880": "r903", "r1444": { } } , "hpe_UnrecognizedTaxBenefitsDecreaseResultingFromSettlementsRelatedtoPositionswithFormerParent": { "xbrltype":
"monetaryItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "UnrecognizedTaxBenefitsDecreaseResultingFromSettlementsRelatedtoPositionswithFormerParent",
"crdr": "debit", "presentation": {
"http://www.hpe.com/role/TaxesonEarningsUncertainTaxPositionsDetails": { "lang": { "en-us": { "role": { "negatedLabel": "Settlements related to joint and several positions
indemnified by HP Inc.", "label": "Unrecognized Tax Benefits, Decrease Resulting from Settlements Related to Positions with Former Parent", "documentation": "Unrecognized
Tax Benefits, Decrease Resulting from Settlements Related to Positions with Former Parent" } } } , "auth_ref": { } } , "us-
gaap_UnrecognizedTaxBenefitsDecreasesResultingFromPriorPeriodTaxPositions": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname":
"UnrecognizedTaxBenefitsDecreasesResultingFromPriorPeriodTaxPositions", "crdr": "debit", "presentation": {
"http://www.hpe.com/role/TaxesonEarningsUncertainTaxPositionsDetails": { "lang": { "en-us": { "role": { "negatedLabel": "For prior years' tax positions", "label":
"Unrecognized Tax Benefits, Decrease Resulting from Prior Period Tax Positions", "documentation": "Amount of decrease in unrecognized tax benefits resulting from tax
positions taken in prior period tax returns." } } } , "auth_ref": { "r904": "r1444": { } } , "us-
gaap_UnrecognizedTaxBenefitsDecreasesResultingFromSettlementsRelatedtoPositionswithFormerParent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024",
"localname": "UnrecognizedTaxBenefitsDecreasesResultingFromSettlementsRelatedtoPositionswithFormerParent", "crdr": "debit", "presentation": {
"http://www.hpe.com/role/TaxesonEarningsUncertainTaxPositionsDetails": { "lang": { "en-us": { "role": { "negatedLabel": "Settlements with taxing authorities", "label":
"Unrecognized Tax Benefits, Decrease Resulting from Settlements with Taxing Authorities", "documentation": "Amount of decrease in unrecognized tax benefits resulting
from settlements with taxing authorities." } } } , "auth_ref": { "r906": "r1444": { } } , "us-gaap_UnrecognizedTaxBenefitsIncomeTaxPenaltiesAndInterestExpense": { "xbrltype":
"monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "UnrecognizedTaxBenefitsIncomeTaxPenaltiesAndInterestExpense", "crdr": "debit", "presentation":
{ "http://www.hpe.com/role/TaxesonEarningsUncertainTaxPositionsDetails": { "lang": { "en-us": { "role": { "terseLabel": "Income tax expense (interest) and penalties from
uncertain tax positions", "label": "Unrecognized Tax Benefits, Income Tax Penalties and Interest Expense", "documentation": "Amount of expense for interest on an
underpayment of income taxes and penalties related to a tax position claimed or expected to be claimed in the tax return." } } } , "auth_ref": { "r901": "r1444": { } } , "us-
gaap_UnrecognizedTaxBenefitsIncreasesResultingFromCurrentPeriodTaxPositions": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname":
"UnrecognizedTaxBenefitsIncreasesResultingFromCurrentPeriodTaxPositions", "crdr": "credit", "presentation": {
"http://www.hpe.com/role/TaxesonEarningsUncertainTaxPositionsDetails": { "lang": { "en-us": { "role": { "terseLabel": "For current year's tax positions", "label": "Unrecognized
Tax Benefits, Increase Resulting from Current Period Tax Positions", "documentation": "Amount of increase in unrecognized tax benefits resulting from tax positions that have
been or will be taken in current period tax return." } } } , "auth_ref": { "r905": "r1444": { } } , "us-
gaap_UnrecognizedTaxBenefitsIncreasesResultingFromPriorPeriodTaxPositions": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname":
"UnrecognizedTaxBenefitsIncreasesResultingFromPriorPeriodTaxPositions", "crdr": "credit", "presentation": {
"http://www.hpe.com/role/TaxesonEarningsUncertainTaxPositionsDetails": { "lang": { "en-us": { "role": { "terseLabel": "For prior years' tax positions", "label": "Unrecognized
Tax Benefits, Increase Resulting from Prior Period Tax Positions", "documentation": "Amount of increase in unrecognized tax benefits resulting from tax positions taken in
prior period tax returns." } } } , "auth_ref": { "r904": "r1444": { } } , "hpe_UnrecognizedTaxBenefitsPeriodDecreaseAbstract": { "xbrltype": "stringItemType", "nsuri":
"http://www.hpe.com/20241031", "localname": "UnrecognizedTaxBenefitsPeriodDecreaseAbstract", "presentation": {
"http://www.hpe.com/role/TaxesonEarningsUncertainTaxPositionsDetails": { "lang": { "en-us": { "role": { "terseLabel": "Decreases:", "label": "Unrecognized Tax Benefits Period
Decrease [Abstract]" } } } , "auth_ref": { } } , "hpe_UnrecognizedTaxBenefitsPeriodIncreaseAbstract": { "xbrltype": "stringItemType", "nsuri": "http://www.hpe.com/20241031",
"localname": "UnrecognizedTaxBenefitsPeriodIncreaseAbstract", "presentation": { "http://www.hpe.com/role/TaxesonEarningsUncertainTaxPositionsDetails": { "lang": { "en-
us": { "role": { "terseLabel": "Increases:", "label": "Unrecognized Tax Benefits Period Increase [Abstract]" } } } , "auth_ref": { } } , "us-
gaap_UnrecognizedTaxBenefitsReductionsResultingFromLapseOfApplicableStatuteOfLimitations": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024",
"localname": "UnrecognizedTaxBenefitsReductionsResultingFromLapseOfApplicableStatuteOfLimitations", "crdr": "debit", "presentation": {
"http://www.hpe.com/role/TaxesonEarningsUncertainTaxPositionsDetails": { "lang": { "en-us": { "role": { "negatedLabel": "Statute of limitations expiration", "label":
"Unrecognized Tax Benefits, Reduction Resulting from Lapse of Applicable Statute of Limitations", "documentation": "Amount of decrease in unrecognized tax benefits
resulting from lapses of applicable statutes of limitations." } } } , "auth_ref": { "r907": { } } , "us-gaap_UnrecognizedTaxBenefitsThatWouldImpactEffectiveTaxRate": { "xbrltype":
"monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "UnrecognizedTaxBenefitsThatWouldImpactEffectiveTaxRate", "crdr": "credit", "presentation": {
"http://www.hpe.com/role/TaxesonEarningsUncertainTaxPositionsDetails": { "lang": { "en-us": { "role": { "terseLabel": "Unrecognized tax benefits that would affect effective
tax rate if realized", "label": "Unrecognized Tax Benefits that Would Impact Effective Tax Rate", "documentation": "The total amount of unrecognized tax benefits that, if
recognized, would affect the effective tax rate." } } } , "auth_ref": { "r908": "r1444": { } } , "hpe_UnsecuredRevolvingCreditFacilityMember": { "xbrltype": "domainItemType",
"nsuri": "http://www.hpe.com/20241031", "localname": "UnsecuredRevolvingCreditFacilityMember", "presentation": { "http://www.hpe.com/role/BorrowingsNarrativeDetails": {
"lang": { "en-us": { "role": { "terseLabel": "Unsecured revolving credit facility", "label": "Unsecured Revolving Credit Facility [Member]", "documentation": "Unsecured
revolving credit facility." } } } , "auth_ref": { } } , "us-gaap_UseOfEstimates": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname":
"UseOfEstimates", "presentation": { "http://www.hpe.com/role/OverviewandSummaryofSignificantAccountingPoliciesPolicies": { "lang": { "en-us": { "role": { "terseLabel": "Use
of Estimates", "label": "Use of Estimates, Policy [Policy Text Block]", "documentation": "Disclosure of accounting policy for the use of estimates in the preparation of financial
statements in conformity with generally accepted accounting principles." } } } , "auth_ref": { "r65": "r66", "r67": "r280", "r281": "r284", "r285": { } } , "us-
gaap_ValuationAllowanceAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ValuationAllowanceAbstract", "presentation": {
"http://www.hpe.com/role/TaxesonEarningsScheduleofTaxCreditCarryforwardsandAllowancesDetails": { "lang": { "en-us": { "role": { "terseLabel": "Valuation Allowance",
"label": "Valuation Allowance [Abstract]" } } } , "auth_ref": { } } , "us-gaap_ValuationAllowanceByDeferredTaxAssetAxis": { "xbrltype": "stringItemType", "nsuri":
"http://fasb.org/us-gaap/2024", "localname": "ValuationAllowanceByDeferredTaxAssetAxis", "presentation": {
"http://www.hpe.com/role/TaxesonEarningsDeferredTaxAssetsandLiabilitiesIncludedinCondensedConsolidatedBalanceSheetsDetails": { "lang": { "en-us": { "role": {
"terseLabel": "Valuation Allowance by Deferred Tax Asset [Axis]", "label": "Valuation Allowance by Deferred Tax Asset [Axis]", "documentation": "Information by type of
deferred tax consequences attributable to deductible temporary differences." } } } , "auth_ref": { "r1850": { } } , "us-gaap_ValuationAllowanceDeferredTaxAssetChangeInAmount":
{ "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ValuationAllowanceDeferredTaxAssetChangeInAmount", "crdr": "credit",
"presentation": { "http://www.hpe.com/role/TaxesonEarningsScheduleofTaxCreditCarryforwardsandAllowancesDetails": { "lang": { "en-us": { "role": { "negatedTerseLabel":
"Decrease in valuation allowances", "label": "Valuation Allowance, Deferred Tax Asset, Increase (Decrease), Amount", "documentation": "Amount of increase (decrease) in the
valuation allowance for a specified deferred tax asset." } } } , "auth_ref": { "r911": { } } , "us-gaap_ValuationAllowanceOperatingLossCarryforwardsMember": { "xbrltype":
"domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ValuationAllowanceOperatingLossCarryforwardsMember", "presentation": {
"http://www.hpe.com/role/TaxesonEarningsDeferredTaxAssetsandLiabilitiesIncludedinCondensedConsolidatedBalanceSheetsDetails": { "lang": { "en-us": { "role": {
"terseLabel": "Operating loss carryforwards", "label": "SEC Schedule, 12-09, Valuation Allowance, Operating Loss Carryforward [Member]", "documentation": "Valuation
allowance of deferred tax asset attributable to operating loss carryforward." } } } , "auth_ref": { "r1646": "r1647", "r1648": "r1649", "r1650": { } } ,
"hpe_ValuationApproachIncomeCapitalizationAndCostApproachMember": { "xbrltype": "domainItemType", "nsuri": "http://www.hpe.com/20241031", "localname":
"ValuationApproachIncomeCapitalizationAndCostApproachMember", "presentation": {
"http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansFairValueofNonUSDefinedBenefitPlanAssetsbyAssetCategoryWithintheFairValueHierarchyDetails": {
"lang": { "en-us": { "role": { "terseLabel": "Valuation Approach, Income Capitalization and Cost Approach", "label": "Valuation Approach, Income Capitalization and Cost
Approach [Member]", "documentation": "Valuation Approach, Income Capitalization and Cost Approach" } } } , "auth_ref": { } } , "us-gaap_ValuationTechniqueAxis": {
"xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ValuationTechniqueAxis", "presentation": {
"http://www.hpe.com/role/FairValueNarrativeDetails": "http://www.hpe.com/role/FinancialInstrumentsNarrativeDetails":
"http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansFairValueofNonUSDefinedBenefitPlanAssetsbyAssetCategoryWithintheFairValueHierarchyDetails": {
"lang": { "en-us": { "role": { "terseLabel": "Valuation Approach and Technique [Axis]", "label": "Valuation Approach and Technique [Axis]", "documentation": "Information by
valuation approach and technique." } } } , "auth_ref": { "r973": "r974", "r1453": "r1874": { } } , "us-gaap_ValuationTechniqueDiscountedCashFlowMember": { "xbrltype":
"domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ValuationTechniqueDiscountedCashFlowMember", "presentation": {
"http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansFairValueofNonUSDefinedBenefitPlanAssetsbyAssetCategoryWithintheFairValueHierarchyDetails": {
"lang": { "en-us": { "role": { "terseLabel": "Valuation Technique, Discounted Cash Flow", "label": "Valuation Technique, Discounted Cash Flow [Member]", "documentation":
"Valuation technique calculating present value of future cash flows." } } } , "auth_ref": { "r1453": "r1872", "r1873": "r1874": { } } , "us-gaap_ValuationTechniqueDomain": {
"xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ValuationTechniqueDomain", "presentation": {
"http://www.hpe.com/role/FairValueNarrativeDetails": "http://www.hpe.com/role/FinancialInstrumentsNarrativeDetails":
"http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansFairValueofNonUSDefinedBenefitPlanAssetsbyAssetCategoryWithintheFairValueHierarchyDetails": {
"lang": { "en-us": { "role": { "terseLabel": "Valuation Approach and Technique [Domain]", "label": "Valuation Approach and Technique [Domain]", "documentation": "Valuation
approach and technique." } } } , "auth_ref": { "r973": "r974", "r1453": "r1874": { } } , "hpe_VariableInterestEntityConsolidatedAssetsFinanceReceivablesCurrent": { "xbrltype":
"monetaryItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "VariableInterestEntityConsolidatedAssetsFinanceReceivablesCurrent", "crdr": "debit",
"presentation": { "http://www.hpe.com/role/AccountingforLeasesasaLessorAssetsandLiabilitiesofVIEDetails": { "lang": { "en-us": { "role": { "terseLabel": "Short-term", "label":
"Variable Interest Entity, Consolidated, Assets, Finance Receivables, Current", "documentation": "Variable Interest Entity, Consolidated, Assets, Finance Receivables, Current"
} } } , "auth_ref": { } } , "hpe_VariableInterestEntityConsolidatedAssetsFinanceReceivablesNoncurrent": { "xbrltype": "monetaryItemType", "nsuri":
"http://www.hpe.com/20241031", "localname": "VariableInterestEntityConsolidatedAssetsFinanceReceivablesNoncurrent", "crdr": "debit", "presentation": {
"http://www.hpe.com/role/AccountingforLeasesasaLessorAssetsandLiabilitiesofVIEDetails": { "lang": { "en-us": { "role": { "terseLabel": "Long-term", "label": "Variable Interest
Entity, Consolidated, Assets, Finance Receivables, Noncurrent", "documentation": "Variable Interest Entity, Consolidated, Assets, Finance Receivables, Noncurrent" } } } ,
"auth_ref": { } } , "hpe_VariableInterestEntityConsolidatedAssetsPropertyPlantandEquipment": { "xbrltype": "monetaryItemType", "nsuri": "http://www.hpe.com/20241031",
"localname": "VariableInterestEntityConsolidatedAssetsPropertyPlantandEquipment", "crdr": "debit", "presentation": {

"http://www.hpe.com/role/AccountingforLeasesasaLessorAssetsandLiabilitiesofVIEDetails", "lang": "en-us", "role": "terseLabel": "Property, plant and equipment, net", "label": "Variable Interest Entity, Consolidated, Assets, Property, Plant and Equipment", "documentation": "Variable Interest Entity, Consolidated, Assets, Property, Plant and Equipment", "auth_ref": "1", "hpe_VariableInterestEntityConsolidatedLiabilitiesLongtermDebtNet": "xbrltype": "monetaryItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "VariableInterestEntityConsolidatedLiabilitiesLongtermDebtNet", "crdr": "credit", "presentation": "http://www.hpe.com/role/AccountingforLeasesasaLessorAssetsandLiabilitiesofVIEDetails", "lang": "en-us", "role": "terseLabel": "Long-term debt, net of unamortized debt issuance costs", "label": "Variable Interest Entity, Consolidated, Liabilities, Long-term Debt, Net", "documentation": "Variable Interest Entity, Consolidated, Liabilities, Long-term Debt, Net", "auth_ref": "1", "hpe_VariableInterestEntityConsolidatedLiabilitiesNotesPayableandShorttermDebtNet": "xbrltype": "monetaryItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "VariableInterestEntityConsolidatedLiabilitiesNotesPayableandShorttermDebtNet", "crdr": "credit", "presentation": "http://www.hpe.com/role/AccountingforLeasesasaLessorAssetsandLiabilitiesofVIEDetails", "lang": "en-us", "role": "terseLabel": "Notes payable and short-term borrowings, net of unamortized debt issuance costs", "label": "Variable Interest Entity, Consolidated, Liabilities, Notes Payable and Short-term Debt, Net", "documentation": "Variable Interest Entity, Consolidated, Liabilities, Notes Payable and Short-term Debt, Net", "auth_ref": "1", "us-gaap_VariableInterestEntityPrimaryBeneficiaryMember": "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "VariableInterestEntityPrimaryBeneficiaryMember", "presentation": "http://www.hpe.com/role/AccountingforLeasesasaLessorAssetsandLiabilitiesofVIEDetails", "lang": "en-us", "role": "terseLabel": "Variable Interest Entity, Primary Beneficiary", "label": "Variable Interest Entity, Primary Beneficiary", "documentation": "Variable Interest Entities (VIE) in which the entity has a controlling financial interest (as defined) and of which it is therefore the primary beneficiary. A controlling financial interest is determined based on both: (a) the entity's power to direct activities of the VIE that most significantly impact the VIE's economic performance and (b) the entity's obligation to absorb losses of the VIE that could potentially be significant to the VIE or the right to receive benefits from the VIE that could potentially be significant to the VIE. VIEs of which the entity is the primary beneficiary are included in the consolidated financial statements of the entity.", "auth_ref": "107", "942", "943", "948", "949", "1", "ecd_VstngDftrValOfEqtyAwrdsGrntdAndVstInCvrdYrMember": "xbrltype": "domainItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "VstngDftrValOfEqtyAwrdsGrntdAndVstInCvrdYrMember", "presentation": "http://xbrl.sec.gov/ecd/role/PvpDisclosure", "lang": "en-us", "role": "terseLabel": "Vesting Date Fair Value of Equity Awards Granted and Vested in Covered Year", "label": "Vesting Date Fair Value of Equity Awards Granted and Vested in Covered Year", "auth_ref": "1543", "1", "hpe_WarrantyExpenseAverageOfAnnualRevenue": "xbrltype": "percentItemType", "nsuri": "http://www.hpe.com/20241031", "localname": "WarrantyExpenseAverageOfAnnualRevenue", "presentation": "http://www.hpe.com/role/OverviewandSummaryofSignificantAccountingPoliciesNarrativeDetails", "lang": "en-us", "role": "terseLabel": "Average warranty expense as a percent of annual product revenue", "label": "Warranty Expense, Average of Annual Revenue", "documentation": "Warranty Expense, Average of Annual Revenue", "auth_ref": "1", "srt_WeightedAverageMember": "xbrltype": "domainItemType", "nsuri": "http://fasb.org/srt/2024", "localname": "WeightedAverageMember", "presentation": "http://www.hpe.com/role/RetirementandPostRetirementBenefitPlansFairValueofNonUSDefinedBenefitPlanAssetsbyAssetCategoryWithintheFairValueHierarchyDetails", "lang": "en-us", "role": "terseLabel": "Weighted Average", "label": "Weighted Average", "documentation": "Average of a range of values, calculated with consideration of proportional relevance.", "auth_ref": "975", "1063", "1380", "1381", "1453", "1901", "1903", "1907", "1", us-gaap_WeightedAverageNumberOfDilutedSharesOutstanding": "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "WeightedAverageNumberOfDilutedSharesOutstanding", "calculation": "http://www.hpe.com/role/NetEarningsPerShareDetails", "parentTag": null, "weight": null, "order": null, "root": true, "presentation": "http://www.hpe.com/role/ConsolidatedStatementsofEarnings", "http://www.hpe.com/role/NetEarningsPerShareDetails", "lang": "en-us", "role": "terseLabel": "Diluted (in shares)", "totalLabel": "Weighted-average shares used to compute diluted net EPS (in shares)", "label": "Weighted Average Number of Shares Outstanding, Diluted", "documentation": "The average number of shares or units issued and outstanding that are used in calculating diluted EPS or earnings per unit (EPS), determined based on the timing of issuance of shares or units in the period.", "auth_ref": "434", "450", "1", us-gaap_WeightedAverageNumberofSharesOutstandingAbstract": "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "WeightedAverageNumberofSharesOutstandingAbstract", "presentation": "http://www.hpe.com/role/ConsolidatedStatementsofEarnings", "http://www.hpe.com/role/NetEarningsPerShareDetails", "lang": "en-us", "role": "terseLabel": "Weighted-average shares used to compute net earnings per share", "label": "Weighted Average Number of Shares Outstanding, Basic", "documentation": "Weighted-average shares used to compute basic net EPS (in shares)", "label": "Weighted Average Number of Shares Outstanding, Basic", "documentation": "Number of basic shares or units, after adjustment for contingently issuable shares or units and other shares or units not deemed outstanding, determined by relating the portion of time within a reporting period that common shares or units have been outstanding to the total time in that period.", "auth_ref": "432", "450", "1", "ecd_YrEndFrValOfEqtyAwrdsGrntdInCvrdYrOutsdngAndUnvstdMember": "xbrltype": "domainItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "YrEndFrValOfEqtyAwrdsGrntdInCvrdYrOutsdngAndUnvstdMember", "presentation": "http://xbrl.sec.gov/ecd/role/PvpDisclosure", "lang": "en-us", "role": "terseLabel": "Year-end Fair Value of Equity Awards Granted in Covered Year that are Outstanding and Unvested", "label": "Year-end Fair Value of Equity Awards Granted in Covered Year that are Outstanding and Unvested", "auth_ref": "1541", "1", "std_ref": "40", "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Section": "25", "Paragraph": "16", "SubTopic": "10", "Topic": "805", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479405/805-10-25-16", "r1": "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Section": "30", "Paragraph": "7", "SubTopic": "30", "Topic": "805", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479637/805-30-30-7", "r2": "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Section": "30", "Paragraph": "9", "SubTopic": "30", "Topic": "805", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479637/805-30-30-9", "r3": "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "1", "SubTopic": "230", "Topic": "830", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147477401/830-230-45-1", "r4": "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "10", "SubTopic": "20", "Topic": "205", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147483475/205-20-45-10", "r5": "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "10A", "SubTopic": "10", "Topic": "220", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482790/220-10-45-10A", "r6": "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "10A", "Subparagraph": "(k)", "SubTopic": "10", "Topic": "220", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482790/220-10-45-10A", "r9": "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "12", "SubTopic": "10", "Topic": "220", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482790/220-10-45-12", "r10": "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "14", "Subparagraph": "(a)", "SubTopic": "10", "Topic": "230", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482740/230-10-45-14", "r11": "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "15", "SubTopic": "10", "Topic": "220", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482790/220-10-45-15", "r12": "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "16", "SubTopic": "10", "Topic": "220", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482790/220-10-45-16", "r13": "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "2", "SubTopic": "405", "Topic": "942", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/214747787/942-405-45-2", "r14": "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "20", "SubTopic": "10", "Topic": "810", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481231/810-10-45-20", "r15": "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "21D", "SubTopic": "10", "Topic": "230", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482740/230-10-45-21D", "r16": "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "28", "Subparagraph": "(a)", "SubTopic": "10", "Topic": "230", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482740/230-10-45-28", "r17": "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "28", "Subparagraph": "(b)", "SubTopic": "10", "Topic": "230", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482740/230-10-45-28", "r18": "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "5", "SubTopic": "10", "Topic": "360", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/214748130/360-10-45-5", "r19": "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "5", "SubTopic": "10", "Topic": "815", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480463/815-10-45-5", "r20": "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "14", "SubTopic": "10", "Topic": "360", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481544/70-10-50-1", "r22": "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "14", "SubTopic": "20", "Topic": "715", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480506/715-20-50-1", "r23": "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "SubTopic": "30", "Topic": "715", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481097/715-30-50-1", "r24": "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "SubTopic": "60", "Topic": "715", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480266/715-60-50-1", "r25": "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "14", "Subparagraph": "(b)", "SubTopic": "30", "Topic": "805", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479581/805-30-50-1", "r26": "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Subparagraph": "(b)", "SubTopic": "740", "Topic": "942", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/214747761/942-740-50-1", "r27": "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "14", "Subparagraph": "(b)", "SubTopic": "740", "Topic": "944", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147478822/944-740-50-1", "r28": "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Subparagraph": "(d)", "SubTopic": "30", "Topic": "815", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480870/815-30-50-1", "r29": "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1A", "Subparagraph": "(c)(3)", "SubTopic": "10", "Topic": "810", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481203/810-10-50-1A", "r30": "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "SubTopic": "10", "Topic": "505", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481123/505-10-50-2", "r31": "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "SubTopic": "10", "Topic": "815", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480434/815-10-50-2", "r32": "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "SubTopic": "80", "Topic": "715", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480576/715-80-50-2", "r33": "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "3", "SubTopic": "10", "Topic": "360", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482099/360-10-50-3", "r34": "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "3", "Subparagraph": "(b)", "SubTopic": "20", "Topic": "210", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147483466/210-20-50-3", "r35": "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "4D", "Subparagraph": "(c)(2)", "SubTopic": "20", "Topic": "860", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481326/860-20-50-4D", "r36": "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Section": "50", "Subparagraph": "(a)(b)(c)", "Paragraph": "44", "SubTopic": "20", "Topic": "715", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480506/715-20-50-1", "r37": "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "(c)", "Paragraph": "2",

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

CGOWS-S8MXA-Z2+K5.9=GG&1-MYPMAM022&HCQFE3N)-:15-LPPX06197H17WV5MS/E12ZLV.OWGP>BU M>LFFESELOYLTPJ51770SKIRY#Q
P7K#<T5J4ZAGPC@<1?2?>M&N01#21ZNMKPS.#5)XQNNH1SFT(ZVZYKWT)+KNISX#H.#?+R*7140Z M-M.P.<+G+WDGJOXKNQ2.PD.NHHUW74W.O=<34+<CDMO+>
I2W1M.PMS>HRO?>T&O0S N-IG&NULI434M>XWG>834F.09>7V%<L0M-1JF7B#MGOOR#0?44-&S1Z7U77M03VYF1+Q-XOH(4UCHD)DN&N437151&Z-
M88.DRI1D-C2)ZLOEUF.5%>XKSP2XLV72<..QJ58<2P-4.WB.2K40F<M1-M0.QJXW0<#1HWE.=<~7LAI49#9#<1HBF4T2C14E+P+P+EZ.HDVE<61>
M39.20>S/N#1&1N701RIRC>F4TPIY8+BT&OIS.&EYLRCW9C<6VIMW M-U.2R.#DJCOS=<~Z0.AG/ZC575%=<~BV.G0=<R%>YKKS(IDW1)ND
M+1+UQO4LO=>=<GGU1+>IX>~1&QVRPQV31A0G.R#&+>NKB/B47M0<1>QRO1NH(QH&MCEB1(SF/TI?<7 M->CGK?BNF<C.MLZ<~31QJ&X14@Y30K9G.ZM=<4)0Y7\$H252-
(6Q&9XH>8C?M->~1X-JHQ-12-68\$MIOG<N-203%\$ZE6M5G8?E>X.W.GW3Y0-DB&MCE8IO31FW5K<6DZC8S3=154G<0D/T-2PCX17@>C91XTIH06=62YZIF7M-
6KAMJH(FIL-GFVLYV/PD/PAR.O4J3RG?#JW?>~44L>1%ELD9A00Q.L.M98AFT24#ZNO.NZ&S&RRTUFX#>1(FE?MS.?PD25<15ZIG<Q6V
M=<LHFT5NT0M(+LUDN4V2P7ES>PGS626/(35M7B-HY23U(H?<2W&G&NPCCO M?+<L@W9HJRP2PX9Z.0K#<4V0B4L A)<~<3Z82\$2+T#FZ6\$UL4+AI0HD M>~*TP~L%1%3L
+MDA25 M*BTBRS(KO<OWH>.(0/WWW.0CNS?T?>4XHO2U?<2.#100/R?C GXY&RG M7&SKG12Z=Z.RGOWM?UJ<~&BP0S.B7Q.CQ?E?<F&X&CJ1?>Y+YH
M.20)GRYB>9%<T1916L>YQ>TQ14H5Z51CRL-+<L(G&C-MJDDVGA(C&1.6UAS9&A.W.580&ASPSIQOJL>~<+>).QRZKQD-O?ZIBW&MJA>Z9MUK.#GP0BP-
HTF6W8DIB<TFI>=<5.CD1?<~9&G.M9I2P M&(H1M7OBL3CGBJH\$SVJ>@>S.R?3E>UCZL PDL T<~<C*9.Y->WP>1<+&br/>M.YHIMH?<P3<4FDH>..C<AR30W&OZ>#242.\$5TTEOIB>JR-7N<~4.MN45=>M>?JLK(Z:1)1#Z9TREQOYHTA?F.%GJVBA#F?F/P-F2ET D-M'GNWF338:7H(CI
(GZ?+5C&)&YB?1?<=<~%0.1%7276B6.<S.UFO74H&G(M1U1QMA1V1?<A?5-NC9R?>H<~+44Q2PDB PM61IEL1A1?TGV=<M+Y44 XZY2N1.UO1RLM
ESNL3C189947K1>WFE0Q>>381X?OR8 M1U-G8ZHBG1(01?KE%<0(C+CS/QO?CK&JBNS)>+YH=>M2Z2J1X?>YH?>H(CI)1205<.(71LK<1476>61PA78Y1VXA MN358-A9?G?>E+>3
<1XK CS+>R?>PGVY?F-WN/J8.3L/<..<0 N7+1 M1213HJZ.HR.#?<XN.3UHF00<~68Y78M35.SNNL63.HHLL9H5%<@<@.MLYTPV%*J><5R.J4?>=<~YH.(QO
PC.RM&Z2H2Q.PW1?<2-R6W19QMRN MOP.NGE012V-2BZXU<F+>5M6N+LRCSN+5QJ?R+V7.RXAG1Z-2WZE).
M&~<WG%>T6.TIS&C8AMF4X0>.>FTB7Y2RKZOL7XC&Q0SWS:X3KD?BD M70TKTE)74A1F1Z?CMRV8+K9V?K<8%TB5(0.5;TS)HLMR#<R1=R.O3+SV MJ3.#3(CZX)P-1
(QDSURKFKV52G?>H+R-(.3)P0GAI1730<1@<A-#B#Y->~X8H5FWTE#7417#V3>VJ2.P1J MWWT->0><K1-G1N=>F.G:WHEZ>(9Q.PT2CMGZLS4D)M?J2H.N<~<7L4I
M1Q5C&K7<41HVO1T3WARRL&G44?Y9.HF-QK5)<D=>PXPEI3HMMO-XWY1+M99<03-12289?EJ->CYWENH.L9F9QO&O?3NEA57H1&BAQ0?<\$Y
MD-Y&K&V1U->MUGDHLUK<W-R59.1?>2S4412LIFZANC6<S1+J4?>27F52S<9PTX9KXMOXD)6 MRR3.62K3(2CJ01<LHCB1N/ZJLMGZBAK-7?/81=AO=L6EXG&J?>J.LT
MEON2QJISJDX.IJH14JAF1+4M>450%8.9BWJ.NSTG?>7M3C2Y2H0?<#Y&K&TB5?1+13.HMKB-3C&E.551N:XL=<BLZV+QHDH3G3ES
M=>V.1CY&#W&NOH1\$9U72-KODED-LO<~56%<~\$S762<~\$MCP182?R?5&<~1MSHBC.IRZ%UIWTL5/<6&W%?<6-2HIWP:KQVHB*WXWA.MTB.T?E13TVUHH>@<@.XZ82%
JL93+101D1&QOU<~<S1F1RFX&K.DJ5)Q3F0.M2LY32G&9R.VW45(1Z.L1P0W5.E03NH.P3?OW508T<66-65RLFDP9QI
M57D&E.QF2R3?<1F5L1A)32?1J+J158.X1+9GEN?IPOR1YQEVHMHO?<2PR-MHM?73&1?>UE22-EBXP.%P.X?H6&1JAE26 M&RN>0B1=+
SUZ3+1LGI6B1+1+M1PEH14B.#RPN1<1?<TR#6+>D1?<7 M=<S.UNH6:0?<9G=1A31JHJ.B-24QGS9M1&UXU1X&E?J803.1?9D U.MV(BX5%<H>Y7Z%<92CWA#
(3R-0S3MZO.U2L1A1+T16N1&2B1=<~<X0.M?>9FD1-2552)(R4+1+304YH?#391+<A=LI>J27QO1M1?>2.OB1<=>#T0K=<RHJ3IBD?1+1<@<C&ME5M6?W5-5?D1?#<+>
M)3H1HIDP?>(D1G14K?>+>4>0B?G9D?00ZHR5V1-313.MS9+X.WW1WBN<~N3(B<~D5?+1?0+>+V+PMGU/TX%<~<X>N(F2IOH:1\$4)~%0K
MGC<~<WH8KOG?<HJ=>0FS.516I2\$<..01AYT1D1+D6W-NW4C3K2-U?0?<C7ZC MIBJ>+4J14 ZWD)NXXA:Q86AT&CA83.BE<~QO1D EQD0U(9R&48T7R->9I M-%0%<H-W<4)
I#<8)SOLIOU1A=>UXO25183B0&<~Z3F1QY4C<~<1PHH1+>T1ZMU1TOFS&S?57QCH1 M1+>3ZGLX?<F&H1+85%?<1<#B3.53KQF1JH1+9GL-U-03R4URNM1S=M?7%
1+H-0<RB355%<5Z6Z6E8FT2155E?39W3?<~<1E-06S?P8?<IN.2P+KFNHDL1.T#<C&E:P5?Q?<GS M8-F22-U-0 WJKIR<S?P0&G&H?<1+1%>9Q&6FV7QP G1RILL+U+1 6IXXF
MWBGN=>7R<1C7V2\$9AUF1X5?>21HJLQW700=8E6HIOISM1#1Z+U&W&VLE61M7Y1KPU?<F7?>8?<QCO?OD.O2GTG+<#1<~<1X6<~<RCGK+<~P&6.IQJF120W?<M2E.OE8-
L2\$Z(6)XXL>ZHXX&SPWIXFTFZVNROX B>61%<X70KWRL%<M3?QVRUN MG&1>+<AQYRMF:G&LR.5GW7A?1J6?K&B9.N04DI-V&N-9#1+<C+A.SIT<
M\$Q:Q84M14JH1?<SWSGJ?>~IBXXN705X&L7ERUO.FX&C=U@N?2P(NM1.ME2TFF13MS.LU:5YV1?JS_5=60M9PK5=CW6J3M3W6K5?<~SW9WJR4AM/H8-
MY<~<X7V81?<WAX17?<55X>1ZV6W0Y?<X?<OK?<OEIWC=<~+YY1Z?<F5W1S MC85A?<F&+>UYV<~<+>N1NOL.V5JWX<~(VX?<J5YM81&S<34&SKAM M14O19-
>9W1NR@<~<WTRWRA1\$VMOXAWYH5?<~>2%JIRC9)OKO9R.TN<~5% M>3/2H&5.H1TEA#KJJC<83H?>ZBO

WPKX-K-M-M/UAY-9U5E7PCB5Y-1BT-146U7-2S-CDN::MK2FGWZK-J-0OD-1ZG-7%P-7A1U7-0X-5727TIAQ-<-MS.I@05A6.A/UAX-ORIMU-M#9TB-6FSGFOS/9D? TH85-+1OW=>Q-KJ-N3#-ME+>+OIBD.GXMK@7QF+Q-DQ-IO-MK658F%IY9CK90+1.NH>2+P1YI-H-MNG73+17B-7PZ-6.BIYQOTGZ-7J99B+9-(FE51G4Y-9*M-VL\$P).B=9W@R M0-55>+1A0I0J3Z M004BHJXSC3PD70=>M-\$.>174R=>W-8:JF0NP-F:YV\$5P-MRH20% 0P2R5YU5-\$.>177MM-&E-KRFJZ-6%G-4G-7441F5V-1 M-KTJ7I@S8RW-6G-XEAP9V-4A-<Z>1Y4C+W=>K-KC-0Q-WDKL->JG-C-8-Y+1.5%P0.H/O7TF2HCT.ORSB6DIOGXGJPIRY#<MH-IR2QX->S2-S1-27-6YR60-<+T-XF)H4GZC<0U>:UEFF-CHAPL-MX(1)MDT37-E-N#<+1K-LR-G-5&15-O1DF@H8IC&H&GZ6#>P-815@IHW-15%W10@-1B5%QCAT-9@JML0@B#XHP-OK)F-1F1@? 1+GP0D8<+JH-BM#>122+>+G&C-8%K5X4-N-1M(1E3235:P-C)J1JSY3KJ-X-2MA2ASL2-M.HQ%EFIBA51-0.B@>XH6@0TCH-H200?T-362(SVYU-21E2M?120-1%DK M-20G&1.031U1R7>H/GZZ7KFPK-71UR5JH&SLK-K9?=>OJ#2-HC%KX=>L&A2JZ/COT-M-G+&97DM-SA)0<\$.>#>+N3->+>OELK-56->5P747F#-M2ZP-99U8-H2-J B(HQ/W/N)Q01=NQ8HQ00%#1=14WPWRM(1@0F1AKNZ-M&K%>QOE(1KPA)63J5:15%#>351+1&K&BWB.OBVYXQJ@#141@.1LS1Y-4MS:4&671C-1 IWTXNNW19N1WMS->V-HIFYN)1->M-5%SZL2->C27804-1860-MJM(1YAE1F9:IEHF-NY)M%>0-1N6G661T-HSN3A*59WHT-CW18K-A+16U-A0-Z2M@<(YDGH1&K) M-/N/B4709Z1-E5G07QJQ-VC-84132M&Z-L19-C-10J1%>1V5X-LU-M-8&M&JXK-B=>1-9-5-OZM4115-CZM-D-HLH%K&O0:221G1W+1&F-7 MVZ@D(U51X->1L6B3K-CGLM&K&D(MDRB=D651N7MK1M&G14LEZLDC5*PVI->M7-2V2-1HG-S2F-JR1-1L7M-E4-Q0%>EG27&S1%N=CN9(B24/EA->1 M2+5%T20-ZD->0361E050%#(X8B/1H3G-V7S-KD7@>J#2-M00?D5E.OQ0?<Y>1L2-0-E-MR->XZ-1V)=1WUM7#-1#V+14IKIYNYWXY<-@-YK2*199E+#+>+>EJ-+>+M H17PRX91PW1V<17&=SO4Y-KZ-V3714BXE-KO1XGN-P7-9JP74173R4-E6(HZG55D3P1U4G9<557&M75%2H9>OJBM+1LEO?>2+R4KM+7U+PS:IEE 3->M91974ZSSZ&WU9E<-<IM-MKT-CP-195H-M3HC%>@BR6@>Q-OUUM-LXUA:0P/T6WN6IV#IU(0-015F-LT&XJ85<7E-1F37M1-IR1&DGE(0#>9-YD4-1P)C1Z4Q-01MF6+1H-M3A3E1-4YTHJHPS-FN81)O-OCSS3?>FJX5W2>BX&QR-V*UX-N13-DJFA1-1-M744N171700J&12-0#OG-YLA#38712-0-CMJI-K0V16414-GK@N3IES> M2+5%YTF162%512Q*26G)1H+1F2A*FJG1371#1JDS9P9-QH@K>N-Y-M-K&FW0-ZG0C%>#1A-11H7PZT0%<1F>+10SL2#N#F71@599?B%K M+2%EH)***#MEHJA-KD0NBL176%>N%42+1+1Z1O-L#1-(E/G-M-TR29PQO8VH\$!B91OWY+15-2N-CAR-P101B7-F5>E-B1G-IG<->12191EHD?U\$-72)~V/5 M9V*KO1VGV6R5-O=DUP(6%219*SEK)=61FAAZP-@-#1VIES4<8.SOWC-M8-M&MSXVY>9J21D&O62-110H-TA3.30HWG.01GZK=Q-CZ=>V:21-60KUY-M*EO2 660U925HQ>QV81E4#YMG169>>GP-F-DK2-Y0%<1H>0-MA1-#LW10141-#>CTHX-E-8(Q)1P-FRH719U1D>3>R@>H-O-M816ZB1-N-TNDRE5E1212-MWD-11 MB50N1YV-E#-5.61&548N<-D9GYO1R386D)M6X9-U=>1%9@<1MZS)K61-4Z1P1W+1-OMY-Z4+H#)01<<1#FF-D#L-E3BW+6DV33D1M MIN+12B76T?<#>1VLB-RP10:1JPF-4R1T-@<102G-8-121-MJ09E1U1J5=>7H72&PG84N1S<-HWSG-M1851MBCA4F7H082174RR8+RW7718+0J-#&555U72J=>6- 2+8HV&K1P-M-2+60X92-12)025X01Q(1X29<5-0FG<1H-N1P5U10G1471)8H-RAB-M***<Q-Q%#>OB+14H-R\$1JY1 M-VWT>F/H13XY1&ABPN:CS573UC&S3EY:9E;HHPBFXCTO4*S<+HHS-P-MZ3TM:1P6-L(HN<+>JT>9V1;K&Y(OK?3K(9?>+>+160>@:SI-0GD-8" MP:9452U(Z4-O-1F1FEB5X1TU)UV-1&FSTOK85.5JRU-W2->UL-M-1E(4P-2-V2D1H3N=>2UG1FA:SN6N5<@QOH1T6TM79)N>@>RH-6G@MXJF7IX95?2-IJW-ML-? S)H2-WDH?>XB&OR-MY-2C(1@-E.L72-2E6DGHJHUCV1#61U-N=>M2A?Q>X9NH@1+&5BLO5&AUM&A@911E(=1)I2-8+10Y*41-W+>+166-PD-MK>YVM1%91P2B) M3-M5&J&C%>@<V-L-4-D-W1*ZEG+>YJ-2%KX-TYXU717-7&K&G<@%>2-M1-2D10717JF-V5-092&C-1&N>E-PO=>2-H10-9-14Y-1YJ15-M-16D-MSQ&01Y1ZG* <5G-8IP2V=7WS717-6W02>1P-ET+EHIX.QWARY-91&BQV75B%CM&C<#&TEAX1SOJ5-M2S1=>Q-143R1L15+\$S-S-Q-F***8G:6-6A47-R&S<1-M2YR1\$%>7=U- ==FE-WNT*3N-X61C1-K@K%2DZ1&XK?3LE7(12F6*6R-M3C2*13(1151A4-Q-IH(D1P-Y-U4N1H"Z-Y,14R176Y70EZ8>S59G1I-MIO(91-S9E9-R@311A6U16K<9J? <#&4F-ETEGY)D-MAMAD-H&L-9D1SM<57X1XCP-PPH&AUG-72M2N25#2-3Y@Y15@+1-MO2Y1P-E100-9H57WCHBU5=>#1)K1-UsU&149AFIC2J1T18CW1L=H(N? M1@W1H(OOT13N1DR->116N9V5D116-1+1U7G>B6%>2-71G-R#<2-A-MBRNGV1U124N&G&1)@OT-9-5&M-NY-ML&M1-@JAA124K#JHEA-M1=>5WMT&1-BOGE-1 U5->ZB&10-10FC-@Q16K&M-FAEH/RS1)2LH1=>M562510%QOFT-LT<9K-7R71&131A4OK?>1Y+25/AR147+P-251Z)1H1P->1-1FDBT53D321C151#0-Q-XWQ-22MI2(H2 MQZ-6%1D1K<->G9261E50<H-+BA1157H2UOCAQ-DST>D\$>F1HJHQP&M-1H&Q0S171#K4Q&A0&H&ANT-7MTVY1\$10:2@>PUK10454347V76N&Q-ET M#^A#LM-%10CC+1#G1XP#N1H2TICX1+12AT-3GMW&4S73-SAUX+14)=C.(0%66@OFKLR1UR:HHX-M52Q%D4H;R<@<K#63H"IRF\$>1^>3F=11@E)51030S4F05H@ OTMPULU81M2*U#2#8-416IQ&Y-RA=>61%4@>+R-M6P1+PIA<+7CL-MUX&13#<-CY-MA1<-GO1OPUS10-Q-1H1L1E-46EQWJ-L1E-QM1#7+>+XBY>Q8IR-Q-M? W1R-UNEH&E2-L1S10EDPGIZIAR153-KAUBP&H&T-1-9&S1U37CSS>+X822UL1G-H+U21320>21X-8770&4VN6=1HEP202L%>A-M25-FEVR6123)2P(=1 H1G)+RGE19/9F-8W-SPF-8#56@<1M1+1AHNE=1M-MFU1U>>2-11K-W103Y1Q4Z2-RUQOX&-11W6<3%4HEH1B1<->G1T01N-7R9U flZG)>QO1C-6HR1&S2D1KPKQ6-218P-MP-F9&K-#2=6A@>#W1H-PPW(10H-M#15)B1(B2NF-LXG7H2U-U-#R17@<C)19:00AYG1Z(12H+11G1T.995F66-MJ ("B&C/C-ENK1VR-02C4+22%SY#<RC2RF1

[illegible]

PINKG5I\$S<=&FU\$ATF*0-^/L/G)HIL>KP<3AT #XI+ MQS3*GR6*Q40Q1 TGOI 3M/Q /ELN/!JS:NO1?O^A+&D0NKM\$% M17)CQ%X\$OG2B6(> I(59@&OEV=-I IN\$8#I<=>IRJZL>#<^Y\$3BF^H^H<2 M- BV-IV^>16K-Y8V-Y&B^B^>6D 4H8DLPI?IC>C&G&UJH,K33?>5K00-V M.ZWTRIHND8UJ0Y9G.7S)B)UW)XG)2THWDI0S^!K* A^BIMV^!0GMY+P%G0 MOMY@|CS|-L22H<I\$1.S00 K^E^H^G0VFAH8HQUN^!L9A0&K- <I^>C7/M1\$BZG:5C69V=>SR)G_0N0T=>PFID_>DX815I?_CXPOEUUVVWGV_KB? H<24/DW/H?I)H1+R-U^>FEP-MEP-L&R/02HP^<G^LB<=<O/I/GCNDV\$S\$%<SUH_?^?MG<^<1A^<I^AMH_MDR^>W?T?0< <=&4\$&NPG(7EFOM(BIR^IG%9K98S&IQO3R<MKCFIMM-K<@P.M4_690BVDOW>B^#T5=UO^&^TNGY&I05?2@CC=P@=>^OPIYO^?PGX_#4=-A4^M&^M^F4WP?C|_R)U2:|OT W|I#>1^NGE10@>4#0|<N.7|>=XYFY#>55DIFXUJN>5I12W0X>Z>B-|>=I^HBO^?I7ZL MD0?K8T^P^VMOK=>SF7T0.N^#&#4%<@K^!W)E^>^?I#>^9B|<49KT_*> MX2J_/DA_WP@ER?ER)OUWU<0^>X^P\$<4^3|@<-(MGBR^&6_CEF-M^<C^I^VPACT^>0^DDIB\$>/(LY=M+<^MS@>I^456P2MTFCG|G^YCR- (B+<=>B+K^T9C(A^<N68S12>_<NXO>V4.G4.F16.M.DUI^D0^>X3.L12D3|>WY@PRH^HE(X0@XR^>EN&S.J34&COR\$>X?0I.M_6L5%H%?Z&A^U^C3)? P(2G^>=D/Q/A3|<^<V.61+>^2E0XU9IVC4V5IAGMCI^>I%P^<0^>N^G_&X<=<CE^6H_MBE&X_X^>D2)HQ5YA^9(B3=G(E3I^R2^ *CB6/M^>6I5|@&2T^Z.M9)WP6Q|CW=&CW2Q@Q<_MC/<^#W4/Q.UY(9H/<3.Z?E0R3UGX2&_*\$&0QE+AH8HC00I6E4UD#=>I2\$|D^M(SV;H-ZACXHWX#F|YK)I^<R9P|OY V^%>A14I?Z9D?>A5MP_9E34.YC.Z.M.17=>I^D^G1C23^1RL5902NGD|P1^>9.DAMP?>|>HUIPE^&3ORS>=>^>EC_M9+71^BT2=>I^>X^T_35I^KAE_3E>I^>U.#=>= UO>OPIN)=_U60>2^>0I0R_MX10|<0.G0.%4\$&B^?J05H?R_I2F4D^>81K-D3K^&F^>YQI^>0U_6O6F49Y>X_R34_PNU(I^>PRN#>20=>5>UAZ14^I3BB&_M^?Y A?>X3F^>P%>PWK&EAD04^>UY_0E5>U^?677RRY<I^>M.H.KW53?7I2_T4GK|QA976VYU.21V^>0U^>VEX6G^>DGEEPPZ0>(>Z1?D|O^>7F^>I^>L^>PQV(3=6)>2^>N1^>B6^>I^>C4|>E|W?Z^>I+G=C|2316H^>H^>W84|XHP1?>M2L3C:6&S|V2^>ZAG^>8ML6W_|H_TBI=I^>60AX^>H^>S\$M|+TCYVG=U^>D^>F_M5R+0|XD7?2WH^>PB^>K@R51K_E\$>3NZQ|3E^>V\$>4%?>03B|PUPYYLA+KA<M29^>P|P1DV|7GD_K<G^>X_G|YX|_I7UB3?Z|H^>T^>PX7^>RSI?>?S6)%=>Z7^>V_M6F^>BBC=7&<^>W^>TVA^>W%>@?&=>7K|?P X>Z^>YIC>?>U&B0;I^>Y^>W?>T^>K^>4K_M3+>I^>P^>U2C0^>H^>AOTN\$>U6N0^>N^>0^>6=>=>LUP1\$>L\$>M^>S@>Q^>D_5.H5W41<0^>S^>M^>9B7N^>M^>3731=>I=>=>8U^>9RH^K|DHS- I0.SU(W\$&D^>A^>YAW?>=>880U^>R^>H^>C|W^>F5^>M2^>M^>T^>M^>K^>T^>F^>M^>W^>A01^>I^>C^>UEX^>05\$0>I^>AAZX_U^>85+I^>D^>D4J50^>I^>M^>4^>I^>5I0C12EG^>Q5ABIE^>^>4&6G^>E09J^>Q5^>MAH&0^>D9B0^>FLXRA<^>4&X&^>M1WX|@>BW^>#0^>Q1^>U9^>M^>#0F08^>F8Q\$>4&P|_M8\$6^>I+>E^>A|L^>VBO^>I^>=>U^>4R7^>I^>H^>G33C|_UEU^>L^>N^>K\$2=>N^>M\$XP5^>C^>AGT3\$SIOQ9^>@R5^>H^>M^>6&S^>D_5HP6&N^>P7PZM_MN^>F+>(>A+|>91^>I^>6MAQ^>MPBH5^>_*\$>NP3PIA^>FESMPRW^>ZNY^>E^>Y^>@>I^>_2^>L+G6S2BH^>G^>8FK^>I^>EPV\$>)(V^>R<M^>A_10W%> @P^>M^>KX^>7IV@S^>8V|S^>H3^>^>5M^>X|<\$>_>A^>J_>ROYEP6W5P5^>P^>E^>MG=U7ZVZ63^>_>=>G^>S^>=>I^>G^>W^>5R^>FM^>M.N0 (>55\$>G^>JRI^>F^>+&^>K^>F^>D^>G^>T^>S^>Z0\$>=>9C8FDH^>Y18EU^>@I0XG^>+3UM^>MB9F15^>V1430C^>UOQG^>_>B8|<%>H^>+>|>OEE^>I^>X<=>=>=>AU9ZG(6\$3H^>?71^>#^>_*\$>FS^>S|S^>M1^>10^>H^>C^>WA_N\$>C^>F^>H^>30_V&Q>0U^>H^>W^>I^>H^>C|W^>F5^>M2^>M^>T^>M^>K^>T^>F^>M^>W^>A01^>I^>C^>UEX^>05\$0>I^>AAZX_U^>85+I^>D^>D4J50^>I^>M^>4^>I^>5I0C12EG^>Q5ABIE^>^>4&6G^>E09J^>Q5^>MAH&0^>D9B0^>FLXRA<^>4&X&^>M1WX|@>BW^>#0^>Q1^>U9^>M^>#0F08^>F8Q\$>4&P|_M8\$6^>I+>E^>A|L^>VBO^>I^>=>U^>4R7^>I^>H^>G33C|_UEU^>L^>N^>K\$2=>N^>M\$XP5^>C^>AGT3\$SIOQ9^>@R5^>H^>M^>6&S^>D_5HP6&N^>P7PZM_MN^>F+>(>A+|>91^>I^>6MAQ^>MPBH5^>_*\$>NP3PIA^>FESMPRW^>ZNY^>E^>Y^>@>I^>_2^>L+G6S2BH^>G^>8FK^>I^>EPV\$>)(V^>R<M^>A_10W%> @P^>M^>KX^>7IV@S^>8V|S^>H3^>^>5M^>X|<\$>_>A^>J_>ROYEP6W5P5^>P^>E^>MG=U7ZVZ63^>_>=>G^>S^>=>I^>G^>W^>5R^>FM^>M.N0 (>55\$>G^>JRI^>F^>+&^>K^>F^>D^>G^>T^>S^>Z0\$>=>9C8FDH^>Y18EU^>@I0XG^>+3UM^>MB9F15^>V1430C^>UOQG^>_>B8|<%>H^>+>|>OEE^>I^>X<=>=>=>AU9ZG(6\$3H^>?71^>#^>_*\$>FS^>S|S^>M1^>10^>H^>C^>WA_N\$>C^>F^>H^>30_V&Q>0U^>H^>W^>I^>H^>C|W^>F5^>M2^>M^>T^>M^>K^>T^>F^>M^>W^>A01^>I^>C^>UEX^>05\$0>I^>AAZX_U^>85+I^>D^>D4J50^>I^>M^>4^>I^>5I0C12EG^>Q5ABIE^>^>4&6G^>E09J^>Q5^>MAH&0^>D9B0^>FLXRA<^>4&X&^>M1WX|@>BW^>#0^>Q1^>U9^>M^>#0F08^>F8Q\$>4&P|_M8\$6^>I+>E^>A|L^>VBO^>I^>=>U^>4R7^>I^>H^>G33C|_UEU^>L^>N^>K\$2=>N^>M\$XP5^>C^>AGT3\$SIOQ9^>@R5^>H^>M^>6&S^>D_5HP6&N^>P7PZM_MN^>F+>(>A+|>91^>I^>6MAQ^>MPBH5^>_*\$>NP3PIA^>FESMPRW^>ZNY^>E^>Y^>@>I^>_2^>L+G6S2BH^>G^>8FK^>I^>EPV\$>)(V^>R<M^>A_10W%> @P^>M^>KX^>7IV@S^>8V|S^>H3^>^>5M^>X|<\$>_>A^>J_>ROYEP6W5P5^>P^>E^>MG=U7ZVZ63^>_>=>G^>S^>=>I^>G^>W^>5R^>FM^>M.N0 (>55\$>G^>JRI^>F^>+&^>K^>F^>D^>G^>T^>S^>Z0\$>=>9C8FDH^>Y18EU^>@I0XG^>+3UM^>MB9F15^>V1430C^>UOQG^>_>B8|<%>H^>+>|>OEE^>I^>X<=>=>=>AU9ZG(6\$3H^>?71^>#^>_*\$>FS^>S|S^>M1^>10^>H^>C^>WA_N\$>C^>F^>H^>30_V&Q>0U^>H^>W^>I^>H^>C|W^>F5^>M2^>M^>T^>M^>K^>T^>F^>M^>W^>A01^>I^>C^>UEX^>05\$0>I^>AAZX_U^>85+I^>D^>D4J50^>I^>M^>4^>I^>5I0C12EG^>Q5ABIE^>^>4&6G^>E09J^>Q5^>MAH&0^>D9B0^>FLXRA<^>4&X&^>M1WX|@>BW^>#0^>Q1^>U9^>M^>#0F08^>F8Q\$>4&P|_M8\$6^>I+>E^>A|L^>VBO^>I^>=>U^>4R7^>I^>H^>G33C|_UEU^>L^>N^>K\$2=>N^>M\$XP5^>C^>AGT3\$SIOQ9^>@R5^>H^>M^>6&S^>D_5HP6&N^>P7PZM_MN^>F+>(>A+|>91^>I^>6MAQ^>MPBH5^>_*\$>NP3PIA^>FESMPRW^>ZNY^>E^>Y^>@>I^>_2^>L+G6S2BH^>G^>8FK^>I^>EPV\$>)(V^>R<M^>A_10W%> @P^>M^>KX^>7IV@S^>8V|S^>H3^>^>5M^>X|<\$>_>A^>J_>ROYEP6W5P5^>P^>E^>MG=U7ZVZ63^>_>=>G^>S^>=>I^>G^>W^>5R^>FM^>M.N0 (>55\$>G^>JRI^>F^>+&^>K^>F^>D^>G^>T^>S^>Z0\$>=>9C8FDH^>Y18EU^>@I0XG^>+3UM^>MB9F15^>V1430C^>UOQG^>_>B8|<%>H^>+>|>OEE^>I^>X<=>=>=>AU9ZG(6\$3H^>?71^>#^>_*\$>FS^>S|S^>M1^>10^>H^>C^>WA_N\$>C^>F^>H^>30_V&Q>0U^>H^>W^>I^>H^>C|W^>F5^>M2^>M^>T^>M^>K^>T^>F^>M^>W^>A01^>I^>C^>UEX^>05\$0>I^>AAZX_U^>85+I^>D^>D4J50^>I^>M^>4^>I^>5I0C12EG^>Q5ABIE^>^>4&6G^>E09J^>Q5^>MAH&0^>D9B0^>FLXRA<^>4&X&^>M1WX|@>BW^>#0^>Q1^>U9^>M^>#0F08^>F8Q\$>4&P|_M8\$6^>I+>E^>A|L^>VBO^>I^>=>U^>4R7^>I^>H^>G33C|_UEU^>L^>N^>K\$2=>N^>M\$XP5^>C^>AGT3\$SIOQ9^>@R5^>H^>M^>6&S^>D_5HP6&N^>P7PZM_MN^>F+>(>A+|>91^>I^>6MAQ^>MPBH5^>_*\$>NP3PIA^>FESMPRW^>ZNY^>E^>Y^>@>I^>_2^>L+G6S2BH^>G^>8FK^>I^>EPV\$>)(V^>R<M^>A_10W%> @P^>M^>KX^>7IV@S^>8V|S^>H3^>^>5M^>X|<\$>_>A^>J_>ROYEP6W5P5^>P^>E^>MG=U7ZVZ63^>_>=>G^>S^>=>I^>G^>W^>5R^>FM^>M.N0 (>55\$>G^>JRI^>F^>+&^>K^>F^>D^>G^>T^>S^>Z0\$>=>9C8FDH^>Y18EU^>@I0XG^>+3UM^>MB9F15^>V1430C^>UOQG^>_>B8|<%>H^>+>|>OEE^>I^>X<=>=>=>AU9ZG(6\$3H^>?71^>#^>_*\$>FS^>S|S^>M1^>10^>H^>C^>WA_N\$>C^>F^>H^>30_V&Q>0U^>H^>W^>I^>H^>C|W^>F5^>M2^>M^>T^>M^>K^>T^>F^>M^>W^>A01^>I^>C^>UEX^>05\$0>I^>AAZX_U^>85+I^>D^>D4J50^>I^>M^>4^>I^>5I0C12EG^>Q5ABIE^>^>4&6G^>E09J^>Q5^>MAH&0^>D9B0^>FLXRA<^>4&X&^>M1WX|@>BW^>#0^>Q1^>U9^>M^>#0F08^>F8Q\$>4&P|_M8\$6^>I+>E^>A|L^>VBO^>I^>=>U^>4R7^>I^>H^>G33C|_UEU^>L^>N^>K\$2=>N^>M\$XP5^>C^>AGT3\$SIOQ9^>@R5^>H^>M^>6&S^>D_5HP6&N^>P7PZM_MN^>F+>(>A+|>91^>I^>6MAQ^>MPBH5^>_*\$>NP3PIA^>FESMPRW^>ZNY^>E^>Y^>@>I^>_2^>L+G6S2BH^>G^>8FK^>I^>EPV\$>)(V^>R<M^>A_10W%> @P^>M^>KX^>7IV@S^>8V|S^>H3^>^>5M^>X|<\$>_>A^>J_>ROYEP6W5P5^>P^>E^>MG=U7ZVZ63^>_>=>G^>S^>=>I^>G^>W^>5R^>FM^>M.N0 (>55\$>G^>JRI^>F^>+&^>K^>F^>D^>G^>T^>S^>Z0\$>=>9C8FDH^>Y18EU^>@I0XG^>+3UM^>MB9F15^>V1430C^>UOQG^>_>B8|<%>H^>+>|>OEE^>I^>X<=>=>=>AU9ZG(6\$3H^>?71^>#^>_*\$>FS^>S|S^>M1^>10^>H^>C^>WA_N\$>C^>F^>H^>30_V&Q>0U^>H^>W^>I^>H^>C|W^>F5^>M2^>M^>T^>M^>K^>T^>F^>M^>W^>A01^>I^>C^>UEX^>05\$0>I^>AAZX_U^>85+I^>D^>D4J50^>I^>M^>4^>I^>5I0C12EG^>Q5ABIE^>^>4&6G^>E09J^>Q5^>MAH&0^>D9B0^>FLXRA<^>4&X&^>M1WX|@>BW^>#0^>Q1^>U9^>M^>#0F08^>F8Q\$>4&P|_M8\$6^>I+>E^>A|L^>VBO^>I^>=>U^>4R7^>I^>H^>G33C|_UEU^>L^>N^>K\$2=>N^>M\$XP5^>C^>AGT3\$SIOQ9^>@R5^>H^>M^>6&S^>D_5HP6&N^>P7PZM_MN^>F+>(>A+|>91^>I^>6MAQ^>MPBH5^>_*\$>NP3PIA^>FESMPRW^>ZNY^>E^>Y^>@>I^>_2^>L+G6S2BH^>G^>8FK^>I^>EPV\$>)(V^>R<M^>A_10W%> @P^>M^>KX^>7IV@S^>8V|S^>H3^>^>5M^>X|<\$>_>A^>J_>ROYEP6W5P5^>P^>E^>MG=U7ZVZ63^>_>=>G^>S^>=>I^>G^>W^>5R^>FM^>M.N0 (>55\$>G^>JRI^>F^>+&^>K^>F^>D^>G^>T^>S^>Z0\$>=>9C8FDH^>Y18EU^>@I0XG^>+3UM^>MB9F15^>V1430C^>UOQG^>_>B8|<%>H^>+>|>OEE^>I^>X<=>=>=>AU9ZG(6\$3H^>?71^>#^>_*\$>FS^>S|S^>M1^>10^>H^>C^>WA_N\$>C^>F^>H^>30_V&Q>0U^>H^>W^>I^>H^>C|W^>F5^>M2^>M^>T^>M^>K^>T^>F^>M^>W^>A01^>I^>C^>UEX^>05\$0>I^>AAZX_U^>85+I^>D^>D4J50^>I^>M^>4^>I^>5I0C12EG^>Q5ABIE^>^>4&6G^>E09J^>Q5^>MAH&0^>D9B0^>FLXRA<^>4&X&^>M1WX|@>BW^>#0^>Q1^>U9^>M^>#0F08^>F8Q\$>4&P|_M8\$6^>I+>E^>A|L^>VBO^>I^>=>U^>4R7^>I^>H^>G33C|_UEU^>L^>N^>K\$2=>N^>M\$XP5^>C^>AGT3\$SIOQ9^>@R5^>H^>M^>6&S^>D_5HP6&N^>P7PZM_MN^>F+>(>A+|>91^>I^>6MAQ^>MPBH5^>_*\$>NP3PIA^>FESMPRW^>ZNY^>E^>Y^>@>I^>_2^>L+G6S2BH^>G^>8FK^>I^>EPV\$>)(V^>R<M^>A_10W%> @P^>M^>KX^>7IV@S^>8V|S^>H3^>^>5M^>X|<\$>_>A^>J_>ROYEP6W5P5^>P^>E^>MG=U7ZVZ63^>_>=>G^>S^>=>I^>G^>W^>5R^>FM^>M.N0 (>55\$>G^>JRI^>F^>+&^>K^>F^>D^>G^>T^>S^>Z0\$>=>9C8FDH^>Y18EU^>@I0XG^>+3UM^>MB9F15^>V1430C^>UOQG^>_>B8|<%>H^>+>|>OEE^>I^>X<=>=>=>AU9ZG(6\$3H^>?71^>#^>_*\$>FS^>S|S^>M1^>10^>H^>C^>WA_N\$>C^>F^>H^>30_V&Q>0U^>H^>W^>I^>H^>C|W^>F5^>M2^>M^>T^>M^>K^>T^>F^>M^>W^>A01^>I^>C^>UEX^>05\$0>I^>AAZX_U^>85+I^>D^>D4J50^>I^>M^>4^>I^>5I0C12EG^>Q5ABIE^>^>4&6G^>E09J^>Q5^>MAH&0^>D9B0^>FLXRA<^>4&X&^>M1WX|@>BW^>#0^>Q1^>U9^>M^>#0F08^>F8Q\$>4&P|_M8\$6^>I+>E^>A|L^>VBO^>I^>=>U^>4R7^>I^>H^>G33C|_UEU^>L^>N^>K\$2=>N^>M\$XP5^>C^>AGT3\$SIOQ9^>@R5^>H^>M^>6&S^>D_5HP6&N^>P7PZM_MN^>F+>(>A+|>91^>I^>6MAQ^>MPBH5^>_*\$>NP3PIA^>FESMPRW^>ZNY^>E^>Y^>@>I^>_2^>L+G6S2BH^>G^>8FK^>I^>EPV\$>)(V^>R<M^>A_10W%> @P^>M^>KX^>7IV@S^>8V|S^>H3^>^>5M^>X|<\$>_>A^>J_>ROYEP6W5P5^>P^>E^>MG=U7ZVZ63^>_>=>G^>S^>=>I^>G^>W^>5R^>FM^>M.N0 (>55\$>G^>JRI^>F^>+&^>K^>F^>D^>G^>T^>S^>Z0\$>=>9C8FDH^>Y18EU^>@I0XG^>+3UM^>MB9F15^>V1430C^>UOQG^>_>B8|<%>H^>+>|>OEE^>I^>X<=>=>=>AU9ZG(6\$3H^>?71^>#^>_*\$>FS^>S|S^>M1^>10^>H^>C^>WA_N\$>C^>F^>H^>30_V&Q>0U^>H^>W^>I^>H^>C|W^>F5^>M2^>M^>T^>M^>K^>T^>F^>M^>W^>A01^>I^>C^>UEX^>05\$0>I^>AAZX_U^>85+I^>D^>D4J50^>I^>M^>4^>I^>5I0C12EG^>Q5ABIE^>^>4&6G^>E09J^>Q5^>MAH&0^>D9B0^>FLXRA<^>4&X&^>M1WX|@>BW^>#0^>Q1^>U9^>M^>#0F08^>F8Q\$>4&P|_M8\$6^>I+>E^>A|L^>VBO^>I^>=>U^>4R7^>I^>H^>G33C|_UEU^>L^>N^>K\$2=>N^>M\$XP5^>C^>AGT3\$SIOQ9^>@R5^>H^>M^>6&S^>D_5HP6&N^>P7PZM_MN^>F+>(>A+|>91^>I^>6MAQ^>MPBH5^>_*\$>NP3PIA^>FESMPRW^>ZNY^>E^>Y^>@>I^>_2^>L+G6S2BH^>G^>8FK^>I^>EPV\$>)(V^>R<M^>A_10W%> @P^>M^>KX^>7IV@S^>8V|S^>H3^>^>5M^>X|<\$>_>A^>J_>ROYEP6W5P5^>P^>E^>MG=U7ZVZ63^>_>=>G^>S^>=>I^>G^>W^>5R^>FM^>M.N0 (>55\$>G^>JRI^>F^>+&^>K^>F^>D^>G^>T

(HH+CRIG.COC>>DSMDA"Q'SU>-BJ.MD|G"TK%NWN2W.9%E4!>)<|8LWY)NL15.1%8D<6M=-&3>@.7#-Q*MK%<@C>T9@5T2@.0.M6;\$.!>+W>"9."&DV;DF5.M0)5PP
BT\$>BW3Y=9%3+0>@.Y.Y.V.9>2>NTEPI#>2MD=C.S.C.W"O6RW"X.MX?M.N5Y1MSZ?6.#6Q<I2X"Y1.IM0T=C(A)X>?>-88TDKIO.IG^V>J20PN.GQO<-108#-T?>4">P
M6..644PID<L#1.9HH">A&M.MAN?9.8IS;V.NGUDWC<I>1MHU=U>1G9#>+Y.V.CGBM4OORG>XQI<C4N)1<#S<C.NM2;ZHOY9&6SGC.M2?U.6N^4Y
B>EXQI|GB73\$P&SGW|7H.U>P04">90I.97N.W.M.S.88.8<>K.W5+30Q.AD97.CRI.M.W3;H8H<OW^>MOT>H2T#106I9<=D174MMQ/N9)5UW8ZTY.N.HFBAI&S\$#PD
M<?7HW8?J044>J&A3\$DG56?Z.DD4.N.M=<O)H5T.B.OI<I|SA.KI.WUT.MY+U<Q>54)GRW4D10B-KIRBYI7Z12\$S2J0W3SN9N>M7>J20V>IGV
M);H</LB*F+Q@UKGIW.C?>_L.22OX.2C.MZ|/A1B*T61T?G)<EY>#*<+X?G.L.P.W=42LI/Y.4Y.0.Q.YW31CNX\$OO.5.MYT0A<7=J<Q'5<H.LV>=FA3PL@P>Y<U.YW7C<=Y2B.?
B?BCV<05.MP?H>JF>=QFKWZRS10FXS=8DF5.Q>7<A0>1>HAZC<?D2?Z7GP=)M?2+1+KP#>H/P?3L9Y.WR0L.Z<90C<O?P#>ZHW?7C<+>.OL.KOKOM.QU#M%>7V3
MINV13V>0.P>2VOQWB.NAI.NF<=;>_L/O.SQSYT?>7JYA/MY.MAWJ=W.WH<J5<W>2MAX@WOVIC>>>A!<C.L.P#<PK0P.D#IDPF#<L02(S5HU.0.GIY<=OO
N&GS&0<O3I.ZWO?W<=<8>P>?<I4X2.4?>2M1.MOQIGT.RTLL1)UXI7PDRHGZ1R&S185D>I2A/L2<@T.P.ADH?>3.V?6.ML?D.P<=IEM?KY<R.2GEH9>)
MYRB?5P&G9597<MB.U/HDO.1S(I.VW44X?>=<X.CNR"%<=I.N.O2AI+BI.M.IA?>5?>2.O.R<GTR>?>T&2X=>)CP.W@Y@.0796G40WB2?>E?>I)Q6V?P08
M9>*>Z.Y.&T^TK&C<=<CH?I5X0RW|CL<@<6L.VWODW&S=(LH"TF.F.N-M*%>@5I?JW?X3+0>AH+@<7>=<10ID"/P.IV787%>D-F>+G'9T>QI#I0.M=A&GXIT.\$6?
UH+>JOT<@.#!?5GAGC?V?E.S&<@?>H?H80P?>7.P.M%>10>LH<@<W@#H>_>3+I.LSPK^>G?J8HI.M638I7H?<3P?I&#A.NW.WSS7YKBV.WA<C%>M0?P?>3.U
Z.KI5?>.2IXF9A1?>DKTH@E00.1=I\$A%>4.IG.P-IV#M6/705G8&6.MQ%#NH#D)Y%I.D5KMM?T80S.K.F&+76M

[illegible]

[illegible]

[illegible]

2JURP2OAF(7D*W)(G)N&A:50@<\$>#6\$M2(BBEZ2F9U7HRR7D MJ5*%&H1H1EX10=9J2XWG.12.3-RT4XR%HE.6
PTGV)M<W>Y8SJTJEXI<F60ZKJ1IBRPG4J>IYEYF1J KIRD.VY=<Y8Q-G>Q)X M.LIO/XQ<G HG V>V4O.U7RWRW<#I<XHO>S DKOB?71W&ITFR(KZ1M)HJGKN.&SOB"?
J<A>I<A>GALG3&MXJ<D=HA. 4*SC M.LP16<CH> .5TE12V7R7<8Y0-G>#<#P0G&IAC?>L M>C+I2?R7>=+WF63 MFWAO1085 12+1#<#H\$%>OPQ#BZ RI?9(OI?>X PL1%<1
H&99&IN M21<0L5HFN0B0<W>9CF8. AU119WL2Y8D7X1A<51+Z1>XY.S M.PYYR?PL-FX51PKH EFH1M15Y?M?<M8Q2M?F&3140G2&5PMO MOA?>
XJAXO4.YG7<0>PO(EXP1.8TAC4 MBW.DU= AU121WL*G7P<R<2XOOQ7022<PY-S>PJ=I-W4Y.VV147.2%KJ-8. M?<UYVHWBSBWWY>N<=<G>X>-%CCYV?MST\$M+>
->TV?12.01804.MY8B7.R.93W7+1BDY03XY50IAIS.C.MIR9X.MSPR2=AD71H974XLA6H+60)##1%0%.SKD>4RSDIG?WW-/D<N17 MN"?35G
<R>&10U.NB&=<O)08A6U76G7F&V>XIOI<=<MT>@:MZJ(UHJH<f&5=70?BP2A?>X4L*N&5QWR1=AY.ECIEFLUNHO<9BL
TSJB&FZU1S?<Q?N21P?YBQ29&GT0.Y0H.M M<XW#H-H0IUYXYCJD-PXZ4R1Y%K1 M&D.E 7L-WLZT&CPI+GOCQOJ31QW1+1.177HF-F<1MIH=<#0 M<7=-6E4FF.4<E?>
Q00&4L7I&K.B.O2PHE16H7<C(RIY1487?15HKMU.Q M.AA.21.C50V H4?DVM&K1=NFH(L.M1H2I&K&1=NIW19.8;N3.XE?<M82M?M01>J0.M.NG=RX15V.T=1Q>#>1
MYOYUVCXG9H X)##156<TLD.MX1P17P17HD4P.ML+2N0KCMFDR(X.20H)<COGHL1SS<=<WJV?>1G4X1UXLH717PDB+9%7BGLK1JA.931GH
M9TPP.0.OGE.V.CRY7I(KCZZV1%<BHTL MZV.Y5503804FOD&6R8ML0R1#9.M>13539N.SU(5FAEY3RR2Y.Y#(1?<SXGDI2P?+1LMXAFIN.UA&(<="KIE9POV<=<
=<Z92=66G73X(5ZO MSW)EG+2.A.G4>R.O10L?1=+<#9&R5?HP41>B?<B?<F+EGR1PM.#<A?>M?>T?<A?<A0&23&D&X/D1#<=57-02FE1W2A
A.74+<FFIAKFXH=<#M M&BP7P140?<B?<O&M<1FG<XHG6.K?<DGZJ4F4&B?<+T6FF)H7+K(KTF4V4141\$M>F2H?<ANXIO.64J(X.07BGRB1 NV15&B6G>R'>Y:214
14K1L5G.H?<H0?<Y?<H0?<GHC>4(3.(QM=Z?<TDHKK?<F043G3G.7?<1Z&41VYH61TE?<5)M?<+<1D?<#<0 2A15X3B9W01.JM&55.47.7P-ER?>JF M4OYY<X#<
N1V6GPRTP[G15>1H06TO(CT.LM YNHKK 9X"?<?<QUH1P?<UUC&D&B M.HS.H4<0WL5E4UHE4D4UE6&S?<K2>=<H2Z-BD&6J3?<407%2>1+KQZ1WRM?>#<M+<Y+<55?>
14M1Y33.0P9I<O BXK&65KE&0R<R3.3.O BY41CE1XQ6 M55&DKMAH?<ZH89.1CGH1JA.CH+50YV.5BC&E50C>U?<P5A14YX17U-F.M.01VYH140&M?<MB9VS-F1
11MMY379&QS14?<11ZHGTF1.81SYO4(HJ.M.P1.MC7110EHX?<F>#<70.R1<WGA3>K?<O1S1S12&GH.MD5UEBOPV.U257MRHJ21L?<43.BGQ<Y337IGQ?<X1Y M?<#<
00103&8F.<V20W7DOTOIMDN7<C2?<U=<F3I9B-1419-F4(W.MIT MD4C2?<U-OR0Y1D.20<0 0ZSYOH(W3W21+NE5.Z&6ZNX0.1Y1L"C5?<10 M?<.(THL&
16.1639-2C<CAN KJV3=OSQ.96BR ML JKZM11+<1AL<A4660+JOZD<B&XVOJPP+<F&W47P.UHQ&T?<V.D07LBR<=<4E.PJ.R<AD.07.66K?<P?<R
Q0230CHD7P19P.KP&S&81YBZNUH1QH6"AM.O L2PZ.W6-B?<P3.M+1K51LW?<W?<X31HUY.1#<MU.A210?<H01?<Q31H78VYWP2=<HE=<5.DY30 MH2.GG&BF45-Y?<0.9
E4A.ZH1.L1YDPODH0.Y02?<2=<#<RZ0?<C4"AM MABPY312&G&KZ1?<UE?<F?<G.E.IRZMA.HE=E921+<D1?<F01?<FMH16=<EJ.FM2.
010D.M.EJ:Z52=<+1JL0Q?<GIWC=3L917DXGX6C&A>Q.XK1B(N7SE.5.04 MR7(UA?<1P%4.G6RG.I/O8.%9FL.N89+<47YFSD.NWG-G M&5H=9VIDPW>4046YOP5X88?<7JA<CG.
14C4 CARIRPB21.K1D3ZP1?<MLP.WL-6H71?<AR91Q1TM4KF2Z91L1V1D?<DQ07?<2Y2U?<M?<=<G6K1OU?<1)TMN&E/O M1?<1)7B70E?<E&X=<=<KUI21
01511#<0<PVR71H1TF.8U9?<H1JF1&R.MTFM<H1JF13PK.TB14H6&4.Z61H1Q?<4FWB?<H066.JH029.52J.YK.MS021.M32P?<1>XWHG0?<
=<723>1J3K.13TK.N1Q15P78+570&Y=DWY4>1JYO>1JL"OKZQ4J.M351?>MW>U>1>D35PDM00.1V&M1NU 15?<M(OU0D021>1JMS7?<H.4)U3N?<D<861OR19V
1.RH1Z3HM10C?<13&1081Q1CEV31H22>7%?<7?<H1TNG)OBH1.M+5C M5<3?<QM=<S<48OB#11.S.GP.H M& MEO?<617B.M1+XOXOR1SM701&H4EJESG-7
1&R1PPIF1J1M9.016?<Z5>M=PB131J(E15YQ?<E6B/W1?<152%55C.R1P1?<1>14S(HC1200 MHEJX?<6DKR+K15XD?<3 M2?<0>=<#<E.VM?<YTH1H01&LBW0JNU7B&1J?<Q+N1)7XS1T
116K3?<1.MJXB533D32.TJR<1QOY?<K&4E14 9?<B67F3.F?<F+<1?<9B?<2CH&6#1J0?<M?<1?<WBC9?<1S?<R0G?<71W1F&R&N1F&M01X1K1B?<D=1
2N%Y1SO .A61.Y.A&X7?<F43?<3#B?<B?<BL&PKT03.F?<F+<1?<9B?<2CH&6#1J0?<M?<1?<WBC9?<1S?<R0G?<71W1F&R&N1F&M01X1K1B?<D=1
7K9?<CQ5.SWAEB.RR1?<1&J1M+1.7(6&V51B?<N?<ALCOP6?<1A?<F57C M1G6 .#<U1<O.MHRP6M=ZXU?<5.F1Q2.5S2?<Y1P1.FCMCB2Z(PB7RG1<JVL.C#COP4&1
1J1OR1Z1=1OY1?<9X7?<CHU7E184?<GLUA7H+G1O1?<P&GRG1D1511U.M4W?<P2.BP1&MKS71HGY1D1#<+5U1O81.N1.ODP?<OV.OO8B?<+5.M M701?<
1?<H7<19S.W69Y1Q?<612&E?<2XN50?<BY?<SR9?<M&1Q1O&M.3%<1C.MNR&R&R9?<LESE?<N10&4PH1?<GT94U?<?<6A.C6U?<GKX3YN?
1?<Y?<Y?<N?<X?<=<58J7NAXU&59C?<H?<R?<H?<S?<P?<=<52516.731J501 M3?<1C?<=<M+RX=<=<85>2&N8TSF).G4D6Z?<=<DUW4QWIF<=<3H11?<PX<1?<M=<
14M61APG2&A?<M61A?<C&SO?<A.37W1K0?<M&

MS5R+9..M8Q*SGZW USH?+ZY3WU..T.H.L3#@3LHSHKMPHIE+U>S.M.*VLS*HM@8V#.E5:1.2TE.W*6V9KJ.03*OR%<R\$QWJTH#8A* SIN75S.MIK<8FL>@VY7Y#
D6D)E13PVE(10 -9"4<235"8"14?>S!<"SP">..MS3T3BVHHDPP4U#)W3ZDF9DE1<=<5..M6S..JM.361.WM37KZGF4X3N)T.%>D<4 MHF<EHL>+>B<IUD<X">Y+DN7?<
CQXWR)H.16&2MID9HJRS#>ZF4HM2P?1-1-39KRM.9F3H6#B%>Q%715Y<1-1-SJHREER.M0%HB.16.OBV2E.R+AC>JQY>N6GUVHJ3?>1.2..#F.7<V.Y-Y)8F6"FP
M<97FDE4+>GP.#M@8S.D.W61.4.*5X39P-KTJ)DQCL.O#>SX> MIZFE.QIM(LU1H16@>@XINL21(26#@<4EBBDBZB.B.S.H0VF+8#HJDI
M57)YXGA@3246BRHICPTPOYPO21+M*AA.1-2T.FKJ2JUF.45)T(&6..U4OFE1YHJ91%1.1-4*G8TAP(C#38@<0.0.13RY.555%
M6J3*ALITD(Q1CBAB*V=>9.Y35(EH1P.C-6L6.TNZ0&4DEB).3+KDY.NTL>S..M<1#D#1.P*MT3B.J5QVTFE57Y80X11*01723.M>?>123>N<(9X#J.T0&4C4R<E
M<H<3+>619.FD.X)H2W.PDD.4*BBRYOY+5M.1Y3ZOPT.>+55*IG6G1Y1N3>D2>4J009.M.71V4..0G#6QOTT)W0R+3*U<=<4..U.K66D3Y<1SBRZWT6+9G.159>7Z
M.55<90DDQCFU%>N19.H#..Y0E1%KZSJF6E.U.*K>242TF@39B<7>KJ10<6*M<D72S.>T2>19L.GBK.0?>1P..0QNDL1.J@<BEB2F.01P.MW&80(QOBN9SNW84%2R2JSD.
<AH#R7HL1K8#ST.U#=<FTE9A..M#<KDT190.(CIB.CIP> MT/F9S0Q0G<1/5>0141CIN24B>YXL.UO.H9 KBP<M%F%1%QEWB>*KH.5%>B.SR+G-12@8.375
MZ&4*GX#P>EJ3A30=<669.62FEU83JN1/HLE4S2>S..T<C<=<L.O.6.M<D)H0BH=<2V1D4L1V%>D9J9U+M/F+L+3W=<1A293?3>>CX<C\$JFEEI
M57H5E+L+72QIRMX1T+6-DW7%AF.0IGDK&JVMMLRS2.I>C@<?%7P.BMDN1+1.M-D21.YSTLD.M=<4WXPU4FO.OM+YK<3.C1CF>.%JEU.N<M.WZJH9K*H.#>2-64*8.BTA=3
*V2 MYZD40VQIKFYB=4G+T8PM.3.U618@<A>CHM#PIMO?J.CK32P1PG.WBDN)X+>N+ M0LRXNA N>MSEB=>P/OODY1+1%48-19?>.ME.N.6@5\$O.E?>
>L1P.14%6G2TFE2Z>R4143X&CHFT.L#>TR121>W..M+1=3B;H769J.KHKG6SSVY&EUD>QOBDWNYL1(L)X&X9.YM1P(CH2+18.M)M.7Y1=<5UD..M+1.7TE#ETKM<=<7%>NK1<
XUP+Y49.IGDR=1-272TD343 MG6H<1<YX<X7Y178+G(Y=>3JARF9?>JH.OQO<6<KOYV1L>U.SY.Q0=<M..MBOO.NHLK/BYCP.V<648F.W>W1-17P/BZJ>FE32S<4R=>YGZ.
MJS/H0G4 4IR.MR2>9&TVSHM#2SGC.#J1>EXM90&4H6C<HIDIN.MNS<SRXU/50W)HJPG6#)IMJ19.M.#LA.1.L1.*P61Y<5661P1T3Y6Y1>
MY7?70X<=>V#1#<S.DBE0&7<B6F<FR8Y?>M<#<KHDIN.M2S<S\$J@S.M<#<N9.OJQV7V#>LECO.1MNW6U6;H.M71M>1-19.O093NIO#S.Y47B.OBO&TY63H#21+6408
&9.7WS778<1U.M05>R&S>297H1D>7?M?71Y?>07K9>A2.M0213#<1806.LKHBU.C.BU?71>?1R.MG3Z7F.27.MM9H101N4X23+<@3L6.HLXLY(9#M#R32L?>
Y8/BD1P#>?>S1Z14=<1.M+2IG<1C>P.TFIS.D.HV1<VX<3-7S0S2PDT>XJ6W.2&219#0.HL&00VGF1=WIJ.5LW?>QO.Y13.M.9MOKM1M2<3>R=1R.W9.9T5&1
&6Y1.LL74KL#>F.DMD#<T.S1#&6JPAS+L.L.M.DIVN.(S.B.<6T>N>3Y4>U>..5Q1Y1U#<13&9N1618Q&C2.T#191.O4OEMN>1L3HJMY3(A#5>YV88K+EQ>5.0.
/A#<01Y1N.T43>..B4.M.M<ECS&BY+D1=<1621F6JDR&6#L8<4EDN0&0H.U8BD.PN47NU..1#DWT.MU32VZGR71FA@<1@90Y2.3C>>2P1=YDUQU5=<GHP
=<1P<1T9(S1K)UH#.P04.M562BY=<H.7Y.U.61E8R.EK.A1#>9..MFX@0&Q6.G3Y3.45?>O1547M.M=YBV770?FHF25(83?Z<=>NZB&7D1L>SV7>D3HJL2J0:L9V\$XQ\$<6
M8N145<#D18R&FV96XZAI@9H47HIXL5FO&M1&1+>J+CNVRS.1.BXC&M.C15&4B7.B.6X<0#P.7R5P+3B>V4PDP+3T@H&YV+41517FFR7B1<F&K1
MM9L9S<2T2\$<QONL#>2..HAVA=<3&AC.<@OE2J.LM>1@<QMVA4X>XN.MXGX<88-H(20AD1F2Y.U)99X/5.12P55TT#W21A1H1#K6C?P220.1IMX7
MB21=<MU7D(H.YW)<F.QOSRVT)H>QD.WF1&G<1<6.V41U#<5351=JEZNRHIA.M.OH&1.MA(8<#<KNA4A(2FPDB?KDK>..NE5J#M.F0411&ZILKN<C<^N<..&8RJ5?>
MLZIO.SAB&9UY<.<93QB&6.G34BQH>RRC@N9M11.H6JID.#1NGAOL0E90=<M80.AY<S<6M3JFETHRX#ZW&DS.20A24GL1CGG1>>5L5&S3.LQSL15BKPKR
MQO91NSBI1#K.RRM.86.K&5.GHFSR&X&6K76KAV9817G#>10.M1.O1.CEFAJN.M4TS.63&K1?N.R.2D/DO.<+>>@OGV6#8U4.O19(0T=<BH1.
HQO9IR.R"1.IA1=<EZL7&S7N2V.M.JMP>G#7?10P.M@O/2?172HA"Q.6181.CPJP.A51..57G&SD1-B1PT6M8FF.H1SV1>UV.M<QADX>BN9U.MT(N%VU.TADS>*<R@<
B/QOY1+HJH>=<F&C<1&6JGHI.8KX.YU<K6F%91JGHU3>=<25..P#C11@VY%>M1&1%>7D2Y8.ZB=<A.M6M.6RVH<7H7E%EC&U1VZB(SR&KGL#W1/B1@25LV=<3D1T"YO@<
MIOQV19.9.VL.NG4D1FLK62N7F&0.JW@NFS7.KPQR1.Y.24C2.BWJ&S.C.4.01A07.3Z2ZL.M.9103.W.TUA->P1J>HFF&E.OOH?>34C0<1<N1Y>?>Z>10E=Z1Q1@<
M.N<C>>1?>HJ81?>1L>1&A.OH&B.MA25&M.M10PE2F.BT"U.1&1?>6S(OJWZTP=XWG09153#PYHH1T5&6G.MP.S1#EVEJ.HL.YB5X(ZL6M2%>A2IS=K1.WHJ3.5.M1W&=&
RJJ&S.B.S)R5.<1X9XMR5(OYH1F1P2T2K>10XE.UYCU"BP2.D7.M10+6NY=8A1&8W1RY67C&J1.UH1Q2BRCS78+0).BU&C.AV&1NAU.Y916M.M.EVEIE=2KL70.6#4Y=HWA&1.
MS.RKSN=<H.3C=4ULO#@<C.UYBR"9UAQY96T3+\$.7UMB.OQ?E5H1=<81+1)H6.71TYMU.I>P>D1V&#&XL3>1.6>^B2TY.703\$<0.4A2S2\$HVIS?2-(1"IZ.M=RI+FBA.
X9S4U<1KO>OYSA9&..&BWA)@.5..ZWZ9=<19>090+K9R79H.M.7?GP.#C&N06Y.93%#2M(L=1AX#8E&S1C)EG3AP&3J8Y2>...&S72
MH81=<3GTKX80J1HM72>9&..D1.3HGHR#<TV>2HFHJZ>7451>6.MAP6G1F552ZKW<1C&@<12GB@>+DIA1364L2.7451.14A6A2ENSRBM2M6C1M.KPIX0.14<1S*<4C.
/X?=<4F&H&=<OERO#1.BMV=<6.7MM.DB.22GDI*F.M0=<TRIZU21>NU4K.3+>..41&5H8PK41D.6/BH(YV47M&S.WN.G1=<M.LN1>..Q2.9.&DKO46Z0NPN@IZ.
NAK97=<1S0I3.UCHK&CASS.G&7M&lt

HL,-7<RCCG/(F MQRP).8E\$JMM/U+O@+1DVV9#3>0S)H/J4^176^7>.?@#7@NGI^1.FL=CBKM..M.WR7+3JWIK75EO6&#C6FH'65Q"@+RC M90(+1/8_-=\$NP3S/RIKIOI
1PXUHI2QW:9-RV/3.2%@21V/P>PHW^1.V8YV3\$C07H#3> MTHA(MNBA4#=-.7BDN^6G12=-.MY>=>TS+1E5KYV@.FN:1#3IQVH1H#@L
MWTF3.UX58-#D13-10Z.MB082#YICUIG6Y.7>7@M.42C>OSUAFIK".2C\$#SFPX3^V=2W1"E5.M3OYSBZG6A#1V1MQ^ZD)1+K.6-0#MG16HK>9IZ\$G/NW20^8C/^=6D#"
IN.MK2\$G#KVPX.1-8@M2^1#=-.PN+1-75DU^18^32B0#E.Q.O1PBI.M1.7^32M04#*\$.^C.O.POC7E<7H^D.SEH.G^*L1E#1QWQ)GRRV+..MH.YAI_7EDU
42.R8Z(6-7M^W-\$1=W0I9W+?\$7UIN^..I^CQ)JKI-Y.NNE^MOQ^1V7MCX+V7Z\$97^NV=E19M?C8V.886>IJQ9.10LWLIZ/2.#KA4).RJIH.MZ/(>T1Z@C.
YS+DRU^2AXOJ3IL9.5EBY6\$0WK^CMQI@&BV0>1E>#T\$SNKTI.M^16^11.O#1A8(MN1\$54\$B^1CJ2P1+IH>F3A:1Q=*R7Z%EIOP&T^P.4.MV^MFTVDP^H6)JO+V+&09:1
QR416DS^CTE.6K\$E.MXXD)=-8U6JH^X1@/(EMSH2WIH^O<&A+AB.R8O1A8(MN1\$54\$B^1CJ2P1+IH>F3A:1Q=*R7Z%EIOP&T^P.4.MV^MFTVDP^H6)JO+V+&09:1
(P1=105FN.M^CX1E8DQ>C.(^Z1MQN16.^1<1T+1T8CDGG&2W7V&SX.WO62+1^1Q.XE2.M^G&E+3..9IMH9(EIK+M#Z^TI2ZW9.9)YK\$#HU=1)FI(Y^1G^&39%#H.
(6)5A#PIL^52^1(3QI4W)2.^3BEP.MYLM.Z1\$=-FM3Z.M^PC85MD1+Y8.R1.691TG^1DKV16T2/1X6FU95P?>0S96I2X0G+180VM7%1HGF?%KZG&E.U2IK+1#
(IRX^D610)/3E7^(\$C\$J&8^<^+C6+WP?S21@.77HCS7(+19N>3HU1UF5AKZF^MEN7LM>E\$V)^68LL.SO^V:57TR=D@T;LA)VAI5TTV2!11>6)PI1P6%1IAS
MP04H2<=>1Q^LO<=9.90456U1W1NS)Q/-5^N4=1)F7&C52ML/9GQ5-L9.M1Q3Y16AC9M\$.BAU80.R21@/TN^>A=5J.VU.4JHAM&1HHE66@%&X.M5.B>IVXAZI^>^FNTQ.^1I
(HLWG)SA1(G2-1X\$B242M1#..M1JMDUK9^YU.ME1#=-7C1Q08&Q^1Q.TQ6:OLL#16\$.EMG74)H&H6Y2V/-3HEDTB)01+N.M.H^2X2.
AIT(PRI&=K#H.WA340P(31C)1C^HE1172W@B.ZETSX1#^6T.M.128(K1M^M43HJ7T7M21+V1.M.ON^22IGVXGH^KD@0@F3JRC7RIZ\$JAK290&*.M89UD1#@URJ#18<1PBF
M4:PPB.S1+6^6(ITD3Q>2V=8U2V^B/X-1R1AIONW+1#8=VV.Z\$=-^1F^<2>1M.^17@.E.(7VE^DDAH>#>..WI<8AE\$DOC8^*C2F.79YIA<F29IC17^M^1\$
4/16BC%NH10>YD.4.YKXK-MX3-2HOJXE9-6PF7W^K>UCS.M#51E18R5Z1?Y^O.UJX+G^HGEOT1FU+HBW^ID\$^CW\$;0%#A#XM2JP8)ISL^<JM.M@TX4M409>VRMXIGTE;7.Y(5.
C67^HJ&S^1<HXSXPX<^1C^IAG..1Q.M^UJ+8C2D>K^M26PN^MJK^82Y211.1..M2W1H^6P7\$^9U1D:=6^YBI#@10M=1Q.M7#>8L5..\$C416F?SA..F5F^155>%.
JH1+KA<6029\$X&Y<X1M^C.M^U<1G500^12.2.V.MVW(81-2@.V.MJX.004761Q9P9C^K@.0A2.E2R0=4%0@=P+048V0MY25+05WXXW12^1YLS\$7DVNL%&GW&".
MLVIT(1^AVTJ.N^XAD5A60A)3N1TN?2#&N1#..XDM7ZRI+V7D.GY1.M0.2B14W+V.W>#8.ZU\$FV8AOL.CB^AO^4.CU2L\$=-0#S5C+1.1^21=P1.M^DM^111C(^1VHJN-
Y^IN940.1L^<1M..CB=GGEOYU^H2Q>6P.6S60\$AV.MH.IS^WZTH14JUAZ.L=1.Q+5R1K71B)1V&#FE&X0L.D.D.KI^MTL..;
1X2O1VB^KL18YS1R(EF..5=4^L\$#.15Y)QXIE=\$>WWS^T^1/M.>QB3?@E4F=I^/@.22170&DU2+CX1;U#18%ZQ&WU^W4F&M-X@18XPZ-.M0V7IC73KN+J7T)16H1YHJQI-
BD<.&96#14.Q51V4JZB^B05A6)41ZFM.M^1+1Q#YT^..\$N38R7^JM^EB=1..9+<CQ0..1)QDQ8&E09%EXOC.HMP9S4.M(HH\$A<98N5C^7W3128.726WPY+1.CS1L\$UFW@F^
R#1Z.V^H85C9XG^BW7ZCHTY7.ZOJ..EG.M^1&D3@PE.IVQ-1.(1#>1M^00ZOCAP9ZDG4)9FXWC+30^N6AS1.6JMSOT.MZ1^2128.R+HH#<^KPD39OH.V.1AL9+BX^D
M1VQ2NZ.R\$48>HD#_1\$3;@S.F14+@AL%AUJQ@TL@P.66:QOB47#1N)DV/MH16..OKRL535E+E^PG.ZIH.F15)@*4L.M8^9(C.M:8ZEX1^2\$@*03DP1\$^"

G61 MX@@(Z&?9I1#^C-8N(L+1#6UV^IZY;1Q:1B/LT\$#\$P9:2<\$QSW9?2V3)>(FM!
M'NEW%;>)F//J9K"CE1@6I5.HPD_NB1@?OJ_N;U9/SZAC_ZZ_MY^1?G7SYV1=1/IW1^1(E,K'+EA?M>G
M>WK^*IRL2M1VO6%|DLGTZ;H6VJEA17 M56<QV;JGPOM/PS'^BPIY_1^U35S0U73?V4/(-Z?X%T M/MP&ZX+X-
1#ICZ1"/QW7@1HUTVV=-.3F&RVW-3#;Y^1(#OGJW]>B.ZZ1L#^O.MC@TGLT1(-#VY"-JRF&^&.1?251>1L^1A^1M+
1NNRDY/LN^>OZH(79QC=77P5LY^SN7:T7-Z4V5\$S.F^FUC\$H1.L.K(M7FIZOOV3Q..MNR+W/W7181.3JPG
">".12OX=L1Z-1&>..@S32>@0RZT1+ MB_Q45G7V1Q.-C.EC^104WR.UWL/ZA)J&+O>:WTCL(K5)OLGZCP?
_).*00.R3=<6;Z:Q1JK;..=T\$S=OXO1+AS\$H; 7:S6H1-3K.X^<#0^RE@:A10Y#.#Z "MP^1L1 M6.^1D_11
1_ZMY#+\$6V+1/L^5P+(?1^1J7)^@15" 8-5ZO^1M1ZB<=INB MOP>9^1D#F^..@YZ14X+U
9C=Z0X9U7AF5W&#@.FXL.Y@ 5^1Y?P)?!(KP.MZ?U_0_U\$&Y>CPO)1L%G?QT\$70PW(O72JQ)C4A5Q@1O2^V<_41+*?
9T.K.M1_P2ST1<+1_133K03?RT)2%2C%TRPCE;.*#E5&LAO/8+C".9EY#M-(Y/ MY_>-X*=
(1K1G\$.^+1;5@&_J=U4_V_>.PX51+1\$JY.T^GFV.Z2AC#?:QVMS@. MPNIWK0GCFPA/MM;H1.
(7MAY<1W^V1>E9Q3)1#^1=^YJ9.^;."UW1W_Z M51M4KG*B<-SN? OM5R29&=^EQ^4L#.YK1T9GAM;.(?HE?
C25T^S>1VA#^ M63.[R3X#TK0\$R)O66YDC^#16J%WV"/TW7B@3^D6C4A1+1S\$+J7F)?>2OHC1 M2VL^11)?%
2+M^W.WLES^R.Y8\$S=G;91P.(E71E).? -ANZC=RU@1MJ7(<-M4Y)A8GH^1G<<0D#7M4.C&>F=1?PJF0XP?OA\$M2
11>H1Q1Z^CYG1+N1?1=PQ86=FEH1H1Q1W5RQ1K9K0B^W=-J1Y) M\$S27Y01^V^1Z)?
%V@K8/1N1"BUF)+G*8KIN)C)VO.ETOJH:BL_KC7?FHRYG M73G@RN_GF/N.5_-V>O MJXW^Z<IEC1^1.SP;.\$NOP.
(9NNDLI5.M.WR0Y6061^*3^.\$EJ+"4F.ZM%A(151D8M&S:&SQ&&U^NT.^C1\$70N;0/731
MV29.OB%=EB/AT.1\$U)77H)O0QB19B110.1@^HJ1E?S2MZRWY1Z81=>21Z.MIXW2J\$)Z=6JBSIFXRP^C?1
<1Q1T0BW2A=D2<"7Q@F=M3_0Q1J3H9RDGV.M1Q^4(P^q_-^*1_KO.ZF)/^R+1/3.DV6Y5G-1^/R^(<%J<8.MJD1KTA-G
_5/1<1H.S\$1\$YJE50^?O"W=1Z6Y^4.69%_1%P.KU/VO^Y+3 M-2=5/K23&<"D66SBQ%VFRGKM.Z.ST.1%2\$^116Y>.21^2G10
/LF>NL3.-^-(MWQ?1XI^1S^C.FU2ZY.JC\$5(XMB.0_5FZO3M17U.C41\$.\$#\$4PX^9Q9B M6WU.\$>\$_K.D8MPT?
_5D1^11 GQY3L2C/1565161^UY1^(V#5V&P;Q_1V_JL9B4)1QM(>#^1.^%#&\$9.ZU1\$QMH1NRWM/7^OVU=2;
(YC<10A>_1O M#6W1&W15VY6KTMH+H&L63^Q+Z>1;0_3C\$V81U030^*#V1<_OCK3JW.*1
M1:5T%71&%LN)JGT1N^N2&1PSIMC^5J_..938P+=B@G>A9D7Z9ESUWY?FN&1^ M2/B&QQ>D17'NS&U1X9@G+X-
7X9T^#;@ZN#;U>*2GW56>#19R)^1YC^KS\$U.M1.S5^AVTDWI9L0+OW0E?<*.XQW^R\$^<_AT4^+)
1T&1^13&6=LQ<<_BND^+YUV..1Z1-27N1.MZ@.Y26Z16P2)_ =BFUKW<1+ @7<*MFT14D@3?
2/KM31H@#SH/_1^TWIN AY>"AO16=521PID41+N.2? =-7=1(4_-QN"=GW1/I# MX#Q(0.6130DIB?MZ\$Q%(W_OUB1::
+\$EUUT\$A^HZ2D2@LZS6VTO.=UR^L761Q^>&F37(M4W?<1.>1A1.Z^13+UT"?T:4FW^V&G?PU
_WVJN@1^CK1TLK.V&R#>D>&13G&1L3X^L1O+R+DN3V.MZB3#U_8V%1(MALY">??:MY4-
7%M/UFZ(9)^BFE%?15GO>21L/M_1VS^>1">O.
&L14EW;)X32TF@/=EHO6:#D.Z^ ^E=3TITM&#^E:P&1X2L0\$WHM-X.M.HJ?
Q@H(+79CJU/1H5RA605:/MFT4=Z6NVF?KWR1=#FXYE)=\$IGA^"D1^0^ MN2^V^1)?>^1?2QO:EWW1
)H11F&= MVRDQ:OZO1@D(1T.VHGG15E1A7^+ON MP"DG)Q_9IU+C2^Q%!F2X;_SP4G+EZ/K81
(*6<1^1>^*Q1*W1Q\$_K&.QHE1Y-B.M-1=EN.AEVM4U_1YS+8J>LP1BAJZ1=(7\$&=06.F>AORM)X0F^TE:ONOI%MJ2
MOY.\$1X.H&3)G>.>10EY^LD.OO.V>ME61.Y8YB-UJT.V.8F@:<5MNV?M.MNBIM<>E8S-O91FX.S-?
#;5)NB^5V^A:4>:MG1+L.\$@+MN_V^1#NW?O3WO1YW.M1WM21"@EZOMM1G1QNJ?G%OAU@1#1)?>1
+@#0C:K1^XIMO;_V8#^F.EOP9?M_1JZ\$OY1^_Y1&71T>7SY_9OAU^1+>+Y_N1J?O_M2?Q\$1Q^?>1MF91=(SW)2^?
C1G+1.C.O.U15+WD.G.MJUD_9H>.(1EUL.MX-&1SASR.O)CS.MQ8S(V=K^M%/5&1.6+<<3U<61TMR2N1TK_1>5>YD
-@ M2S^*TU9P1)A^1R^Y1HB?1Z2191+^>O&<=DPB;_M\$G.G99Q#0^T&S13PL32MMJFI/H1/Q?
Q170BJY)=>M\$.)EHR^\$(111.MPAD:J/_1(UV^O)F.A+*=1YOF1+1M(NU#1\$1V7W5_PVEF^QK7841EMX_D=11?
MZUO2B;."1J2Z=F-6H?WHX1O1E0N\$1H1+A%PY58Q:M817&0<+2^N@
MY@#HWM1M5G13XDPB3R_2<<&D11/B@.UH1#NKT&1SKK<_11^1GX/R^Z@9
MUF6C119511XVZ;M%1^#550FO/3%>Z24^CO9NJSB11MUPB3OX...V1Y>1ARP>ADO33PL1+*LSGP.10G@Z0/(48%4?
S:93 MW..1#1\$RM8%11T1ESCNU5?M^4J1F1#>1MUF+VJL1F1O)JMI^TD<1)LAG=TY7PS^159>
OBR1D&>2OY1N\$R4N>V1H.8P2^ M^N4M.FCQ1@Y01/RN11+1G11@1<1^#G^&W;_E6Q9D1^1VC1R6_=-1&)F
MB0>0(U9VZLO:H2DN12=1^2DH_UN^MRORAY2<1GG9H.*G<1%1)^*9GQ.MZ4KVYTK3.NBJXPV^#3M+1%ZZFTD-
91F4^T1^1<..F1^95W;MGK^%0P5UMJS:E'-&L1DH="\$=2)\$R1G^FJ1L6&IP^%0.MS1-AJ0R83171\$H2-
Y;4.3F4&Q8L:TJE1F_-P7C%>8>N=17HVOP1?1T1=R.M1H^1_6%WNR%!S@'R'C'B>&SG((5^CL^U.C!@#1A66
_A1LY1Z1H(YE91H.M11AV^C^OBZW@=_01C1JGF:1>U^W.SO/4WQ1Y5H>A9Q:5H.M:3P@."GOZ1YOGM55H;
VLA^*KU9K\$1X15P<36Q.DG11MNZIF6=E<5%W1A1&%8%A>P%VGV.*1<H(4>B8<WV^"Q@21KR0KC1VZ1(M_1-
1C%UUIFWC^O.M<504.^5Y^YOM/11XO1)3+\$.Z\$O.DQ^B)^A8=>8NH1T.D85970#-DBO>VK+ZS.M
>F1%5G=71:=9%9T41+1)JMB1H)Q\$W/1T^1-F3>FVTJ17@1W3R3.1\$MR=6-#5LF#8L7A#3^H6):C\$KW^
81D.U11^1&..(Q/46Z1=P^W#3Q_1%2QCS.M^5B1)9^15;191-H7W64HOY.MVA;4.NKLN"\$3931^TD:EU<A&OJ1+6@?_11
MBO6ZWG+1)2SMZ9Q*01^6XW4M^Y)^13KXG7S..X40\$VO&0?6@AB(->VI>V
MEPSNH@:A4N180G41/3)1^B#!@4U=\$0G1^%DH7#66)2>Q*\$L/#=1KWDRQ%
M^1I=CF/U^1&JX+1.Y%A51%9514>M^1ZTXL1)6G%?DD16RFBT3XXZF^T" HWWTX4_"B2%_B_)0@+D.M.FN;
1Q*=G>1L1=8S\$2352>=#MZ1SO^XM^1G;UAYP.R11JH5APIWIR+(1ND1.M1?_1XSUNA@SWN_AD4-2H&V6=?%C;+J74;
(1\$22T.F@1W=1P0.W6U.CMH.ME1_Q+1LR@"V_K@1GT6Z_71XK;(11A01_1^1EENX3=KV&U:UDH^1^O:G(1+^2
M1U^LN4.R>35Y.FV13HIKV+M7."Z2:48%Z@^D/&\$W@+1G71L@4B^AB@.U;\$(B.M\$FC"G3_5/-KEDH3L)?@D?
D14^COW1&G9=3VNM19K.OCT4U.D1SC9Q^V.W.M.D4M.6D1#^1T^7%_1H@6311JFI
M^EZ7O01C1A:NU#1@ZZZ<5L11+NYORS_1E=XTV1L9X.PV786DK1(2/H3\$1/M+P+M1J1G21;2G\$VJW6(
M^).2;T172Y5MR4IZ)CP-ZN>(M=-1R1+SQB6FIZ=2%AU;>^0.34L22S/RUTCX.MW1_YV7.OS%K.#.13H<_&T6G1^<

1H6;ZKU+ AK/P.>^*?HFY(#O 2P M.CCO:M%3FB;YU99%#EB@0AUE)1H2*32;&NV1>;OD+1%R7L1#/>Y4.0.6@'N2
^V 1HJNKLNO7<<=%:GOI=P3=C\Z. MP2JDL@P5N\$28RC(B8K\$10 _%&#D(O:\$080<6179L%U-"X)lVZ/* Z6@VC3A+R
MBK(L0J)=%^:9"HJL /")XB-&PD@162J]"Y9NOBX;KV^-M1 MH\$FIH+L5BM-I _^-/1HRZ:W@0-.KGU:QKLZ?
MC#1Z"G):U/l/LT04.)O+DA MTJ6HS+8%4G#D9VH(2@XKCM*1L-UDMS8PF@/DI%15C/*AA;R6)=T RZK3I(N
MD)CQ"ELW+GLNL; M'QZIK)OQLES=13;.9(T M _9=#H ^DB.O9;V.1% ^<[*^E2];=#^2=8IE3"=S4)(\$Q.I#<;M-
#M\$3655U MS%669YC%EKOPGF2_AO:1^X OL.S:S?F2)'&'R' Z%+A%9EVU#@80'"HU _#^9 MDID^YICRA IQ9-
/K.A3%6:/P/;^6Xl;>G4MA(-7A36<+5O>%LF6T/BEE>.3 YB>[.FF@_<% M?9#
[R!%GRGT0@A^V"GD6CCI\$>A;4S5D TO_R_4_W;L9+;S:Q-6>M8 HB%OE\VYIS+G@! ML8YQ' T6%>
XXI=GLT7GTV?C@PND<JCD")(>%H>"N<;JIZWEM3EOC4
M8^&#+WSX^ECX<"Q)N)TS.18^O'7APZWQV<:27.0ZQP,+56#PY3;2T6NYG7:5
M*171\$%&#SKR^F2Z,K=^!T)8T35+&LXD9GH9XJO1[*Q" MJS(>O5-S77M)>H^GDXY*("4!;\$.5KB?RH4;%
1;:%&B*FKI-IZ3^0IEJ*UH06DZJ;9TLE&J*HEXN#1/3IB.C-9,B619 %RB)BDJ_6D!ZTJME^3K*%^ ZOI,)#FY8I0<-
ROE,UTN"93I5I M&-3!BD7#HJ3R V>MLO!BOZ9;HVM ^*4!>T5CHW%;00Q2ADX1^@%F^Z2
M6&"O\K%I8I;YN0!;_7 S-O4CH(UF>#2*%:2'19 _;JU9-C B4HH7 M%HY*KL8POER^J7I>F4-^GIC6XG>\$ MC*Y-
DW@=S _J'D6S&XIBSG6F5.G_?0MT-5!7#_IZSWHJ2*L%3R3BSHG" M>GN5V)->V2OZ+I)VNMIXLOQP^%
MG"XYH8@#9Z-01/101I?%6 V"EYXH7U3);-;:-7%;GG1=(Z\$S";1+;O8:1T1;@X1/XU"#Q5 MG25I_?
1^V;8-/2#ST.BB;IA>;U6JD9BX!1).OS:+ZGS3>6@2 MP^J#IO:P%YY*?&_ \$B4WKIS9+X8Q
GEDRS<6(MT*18XFQ=EAW_M6A<<89\$ M@JK+9KS;+>NVRIO(4UPS,E+4QBKK(EMV4PIJ>H8T!YUWHW*
(MPA&E,G0G M_9QJVF)1R%SJ+S)LZ7&Y?&:-)L6;GY")->TGVK FJ,K>62Y?EF!7HSN> M=#M7?&W4;>[(6ORA6-
5LGXW&YK=^E MBP%YJ.822F)ST_62Y7J8UY67E5!6G(H@76L@W#NQ+P\$FK0FF6#++&_(2W+NL9#8K*;3
MABO/O*L# _.)62\$/\$?%)B1'(H\ (DG)KZ1- O?&SBK-%MM ?X_C58^7G0
MJ%QU14^R1Z:2KY@HHJ@DK6W\$KG(CK#6R&RSM!;.;:=&)4%)!NI85D<==P% MO&D9\$-
ZQ^1."SJ*33KY7*^WEI="8@/5&^R?@K>@9MP(CN"DE *Y"XR_7#I MN_AM_1-
/YV#WP(*T5!L(%\$M.K&IKZZ&QKIYQVK_@I#<1F PT/I;.<#F:N%% M%?TY43O>&90T,1(KDI*C42:T06IT)YI(18J+OC/
\$>=I*=I@==NR0?&L_M2(B8ZY2P45V%4ST7Z<)/I /V1LY9YU+D.1\$0DPZ/ZIE;_ TE?;.\$=5(1_6R
MU"@P68O!0W*2&4.UU9 '5'X)J6F_B4K6-W+H2W;V\JC*5TRVW=X,HD_H20
M6^O/>;\$A.O(#+8=TT^A=BEF1UFQ23M&M@0#QK=;P1,IEF>+;LH4Y+JO;L M-!G?
+O(1AP;Y+1/MZ%OUO^#4@PF1>;M+BJXZL153%!(K&"12M6>-N(MUDEH=B(P)I7*<\$@#V9A;/_
L5%VZDW).H@5.22VW4@R?QIA9AP9\$KL6"GQ*UHI'< GL8W/BF3JLIH.P@9L@B2GI/#S,UOX56@W
MRJ31YIW;I:S;3I!%?;FB1;)8E^R!81U=*(SF3%I;I4I(O6MOJ^)>D_#;F:*V
M;QWW@_&Q>BPYR#;66N^>\$Z5U<4M\$;..G(";>.<4.VI;9!08UK MM#U/H6=M MMDW6V0IQ9J,K>;,!*_I
U^9BE*2&&4F#(T5UF:2LV6Q6Q<%I^DTP;(-.4*V M_3N;S!5L8'32J%;G9I8NV3@1C%L;."^F?
6%V/=&T@M!8;/3LX%FDIHJ\$X)A MV^W@|@_0JYC[W2W;.=J%DK;\$ (5BDNHRW%LXY3>X<J)PTZW+&V>G.R-*+0Z
MJL&B!13NI;NL^C!;1 HN_1N>+TC1O6J5'7MI#>"GS?C\$;FP MZOS@Y;8_ZF\$;G2;.4:G\$M<=16';4"E WA?E
@EL4H*%R;1SL;E;+1+RXC M&K05E.E.M\$W3<(L54S!58F5!X2;T\$TFJ;IZX;QLS(MBO;R2.\$1@7I?P\$;)>M4?
6IM#%_-21%\$9GPM(N2MPJGI=?J\$X7T.SB6G0\IT&X;"IUM.X9!_956F
MAI7UI=;;V1%+L*!M;MJ6RHU6C,F_L;BYLL>Q1ZGG'(>%P/R19".JL^TL.L4B&BZ; MU2; 5;(O_ YV+
(K_(TTN44E6*GW))Y;VF8_<N<1;+CJ^H;H+)|\$+WMFY;EIP M_9U51T?F"CCP)XEE^N;
(93IBF6IG3(Y8IO=*XGI#;\$J9MM'8GA\$MW.IZDTGUQ_M0S\$GKFW"4G2M+EK*JGIS2S"RXN?>8G|
5*&3TP9'_;\$/SSR3^?7(L1XX6X M(2ZE*CKI;\$U_6&OZB7>-V-8+70+50G*FD<7EO87CPC#F+NIQ80A;..I@FT.Y
M9\$+;7XQ7)MX=V;BOW.T0+=I%O=3WI M2_-V@IOP.N 0QG93#C@3#AO#>M.)
<0A_LFZ(4QU**3^8556H!QXCIPJP(=;QB;UA;=(F2 T&%KHU!@;\$E+9O.D5^Z%GC0EI\$3/JK#Q>WQNYOB##IJ,\$Y!
A+|JU*UC_-6H!%==(5B0)Q-G. MXUQRS/4BC*DO93H@H(K^)O(C=1_1W(4X;XIO6N68H1@G+@TIFY_(AE<
M.Q3#IM_ E22@&-461Z!IDA%UT=ECIT>=I@F#E(M).UW<(HOXIDR"TB)8DI'N MCDX3Q(Z"-
L;S!IG;PB/N!POPCQXA+OIVA^G"/2XN&?A1HEOER@*?VO^V?MC; M>X987SF1-
\$^1FWS@I+YC7W"5HWSI_HF<^UD%OAXL06S4W5A*@G0V79^!;I ML_I-
_&&BQ9*T(OIT152#P^Z0CWP;IQD%6C!&V'H'DI9_O>N>9)9IMMD?A.G M-UT/-N;6I#BEQU*5B%<+IOIDO_<
(. #&YN:X>Q>HDT_I/'WDH..7KTC;/8 M^W!*=EH;JHN8V=,BZYQ)4#(\$-%2);&FUYF=8;P;QLDR&VTUG."7Q_"=LY&
MJU?42A"04+66&2D!EH7AN29#;.6C<51%)"CXSB97FYJ9L>X"0IS>UR^V?ONQ M=AZ9O>M?8F.R\$?Q,V"NO)T?
\$1'5.1MZQY;E.0?B8YIS)D\$G4PW0R0Y.6H M_2P1-
FJG4L!>"M?)U=K\$&G/^L1.%=QJ9A_3"L.N%^@= _WT8;K;S&UK@DNI- ML&709Y*"
(+ARAFKP1XG^YG!#L@,+B^UC^(<SG;.&?WH%YLUUZ>)GN8E^_PC M6W7G1.CI\$=A;.9R\$L0(4W%SP5PQI\$-
AT,W+%=*1/%^;LBEIM(I"@+1^1\$&I M<9-TBY282LV77;-!EB_4!@B+)|3_4WOYL\$'1+18-G?^LJI=;@P(Ixz*K4+EI M>
"N|+322>;<@XIB<33;3F&3#L7LM;.:0M6XKH/Q?8)4LRH7;+"(D&+94#DZ)Q_3H.?LQ'H+ "
DK<=5XOM?/IOX@J!PIQ.6 MU#H4=%^O9;2;.*Z.X*A61F"#HQ>|A|*1T5'L'PT P\$;HK,K>Y/NRRU)% M#E;I!
(L>K(7403/7/-H.NTO*+TPG"BY#=#8 M/X-""Z1022(*DTZC;I.M1FJ&I#K+FMRZI!(T9ZY*_4"NU!)_W9 M
/04AQGH0B'05;"ZR3(^164U#(-VJXQ\$.0S8QAN97=NN3?(@Q3&B0 M/3L?<
BEM\$ E&^=YRALNSHP+7>YP\$X6U^48P-1E,*!#<#N@;Y2;2M=D1"; M\$P2@G7.6-'8"\$I(=?9>O= <
I9@G4IR#SI#>BZJ|-GKKVB^!J6LG9=2K1=&2B<) M_UZRD3H@0P';ZOE8P(FQAA/CD#OQP-JK)'V(RYU=5'34.6=);Z
JX9\$6*S M^A^JP!A%IX, TM"\$09?5VDEWQU;2<=8N+;5KIO-B4Z;1(1-160D3J6N*4P_ M!5-147C9T
3;);5<(E48;Q5<;CS;AD\$!QKI(&EKP _/FO&ZLK(I(D;"I; MH2B""F%9XFOM0DV3-H)E;00*19@T93HPG;?FDH;IF-
(17GD7PB=JBK0#F! M&)F8RH'Y5R-ZJ<15KEIBAXF'K0)F!R1X3L;P8?SP>9NS-3U(.9AN6+))S">;
MRUZUW/_ O!32%UTC;WA;?C\$3I-*17_# BZ!#J55=JZ5MU960*+@=V?@1WG1DE&0;\$=SD|AJTS1< MM&V=ZS1/?2?
55\$T;S7>%(A(R.L.S M1@KL@1X34"JH0>;#((ZTC)UC')@+US
MB!\$0>39!5=YGEIT0YU4.Z#U9Y^NJBK7+W#3MPA1^MJ^0%Y2;19?IMIBGI2! M&469Vl@V%|+Y&+U;T(IP;E;N-
Q3@X\$\$.L#C|I2@^"-HY6!"ID&KJO2 M!_O)2(0^S8D;M1"0VJ(KJG/X?#'\$8E>I7>@;J I&5*>239TDAF@78+6I9
M!C(I65)))21I?.\$14+OX=J555Q569JX./6AV=UVNUK'WIN3L^!H-W>!WV'GI M5)?MNJVUIE+S
+V0030+>IW/(&%;5J87/@X5_BI!V%IPV'JYC0=BM@!|"I5 M?&Y"l D7P+!XX377(DPKM^87C3T/M/I5\$ _9*Y-
@P^A.YWR'\$L_LPMY0F7T M&%;_@X0>FBO^A%M*^<)*U4(=^4A1V12%?&.)1.^#J\$WCDG08ZTH2BJ-
0@D2@8Z;I@Z\$45PQJ&F.XP_M1^GAL=Q6HSBG;C77-5L=IW7QS#^F5T)J_-N*A!QCD MAM5S:/FU/LTIM!B5B-
%/FZFYO)0".?IZ1#_X8L+ CQ9ZOJ2N+R7!"J"BT@F=)\$S)HDPQ6XD"B01A0CJVE!53(KBB#0:N&WT MTQI163+
(HTMN;5\$HQ*FH;.)DS:E9ICB@#;8!1&YB@P/N(C39B<=0?T5K9I
M!\$;JZ;XX.@F@E0_3NQYM)C)2.B8L6LX F&XF 6ED=2T\$K47;3YTI!"H M'Q5IEFRP5;59T;#9G)3W)EZY.6\$;H?
@!^!>QVB#!(X9)Y77FRD9#F-Z((5L;!!DD+*FCF^""=0 M%HI;GC3V4I%.PP&(IU#0BP20-8\$EUUU
2<0L7IYD!106@)UBM;Y<>M(0_2C1 MW""7%;AYN;)D>#"A-D(>*) _EG+058A\$QL3SUO/Q#H8E9Q@O@B2(YSE*7.?
MEFE0)*DI9FJSPU-/7Q>5;MB!;@2.B&OALL.0SA94"MI#."?;0Q0>\$;IY= MP9X=%7 I2A?R3GNLIS5(Y\$
"V5+PBF9RPCUNB#OA=*#6IC\$75VB5802A+)|3 M;JPPLMSUOYTH;10_1;^HRG/>)1V MHEJD)HXD<
LX"EP/A;Y81VB2C&-W4*L_-R O!;M"IF35;1%/Z7;Y%1&\$ MN^30>)Z_-Y"JQ(V6U SJ*M8TIFK1NJE;S%;_C6GN?

>1QUXZ9 ?R.1T.G01N6<1?3NTJ>K&Z%&?&^84.5IRi&.E=4% M= 81' #9- @ PIG5BB7 : 4.R-1 KJ1' -@1/;>0DF*2-
HU5YCS&3X;K*BD\3 MR7HWC(742 WQ*(O%7\$-.E(C(8H: #96- S\I\W\HZ.G-OI"J0L23; M<<*>J9(E)>&J
<:2RY.OY" C:25AHH .@23& ?LY> ^W^V.4(3E)I2IZOF3F1V M-QJGL<1^K+T6&@VN\$B)D61<2^DD.1/I?
Q.P7IKXAO1JFHKKj\$7MPZ,*9L68= M)JS<1F"C"-GM5FFR*GTAJ^73Q*H11/EL:(L< SFH 6GK0(^5F: M&?%
(I5M)P.7^FQLR#GT+DR: @!&>UO*&YC%BR*B61N6(7ODXW^2(7OGTT"MR3&@VUO;KK6\$
M&0.BZF@C7T@;TC0:N.8*"T6B#<0)I%@D65Q>MVA-N'2G>\$17==0"E@L.ZZG M@O#Z+)52&IE7\$MD<->4(WLIS:L? 4H@FS+9B43=S)2#&&1-: 4IUZX0\@%M M/GOI>3(TC&_O.OBGW)HV5 \$W-
DXD98"W1%""2Y)0S,=>E)39NT9HK7H\4K' M%X8(NRS+I'>L@B6N1^EKH4"D)<8;f8!V2E-(1 %=89*.^ZW
W""L.%6PN=V6(MFL9*ICAE/ MIV8D*-3SW1Q&&!!XHX)17&S@HQ_)L.UPT^/&KQSS5J2V..DY-4N/ VITFD M6?
1R&)DH1 RT8L91(VKU8+W^N.Y.WPKW73=;OPOU>D*0LD0I> MWBZ;KI4\$ ^WVJ@L/>D9=N?13JH"J-
+>#9:1&@DI>,Z6VSA7Q^EC9.Y.Y&A M=JBFHEK8KC5;FB9;SVQ\#41YTBj=B29X6M<=>Q?3D')5*(N\$DPW^P3)LOF:Q
M:1-5OL+A#2\$Q02 FKJJR""7.WYH:QWJ1+1GCF#% ?C1:SYTASKA%B-F*W> ,#1S)P7"(P<#Z>2VX;B.M&@36)H.H2)0-
)M.M.K*N698H:L:151T460.2""[H^0; %>9". \$LL%UJD.R...1V/-O:<(2*11O) MG&C:P#ZWUS"\$0VA#))>K;R(1L(CA:T%-
E2>^#X.G>A7. M^?46X8Q!?.P>#;L+MNX<2.P646U32(A# ^UYIS UJ9Z7H+IG+F>8+23 M#
*AWNJP.5;T%Y!EQEXAE&@' M+*UNM%OF.0 &4 &XJGM6L?:(O1.W3BHO9+@N I9W.;ZX)&!).DIE4R+WC: M**
(4T0F #AJUWX.;?XMEX&K^U9.+M*^G<(O)HJPI\$ 6W%T+R" M.OC#*5*3IZIWO&WK)H%
(LW97U3AJE^9;\$U>* N\I3=>Z)SZI<=D*9F)10 M:LH?D B\!\$PO&(PT.@^0^R9<#/C78B2BL0ITQZ7" _?0H0Y^
\$GV*7M\$ "9 _M>T<.S\W0C%(C6X)A)@>J5>E3UXSR.IV.?3M1"54RL2W"W\+A"=Y%A9OV^NM
MM*Q0Q8C*BH0627\$MXE!@IK02QP7 ^T2/X6YN*UR@=@\AT M2>TY8D*.ZAWSC"=Y)2H-I!&Q \$QP*//3OHER&X
M?POGYB5 A.1.CX21F\IYU9\DTU4. M:66FQXBIN2DA6YCH5VE.X3U%J0?U0PI6 <>(HWJ+T>S .HH8D\T0ZAH_
MR9 L^K\I57_98261\71ZYKX/\$QFX*0?;0 -(MGX9UWRP> , (PLPD#I2%X.&_Q^X.T\$A428Y+O4-YHIS .LW#^HY=1# A
MX@8.M6\$V&6%3W+ , ^<&NY=PA\$ZP@ (4K).IY.P4G 3X85YD#15HK6U6S\TGLMJ M;=@G\$J>+V/F/?
FV"VNH6SPE,LH^I-O% ^0;H5"R2IWP8//K3'I \$05F&OOH M+N\10M" _;5;)*>#RG(RT!4\$=0#T"> _JDBA=N#
@9*L.E9%:5ICP-A>F187 \ISRK0 *(?=Z9=PI^4I R-FR! 7U M0 W*LE1:97@L&4JTM?C6I2F1"7IY
^*RIJ*N72QROJCO)-C8LF9Q"P1Q2Z-MNI^N>\$06G>XBQ=@B-TD^C-
G8*SUA*U2S0.6B%G%HRP@D0H;R%2%)KM\$JA^1\MF61B0.H)H03ZD/L(1)^5Q4H^_
M.*DC3NKC7).C3NKPTE=Y\XKF6_SG8H=(AQO^DPI.V3-74>KYN^LTLXGS;L MJR8>4\$=@J6#RB0G2PP
XNGL+.W@/".L5(Z)H\$XLHES*2F M=S%EK\ UNS.XOQ#;3I@C0EAB;^R MSL\H3T&_4K^JL?Y3%"2INPC\Y\M_%QX,?
EM.0TC(&T6?JN8(K JU>/OEB\$ MW=80J\ !H1?4>.N= &_U/6*- %W)A\NP^TN=8*?DGGX3=,CH@9/MJ2)=U
M3%U2S5L^&V;J D3+I=MK E@V\).S81&V4I#5WH,ES7_RK69P1W8=U/S6N\4IX0\1=*4Y.N/3"YVMDG.JT?
MI>R33*MM.RIG646\4C# +DAM5N3\< "N3_H.CYT"TI2QL5\<.AC08=MK-NHBV2L;(X_M72"?Z2<I^GQ?ODK*IL>
[HSZ"8P" +=+2RI22\YV""N3\ 8= >HP\$|=)#.HO M?T%J32ZM4U@_ ?5O=QEL>2&45C1FK#NLZEXB\Y)H5*8\B-B
M\>2I?@H9&*C7P'\$-E&#D6\DI908;F\H\N"HBB3C^@85#;,>[D^P\$F#D+1A' MPB@2PP>2-;@EC1F&1?
PU\,H(X8@^M7SLP@(<1?9)I,B_-9A^Y7.A&4GV M3RP(f)=Q\$=@RS/FJUTUG(4*+N5XA5@WH@1/.16WNGB6^""Q;
MQO9Z1HP9LU&_TL(=D43)"S?+6A6J\>^CK+1OX1L\?Q>,ZL#ZT04 OE.CA MR#&0N.MGO@1+(&B3C#K.LIUR-
I6LHKG#1%>"I>#TBP+1Y\ C V%_7\$#N1G M0WIVA'16'A&RS%XLU@-G\$AE&G3UH;%G M%&4NKK5%/GI=+/KWX'?
VY'1:&EYVPL5M6>V\$+_ZZ\ DANRW>5(JU&!AVDJ"NR M"1M1B*8J9K5R?' +N@%8J;_0G P-
64%,'18L:7\KFD=5U/8"AKM)#PRI4X;WM MU."U"99/RJLK/#D)-J3L%19(O+M4WY8Z\1)OYL-E&)F>^JB\ 3V"GR\$#
M"Q.5R5.X+H07I6Q(G8)KWYSQ#3H\N0S(LR\1\52;LBMJH(M"7BS*F\D)0:2;_XQZ;(Bj2IG@E+5T\SS7L*RI@
IW"3B\U0%(FK;@A46<5/T1ER.\$J\(>#*J MJ3=S1G;APU-)F\$B65YF/ODUEJAU\$_.^X\HZ.I=1^=6W3(=(G^LB?
3W.3I@YZVTT(E.+Y4J*L).R.D5R* M2W?V;R@UTA_/W%JY\Y^1#O"8:OD100(O;JQ:@*L@MMXMWZ:TU6AN\YJES;R\I
MU@)K\+I)P(P(U>?"571Y\EC@MG\XG\H2-W65N#A&P\%=>PJMPXU\Y)BW\ MA\$4?8=\$?Y\<8=^WAD4?#1>??
CC^12%#E..#4*Q8"RBBR;2\$O*J'W*JJE M?6XM\$)J*Q>74I#&1<=>X\0T\4V6777J%5\$:"X4*=PQ;JL\40S\K\5V#QB
MT AXJ\+S\SVT7W41?OVAQ0:= -1T2U/H91OVK)HA=EYY=KCV/. *3'A% *A M%O-BHH-6A:QQX-"W+Y;UJY-
>\$.)KG_Q'Z0V\El=D-%M?;&G>N@UJ4I"S@ MG.'A_ ^!R5DE@Z;2YQ;27(3!"#W#9=:L:900EROA>K\ LW>-
Y\CAE(U2>Y%HI0AK>Z-VA*4&OP*QZWS&QS>'@M0Q% 2B8^J MCH1N2DPE= &W6@HJD H"C<\$J*.5L%EZ="*X-FT
+EP(2\+ PM#EEBRX1IG MT@%\PYATD2+T(L@F\5 MR4S">@D1#LW4>=W""\$4FJ/BFA(3S"US4P%5T?
>=*L.F3>W.XIXNGF/QUI%# M #>Z(HS@G8+7+XJ=WNLHW_9.A\YDEHZ+Y08@JQYDG,*DX5B\$.T7WX-
S@29QE\$6T?)A6EK6;8\OU MXF_53=A X^1)5N7Q;HJO"SFMD17230.M\J^NCOX.O\@Y\^R"?=5\56D46BL
M*3TAH4HB3>=>UX.BW 2PA(6%GI= D@SQFK\U%*U-4I9O@Z\3D7HW@HJ M=YQPEX@&^&H@>HO@I
(S\$+TN5\$3(J7'QIQV3NU2":>BH67EN.*ZK06GJW W?UY7P+J*T2?J-6F6\JKN MOK\$4784HG^9?
0(\OPV:I^ ^ZNL4Z^K;GAN^ <#P-%S*Z/\$)5ZH0B5DL.B MZ+P*OY\$IK\3.J4@+1?Z.CQP*={#I?HFZ?P8G.)@B%
(L%_5\$C!\$A1Q4(1S2 MY"7 ^0P T8'6/H8_ HJX7Y-U6@X%X\H(#+;K=(2D+5A'7BN'8.WG_.1#ST^
M9E6QQI#P8U=MF(J8M9.5I=0+^'G(DT1*IO6.;(+ _8S+TQ<L9T2#?P.P> M 6B \$TH\$WWK&;T'VKG)F_?
=G0C+2'.BBM. =5AA\W8C?BJ1@AQV%JE?&)(0
MFVP6O0X\Y\%DT#T;Y4Q#5#J4))J0\$8*N\)#>J5P\4Z#C7I(E)K\A#&*I M@1-1X:O\<4@@_6BLD MO>B9JTMEX#-
ZH3WW6-U&11N'H3 HD(Z^C?) +_9XD?7"PLEFVS="+T.622 M #F*!CRSR=)R\;K"1Y% T6HHABIRLP<
\$&R@FLZ;1P2GBPPHA0\WHC>!W MH-23R>A\I@DRNEWN%XIX&=3>E6)%CS%Z2\$=7<3J&R
M0Y0\9^@W@W7@L^OUP-@.8INP=+*+;N&J7V;BQ8,@EN"1?2.M".TA# MXUMF*V3CY>#K-G)8:@:
<1A^J(9L+J89)XB\UBB3WL>B4NCOQZMF"U+M M9CW09\H6=W\$LFU@7?V=-PVX.#\NFK"V2GQB(+%<:-
*N4%"81/^SZ<+)(6IP_/R\$3\04@5/T MNOBKL;6 M0MFI9=VP^XK;_<1&+ +PN18\X\G^_1&Z=0KUM)8U"EJ&("0
M%U\H5"12>MZX: ^6 MY;K#P.E\BZL ^+HX&N'H(=-Z<@&U#_ \K\H.HC.4*!P9\0U\HDC?7\$1 R9=K MZQ
W*+%@"K\=#C\W-!O\H) E80MJ*#93+3Q>+JH*O5\3>NA-# 3\=/%. M:1W)8\=09\#1>4/*@F.E74#30YU\4-
E:L'*.8V.WB2(S#PB M.S_-SDB.S\JPM\HHR\JKA3;T8*3>U+R\PSRFR.\$:%OA6+(9W'6V3*QE01C MOD+LOH-F1@W\I
'?PBQ#SH^H(@FM2KIW)?N7N'D%=>N\JPU2HTB"P=O*NK> M^3#XQ?K\$U.%TH4?2>WFJN?RA"(M-T@16-
WV.06;8Y;5X27\$0DUV7IW%I MYH@CFW RRJY(2-IPU<&Q^C>Q'L.B0>5>FH*KJT="Y\N#BO\U-@7^8&5H
M\+84"M/(L19HWX7E14%!-@;OEXV9#W073X>XZ:071M38AK>D@K%*7FZ+(FZ MAH&B<&Z K\PIFC?L-!<
[*4E;14EM+184P25.AC 5((Q?864X!;MXM\A. 8O M8SWDM\EK' 73X_%;<[HJ@\$*U7/2Y)&.+ZD-
;RAA\$YI\$J'6+"10Y4OR.GX MY<@S1SXWV;==WP(#B=3*=4T%)Z#*P%UUT=H(D2X\QJCLUTL0B0K?").J8C)
ML#37Y4H/L3Y*6IP1FN\ MJGP/7XA.VU%W5R9/17*9E.K\$=-VHT)%Y.D;).O\$0A\V\GVU M\<\$7M\7L2PK4WB3\$
R>IY"B\H35O2@H/F6\D?<1F.*EN4-B0HGS@P*I>SV1BH M.+D#(6;D@'"^4F/R7JO8OYD+1O2.Y2\$6JH\$-?ZT5 YP3I?
1TL54T^HO@2 MB86>C\0EAW9(15_J/R9*58K+@Z^GM(RA)MJO.I6;1@#V;3\XUGVW4XXZZ\< MGHAN\$8_-B
EY;CR\TSXOF=-NSH3T)B\CA\GU'BZF\").K)2?+>S%Q452\<M
VY\O"252ZW\D9:"ANJ22T:@SK DO4@:3'BTA;2.KXINLK%B08R*=-X&8S MPXB#<(5>GA.ML2
6_9DSGGA2.G"N2BQT(F<5X>R^W4XS<*;H>Y*NL315% MIWE T6OZ@ NA)NR9%T\N\NI@!
[S@U7LYQ9IV3E5\ZCEMTD4B M.%\+Z RT\IV8P+*C\3D6<@^C=<Q"DN(SE>ZY-">>4#HTMVZ9^T(FU_V,@U M6.
I&1+WI\$?023.OM9K\$"ES1N_)SE*ZD9*"I">@Q7L4A;1-JY)182>"N(D.1 MD#7%?CH2I%&_ M8IHS>D2U&?<
S)L(%)ZFY^@)_((%H*G\SB8\A.84"FFF2)6.UIN7\HA5Z1JN.SBX_74.GBVJE@P.NG5ED?J9E15\$'20<"K&L_/TL

MK^OG3.4.YI9I3"^(Z2-NSI\$.1#EMJR-O+GI>^>)"RI.X6".3R3-F2N>\$K".TWD+TY!0Z4<<*1S7+"BIVX.63GPB13VFB*
M? IT9IXZ(SJ*Q*F)I%#9I> .IK5#)DC1.Q!MP"2H97XQ*."T) L2SU.+B1 M6 Q75.ZC!R3&E FH63AP1)DJP#H6*K>
<<.D5M.4I+:+.9L_O! C2VJP?-K4F%U5 MVDD%3JP>13/'&^*Y5LA(XMU+Q:>"/RDAQ_?+B_6E1P!<3?
24"WJZ0S/2^WN=WW<24KOP?+T_3912_ZX9&Z\$D1#K-
M9/I%6W)4SE.FZ.#T*+=H:4"RINE"1^#3\$DE4*)+^&6%2UTR1F9)W.F6J&-
M=*^IEV"2/I!TX:U(D252&RZ/8L4)-88^2)>8-FY3:BXE.BG'## MQ SU;L<_BX+'B<\$02>231YT"EM<(\$+92U#8
WX.)S6!4/W:E8VT;RRI"*6EZN3(BR5M*8T,>GEA MI=;4);J&I8G<>UT<7JB"Z\$K!;E!C#JEVQU-#%T_#5
U2\$!E35)6HJ5QN MIR*G8(7U77N+&=D@1:S;OLF'.9_-## MJ:5_4 JK:T^0S2P-\$!UKW!;4!")D"+>@ZL?(>(+UY!
#VY6SX5!8UU"K8LS MBRA(Z OXIV_"P!;S)4.9<98YLI:"3_740N M6ZT-NK>2KJP!L8H0ZX!OUT/SA+R3\$-
=XIJ%RKV7@E.H...2)/2M<#2 MWPAE5W#!&B9X1NXW>_E-UT-K_6VDNC5P=)CA!_)58OK^_/P/ALM-! ZIDD"
M6&E!FT=*1)P7-2RU)"1^>Q>HL<@4P6.%9A+20M5BPVQ@XF)LDX?Q#6^Z%3 M71+MEM+*!T.9,%?
Y_4#XR+EOK=G&X)0\$Z1>758M(1^6IYE%)YPC>VI=BU1WM(L19S^"?"PHYK&62#(YMY%"/BHQ%)
LSE9(B%NEI\$<("P++&.48;+CQ# M""?(\$M6F-@!-MLOX75^H0-8J5?C\96+72P4+AZFZ(A&4MO75X-%"!@>\$E
M4;^S6TE_..5IL&?UXJ)FA!V+2B^O:C\$9X2501ZB/3
MA+"6LIWBD@(W"J8Z612K%RYN+S0*!)^)!H0\$:S9(!H0D*N13#*DD(#59\$\$_MU>!(P'=-_
\$!GL7H:M6!""7>PRK^JAR.LQIV3=%TTN#G""70OP6QE\$=-U"J M!_2XDB4B0T6K!M%#H7%4*XXKJ5;23KJ;31/-
A?!.142^P9LCD)PX5IZO3C1 M!XAJV%:8Z*P_=/TZ1JLM5R<;2.=T74XW!_2%2>4% O8 ME\J!"\$!BTZ-
R^#!"%*KC!A!BRB"S@GL^VP!PQ%4I77==Z!0VZW(Y JFL1 MLD!I>_.1N?IYVM-9#J(#C23CZ\$A7N;4-
P'2AGN*G;3!7&LS70AK5V3(2J M+H#""Z3E21J0!^B6!B@4.S!U<)RY^<O/XF>7&WI2Q\$;_"_!
I=1ZL(\$GS\$05W_8&HAK*9)J74B_#H! MIMQ32J!"*B#1_..4JNY;LFG+SJM&"9NCB!<_"A*P;J^U>R!GBY>2CS(ME";
(N7#CJW*E@J%(\$XAXKI.YIYPSI/MEZV=IU^LJ!E!/_MT-8;)UW4H M:^^?U_XS3%%7-7R! RWYHDKB/&I&.^6^4R-0_<_<C4F.XB+FO">M4KAO+' M4#K=1CJ0D=@W8=;JT&V0;OKCHRVV!\$!?)L=\$ (NB MGM\$*ZJB;YQZ" U.OUT-Z
ME>8VV4>FE47P60L229I&5YFD)5Z;?1^RJ^#V3#"MD@XJ9 MM)-F7R.(U!L%:B,%V!9;@UWB8@+AJNX;?
Z7U_*3A&&=0^N&IOYU5^W>Y2 MI\$K5T5.PW!0L!U6&"!FB?PNR?2VD;ZS)++ZKQ7R0"Z4E!JPG* < M;J-QL!\$/+OM*
*3P\$22!J(Q20L/(E*9B(X 0GH2WU6HRJ&0G6D@H;R<0@-MSKZV&/_P!16%)0=;_!DC/^/"G1KM"&
=Q_-8MI*7R!QJQ^N^NP0!SV5'J>J M=X6!U!&K%-2".8A00O"H^<(/Q9Y0!D/6.L+JA+WJ2X!;.*FV99!G3 M1(-
K>F9M7Q!G+15^H*X!5%&!Q5_K!^EDI9;/2HMF&9X!;RDV8&TM%
MML2^J<2U'HP5SZW6U!K#8K#_BCRDIAZN).+!L) +>MM1TE2>6P;12+Z)2 M*8,2UG4;"0W#-H+GK32T;5,G^YB!8!
(/&ITB>DQ IU>_!6UM&X3!8!M%E=A M>V.\$J@Y**Y&H?YC^4#3S?V(00:4=|= < @C48*&" P8=@W_*.=
M+EY(<+OH0&:Z%!.7S;.'3:YA8^OK+DNLW ZY_7FO9M60SMTFN^H%@D=31G MF;-^M?
FE@F(2#MXLEJ4^ZC@X32%)GMQNYWCG)X6.9:0CIQYX%*2@#Y1*<8-MJ07M>IPK\$(4 MK^AJ+D?EQ@35!141U7-
\$!7R<;W)\$!2P\$5_ 'X@!I?IF\$L-1U+K!WBDB"<_!MXBP#?DJA#L5!\$3(!!2E.<>5PKJ%.C@D2'LKH)+9#95;_@&%
_RWX73DM!HG GO.DI4! W(>W4KP(#@!S!_Y"P@7W MRP:4OZ5J NN2_7URV2^8C>=X>Y5J@.M6"GM-
+F!CS^N**K;_&!&L: MRH;"W?2=7ARIRML7I0BM^"!U0A7H!\$#.6.?;WLG0*U<.S%/5+*A_4J^
M%JKLKKDF+LSZ!6?EK)H'.?)<3PK_?2TQ*6LIR3MJ7M55U_8CJZ+Y&XJ/GLH.B
M;+Z%>;OM@RKEH!P28.RA+36R2.P0-RPW%DG-
'IXPT2!M1KL@&+S&5.'*2_P@8!8C773=-1T>+7KB;&JK9)*39@Z M"@.I!&A*>+Q!>+\$2/=BK7;.EG-.IY33\$B
="27&_WM&J.U=WJ!E!%.MD.X: M%Y0N"IO2*RA!"QUS6HI4#M\$@NDHKS3C/Q\$A-^)W.RIM(9_#N14!6F
M%a!2;"#>@O%88G!5N5.A.BFF09G8!FG%GS_!\$73'W;KG9CMU!_ MU.DZTL=A7RK"5;40LUQZ_*(F)86+;_<
(K!XM0)P8(>)*3V*V;MQ&B;+!>"Q);%("\$X@CD@KH"G;UF N?7=!?>X.F<08Y.N^)+U' M=.M.I2I8!>RC,3DS?
6(0;7CH)N#E=<=7#;ZX)4S**MJ^!_"_T\$X;_+A3 M(NZ+%=%!M8JHM4S26P2+?)SROD12!Q0CCVFZL51A53;B1:T5
UD-\$7!44 MW)Q9OA!A&)"_EX*Q7H!H!_4>T;IVERV8;IH3BZ2E6E8%7J;_*D0\$;_<M>P0;4J#E..
!M#N:++LR\$PZ!U4!DO)"_00%2 TX!2!"9\$> (MGC\$+!N& M/K\$YRQ@!MLPFNO;HDN@!R#5;S6;_!PYS!0A;!PHHYC?
&RDT&) M=6!O'3L3A<=;!#!#&=[7?;'!1/PGTY0!7B MF5!9-#4_<\$JDV!K5;@1_!\$!+|=0
MT5U*F3TP/C+!A8NSY)T9)\$WGX9B!MS7(#UUQ5!5WJN!BAI!%!(C.YCF44E9 M_2&ME"H#HS-(!6!5!6(!>U/6@?
R!+N!>N#_#;K*149*W_.89C\$-A.1P<L_M'%'#50_'S<%5)R31MMM9KR/ Z5!_EDAD"@2;&J6;%)MH2R"/*! M^T6A-?4F1-
K#56QD28CO4H;(^!OH7!S^!A.E\$>(R#NX.(U-VT2Y)6HIRX.# MV1A'M&7 TY0DY Q*(YLG=I/\$'H@X>O+K%?
Z"=C>Z-N!>_BQP"GP 6PD MJ=%<91(-)B!#/<\$ATG)"S!GNA.YAV1*W&\$!2U!E!X?F>!6/EA\$^YL* M-R:T(KXG+/-?
N7U(.3WRMC"75U8H J 0?0<6-(CGY*U@('E)DN6DC8^02NX M%G!O.T8\$W;U\$QMU\$?)1@G'P7JVG3S!&W=#)U!E
M!SD<*AY3OG4*3VYUX@P8G*5Y!^6DTJFW5%>I.Q?Q-QOHX&"6EBR!H-XEQ!<RW7+Y)5 MSM\$21L!CSO^BH96/W-
:Z;^IN!+BI !TRQ!GJ3N81\$)P!_T2:0^78*Y5Q"D M^!E-P@'(N\$2.W00V*TKWUHQ;*BGKH/_SC GYB6C= KXJE
2A+.=WI7!IGB- MHZD\$L@>QJ48B!_'6&\$ZJ!Y.X68Q"W0JMNWC!9;HE-6Q7R5!F/_FFQ>.' MT^!C#+;?;!CU;_<
@8NF+?;33=-1W%_9A!EMK\$A"J-" M!UH!KWA+NZU9KDK!0=5SQ7=\$;&QU!O2\$%K';CH_GEH_L78#N2
M1^=M56T7PNEF.@X!+&V4_+5B<2I-9VS8!K2B(M+_.M2<@9_/\$G0&Y3!H 2QY3EG;"CG&;=90%4Y@21,H=*M
8@&T<:ZZ34<@_7 X MB!LBZ8H.OT.I/(9)1@GKX!8IZ.F*>ATV.F*=C!DH^X3!F56W\$<@N^89) M.^*ZS\$G"15_!A-
H7VADM.RV;%N=R3'=PKHL6!R!J!O_.!5+PS!S!H/_ MCARQ12 N3GD_)FZCHJN!K\$3B7!0*JA_&&OR^
M8N"4RZ:PJ*_ WYK0&(XEX4>j0;_>UDG)=4=L^<75)>^N#4!U!K!3W9KA0TYA3=M7(NQ)-6Y1W\$C4?
D=04CGU.AZX!N2P8FH!U OPZ;WYRD5B6QL\$9BW&;!C8J M!_&Z!(@ 0=<X.WTE=\$(!AZY*DO:B3WE1C7QA5!?
\$KUZ7UQT+<*P6S+%%Q7" M;!--M5*30(#;^1H(Z;4%.1M/53;R TK.(+K5+ZR7YE!CMD!9-Z.F!7/OB:8
M')+;7H=??""8"==E&_&-C%WFNX"5CZ-<"=L/O3W2,V2%K;7 MQW"!2D^#);7?
G9;Q&F79_G^AZ49/Y*ZRWO NUJ(-2.T!7L3)OGJB!&6
M4"IV'Q7XJE7*YH^+U&K4:K=XY<652=8XRE@X3G=IX\$02)3-RMM;ZY+"A8*(0
MZ*)/6QGGDLUCTPU&KSQ<_68E!3C20_P!9=Y<&7Z;\$_CV.G?_"VCPC;L;MN3P
M47!;K!4<2J=U(O_.30&"M+L\$^X2_Q@J;5Y'9?46!OKD^+!;QH.8(KXWC*
MP9>LF%MZ8!27KDHH)PN_G^UHI6W!41.U*%+COMU6Z9&#&ROH!O5!H8 M;LAJZ9!/=JSJAQ24?Y%&Y-J6.
!\$IFA;7(Y>JY@;1FJF4@UTY!^OP3!Q+ M26Z&G!2>P(MX5!459K",D*<9A/%R!R
M+3M<*VD\$EL<3*C"944\$Q(<4@MR40+_1ZZ^ZW<5(8%JL@HL6!QV74K\$!V3 T8P>7D)9L;_V;%G?
HFI10BEX(!56L!SN.#_B< M!V0#)87W34@X4JD12!WDG96L)Q>;TBO)5"!19R.!JK4Q&!)!*&F;!QLU/N%B
MP&?;C#@32!@MEK0K.V"!M!OT=;&46C%MDX2UMNGJNL*N2C;MT#2@IX^_SF MA"4E9SS"?R6L_-
AC\$>6K3/V^!LXH\$QG#P.95;KG70N-F&!49=18^S6DNRYH!EF^SSA->JE9_ MA6Z!HA&2LR9M&=!AIN8G^F-
!M(1)W"F9=1^0"8!(N^*U?;4)Y)NQ%*R;W!6-X)NPLAK^+5%XV*W M%>R5^8U?Z(7;M)CB!COKWFAA0=0*PW
GF)AUT>YXW9#)5L9\$UV?*=2=EG4UF;BR;IB UF7!&)Y M8L"XN#>Z;#IC+ (^UW_#O_&?
5XK03UZ>+;44Y CT#G/G*DI7!A#)*M MORS;^E^<YX/B:LX&MIRCH>)#^&WZ)2?R!!WSKE!<4&ZGU_L(ZO
M>T8=T@VP-Y<&>\$FT@9A"YBBE")/T1? G;JCK1Z4.TOX.HRZE_!3W/F"M.N!
M#@*UVR1PUC3FS"-57('K3ORB"HLDGNUT!4Q@M-F22OY=-^74'M9PJJD>60QA6 M73L^<^9UAGN\$.)
!Z@H22+#ZU+RZ%9"M&8U&>EQWZ#8Y8!;?1S.=I?4G0 MJ!P9_?XZT-0%)5GI#!BSAV;_Z@('T*FOY!DK'Z3\$YZF?
R6-H8>1R21 M1Q+!H8@D.B*)/XW.2*)/CTD\$7&ET9XJ0\$3V0D<4;.6C<4+ZGKS#;6%;N8Z
M\$!Y@<8=WFB;9*Z*NB9.4R61N TJ_\$G:O'VW-47ZF!8?T!Q&PK&>IHRZ7OD> M8_)(G) D66)9#V.N#W\$

9T3HP90KL\^QL(,%=%^CQ)/?W%/GZD0::!L@L#+=+ M5HUYZ:O50D&Y2MV1:~H(>SUI1^~3830T+Z9/Y@
%7E%":!R2:\$VA\$114<@HP MC8'F'H>_4=PEHYW"/-R@.G)&/ZHRL>I4:,VfYQG(.4VLX\$S!<<=>*%9',7(?
M:ZJA@:_DL>1@ \$K:?!A=2= 62:S>F0)(3LLE\$&)(f& \$R#KI?RW2%Y!D2DP9 M0+B)0fT0D97~*?
VC\$EYJf5M#ND1"WL97J17!<6#69:~4U-6P>/S9X!_AFM.8%KX!<=H(S;<=&:T* Y&P7H"UE 9.6 MX^JX,Z,QC
+H2B,@f*MD!LR^_?D#YG+~YD03YH?PYR9?OG^&31U_!9E-, M/92/OSSH0GFTN%ZfDfN9=>PG#%G/-
M:\$^_6<%,XF,CFW\$V=K+JHM57P!~ MBP?6!D:~P0G)=U5^)(IKX,OD%06AMf/LZ^~R,BWNV&HF00fNfHM//fE7X(N"?
U"JMKF4SLfAE7K29!5L*Y67JfZ\$K@ MAY:KfTA5>^RH@F+9J0?N9DGfABX+UB7:9@fT:51ZC&DP, ARQ5*FKCOfLM
M(6,AV18 R5K@~BFTfZfA(f.C)&~SLTMS6Z7)<~+ NxfBX MHS<f@K#Z+9:WRZ,*@PK00;*XTJ_?IG,TU'+Y0'H5L
0E_Q~R8A.0R?~92\$ M*4fT7?9_K+8HD"V@7CCSURT.6f (GE2R~)H251R0 HH8UY;P2PM>7+|X1 MAK0f(@%90-
O5EfUB9<<f&O(DIC)AAG&=f~SE*HU;0K;>:3Sf*9(^~+Bj?MU5
Mf:2>_N_?f(T)8NN!:"f01H.*P1)'Cf9LMM"Z92fSK0D#@OfXXMf:PQXZ38=
MY\$0+~#1@^f"ZTOMN*P34"~DVE7P3H17D>1! 6\$)W<f<2SV_8M>+NO&N%"\$ M2;E*LXW"!?
CK+D"Jf7#fL_!\$MDf6#U3fNOX0?NC5Y11RMNAHW M77@29%28*~40HfQ=Z(fKW?
#A1AD:G=6Tf7;08fDKE*1PL2+WE0;"L@A\$(f9f M'4W%;V J4#;D?&fD-U7VW+L:Rf+A Bf10f@ P1f@P\$,QV2/C>Yf
NSRG9PE MBHH982.J5f:#-9"KV,9C-YOS/Z*/C6OE5UJ:8N"=*,~3A\$+f|XHV*&9fFU7 MMfR@JG?UJ
TR>Y>S\$ZX^M2P380YN3.N1Bf1f&YPK%><_?HOGU=49/K+~#_U M,U84:30f5N0CDBP4.@*MS*VJ8=67%Jf'(?
fJ25N/KfE164K\$RV5")A.5=ftG MI +9.4>?6f.F4SUf(> A6%_1%Y*~;MSNfJGKUf H:XfJfDW%26UU.?
8f/P/M,8W%CHfK \$=_O'Hf*\$WA% XCL7L! FTU2MfE/VKUM%U5^B_~50 MKUZ(5H42(0-H9(R%*~\$S246
\$~\$fOFADWP,fYPOJZfLM^AS@P5CVfUfNUM%82(f M\$R:fJKf= 20P#~K6>~#1N-6fJGZfQfJ;@K(f~f*\$ZGYVX3fMW-
C9<,.06 M?>VSQ5fT=L1fL;_&~R1%;?~*#K-f7CK?<~6%POf*SYVPCMf7>4@ \$ R=ACB0. M\$EIf CCTB BfY?
Q%:f7/>_>+5ZKBNG@f7BY fLf%U^32QWBGZ=Uf f:8_5P@fD=>E@ROAfU5^BfJ0#fJ26WVf^XfD47f47M70\$S3_D
M_~C;#?9ZF%~6QU*)~6A1@VCG-V5+Z M?>,70X_~:~Yf0^#2;_fJ2M44X/f2ALT3'H8+f.FUfOH.4Y;~P!f!OTGE-Tf
Mf'%^1>Q'?f5;~0ZJZYf2(fJ_4A5B DX.OBO3U:R>J05H2H_=Zf!1W4\$N&\$fW6&fVA*6U;_;"&~\$BH_7fY7"0_@3f>\$TK-
M*2fLWSfEfTf"~\$VQ*fPIXQ.9V=GYWM>4;>~53V9N*%Y*6&Z+X52.D'KfJQ-M&f/'~2N'8 (6S/XGf>622GH:T2Q.
(\$2f6*098CQSWF5'~/fTG.O=C?>=CR MNM?RQCfA\$O>/>9>EN.F0Z8WAB#7EL4VZ&<@<_L-Z0.f1,2,^WU>4^2.6E\$.B
M\$ZRYES(4S+<+6Uf1f MC\$)G%(046P):7EfB'fR',FM <~*L#~B:3AGDO!=N M1NM
N/Z^EYH&~Y(RHYH3f)=JA:#~FF5 A2:AB5fWf"GD^4%9\$5f?:(~\$ M7_f5+~fMA:~+~OIK(#A9ZECY
M_@f'U\$VA>~;~2"7fHK9CF>~<(MMB~VGYDKYZf~\$XDPI(fOA=-GQf+8~?3 M46fJ W~VX6S>f?N)0B=
P9DYf1(\$AZO>L2\$CYW7fQR 7<^LM.&=;)ZfOMB;Z' M\$4R<@3 U(VHS\$B848=821=ZN-
XE:C+%fIV=%D3RQD+&&)MU.ZK&*Sf2Z0?0. MU)Y(#3;R&L)6fJ0;(YD35C&fZ@R9RfLB6EYK,f2VUW=6^4F?
0_P1>Q8'& Mf M)fH=HS4:0N_WXU77f1^V_2KARZf)+H984V>H=,~L3=2KPY',CV0%0R&RP@
M24BPI3"1fY&GC&f13(6K3X(NfQfCDM0fKMMf5V%YEFZfZNO:EZVZ.M*YHfV+<M^~2RH#X-6T90S-
~N=UV5.>5,8=B=YQf2^5SF%~57fL:XIU>?5f!&L^fY36/M? Mf:8R6fQ+9?~.UQ.*NY7TBX..LfYfN9%TSLKf@NVWf=E?
~#18~R2~Mf1O3 Mf4Y(W9Bf&~76f1Q50UMKRK4YHEfP9;Nf4D<~%E7M0f2,D-U)XA><622*~J4%=XQFWL,8fNT/U<&
MfL'G_1MRQ0f14,\$~3650%+~\$VfFOfJGA3MTfEKfE"1CEH"~ "V4HSN3HHfC7 Mf6>
fC% S2;W^fNAA_QRFZ>T>3,~#8>MYAXB08U9ZP~*E>SYCLOf7f"~P!~@D+I3WD+NfJNM75<^4H1MfWN7U5fR86E-Z
M^CT3fA?5WfL6T2f>3)fH-C4#S.#;P M~R=8X"Y\$GfMfNRS*~@PGLfV;H)(~5M0ND;VGfRWRJE(#7'5^U@LT?/=F;fK
Mf:f=K_5MfKR3X7=N1XfZfL)GHV%~.XR@;_f?%QVB%+@f(9fVf1.2,VUfEYRB
M*~6GDC>9Q7YDfTSN0fLUC8fZA6QZfZfD6f17fSK5M08fIKT"(9fAMf((f&f7772MNHE8+7(N52U=\$.L=?
fM_0fAP>~8%Y^5fM/C?~AA*H4%*(H9BM2XfKUO-W/^4f~611*2B>~6>A)ZfZfT'3ASEX7U%fHZE
M5*~%RF9D.E3GE\$ZGDVCG4YNY;3XC<~.#RfFfHfO30WfLS.5K+8f;_Z"!~M6C?J6~*#~\$P;f-
2CNGD(4>Q0Sf2f1C&Z7~\$C8+VNAf4^Mf<0<~DJAX,S&B M&~&U:RGf~SWNfE5:O(MfL.B^TKDfS>f6 B&K
@E>E8%Nf=TV^3Q2f1XfJ50 M'\$~;57BR=6_LfT8C=%?RG67+*~ZZf="@A9&~A4:874fJ2F=fp;~A*~B.B
MLL,AH9D'2?5FX>Zf82RfPIfN YEXfLH&-Wf1.9PQfF~.MT.60">Y2Uf@;2M_0 M3Zf#fV7f!&FN_)Q@
0%IUN9V9XU,DfN1DK'A4f1fT/O)Y#N:X(SKRRI&XR:H(T MNMB_#/*8'L?
@A\$If^@PTDM66U""UJ6V0Zf367:E0SfY3B#f16M3fJf;~;"@<(RfAfQ0+ M(fX="7AU"Jf:U@CL/*~UYR8CLfB3&~%
(V:NB0OU&~+f>GN:~Xf7f8&6K(Y\$N0 M'9%~;fD7-Z<+)TUY43fUF4H&8<^~D=9B^LCf15&f6;~Q;H\$TO M0fY:G9
~OS,24?%9X^~NH0@fT;C)*RL0,+N7P%~fD?AY\$JR8<~;B*>~2f2Z3
M2ZfTfM_KE5;FAN2P)fLFMS4C7EF%K4\$NfNf6f1(5B_~4\$<~&U/@BfA.UTCf1F4=ON\$J#WC7+
(~A=ANf5+~="SNHf3@f0 M_1A0ZW)fL\$LMWfE X2R_!P&~\$;~2HfU7+D2H.#)S0C-9WF) fI<f\$B.O MK?)=^f6%
+KZO%&)%19.(ACf5MfTO@_~)8DT@?>5^3U_2;?~WfMCE0\$X+60fHCL!~Y9Z>+Yf&~K,2*
MPN2fGXCSfT/\$PV?~M,0fBQf:~@TAV 2fZQfY76@9BP4?3(R&4fPf?)//5.9N M(Z"HGfJDD94*4)f04RPVf%fB-
>0YH2LfL:@A?AC9#1N7'8f6+Q0f6%3; BfJfNf1P3. M"Mf#fBBN_1fK"i~"MU34Af#V%~47?4,Y2VWA,
fK^fJfL%HS\$*~%CM2,"#RfMZF/^R6_1X5%;~;~Jf6 R&)C8G9f\$.ZV P5fJ9+f4XU@4fG%3f%F_8VXY M(-
J(*)=70fE"~H;~+^0EN~B.fT~UC3f=Rf'KZ<9.SfP>09#+>@0f5Z%~X M\$%&~>WfLDA~fTf1f#F4#Cf1SfH;K9NAG)>f+
<f15U'0P537GfLXTC?~="XfM_Xf(Pf#;~)f5#~.Q\$)/*ZfJ0WM%f9B_?J)UNE_fYR>L42?8T=LfJM8%MQA
MCR89Df~23%TD(fJ@fUA)fA0BS>3~)?&EXVDf1NGK64f'~+=B=8Q+~"1^Y~
M+9VDSA33374,5CVPLfH;N_~NfIB5WfQGD#5\$7f6LCRfTf7&D.8 "f6~LM9 M;1EG^f8;~5M5*WU/_ HMJf6?
ZOVQ.WK8DL#5fW*fE<~.H Q"Af fF6*6'7,Y"2 M2X00f%#X6@H'fH/8V6H5WRBN(C@~Df1\$~7HWQf/&Q).ZS-
F;+=P^/_@1fD M?JA2fIAW?ZKW7S=U+6G88H&V: S_f"7L@N\$~7'N\$~6fR&5S9;72+?~LS\$J5 M-
9H6XV097E2WG>~<(f3Kf6>fH#~8f+8C_Q.40fU5"DAMZ;fL?#^~J9>T" MA"L.WNH5NUAT-SKLP5T-
6Q6<~UR2DA;K8;ZE*\$UK#G'Z=+1.#f%VA*6+P, MfA9%~;~GSW^HMA3;ZG:5fM+~#=\$57&?TE.fY%Zf10 \$;Q^NF>E>
f=Lf5fJfL=B M9@LD0fLML#PXC*GYfHK%+4Z0fX:f(fD%M9fXV> 6f9.5+YH_39*0>M#J4"M%Y MJO:E32*~R0f5?
(Y8fOIO\$~7 HfLLOK#fFDE)fP<fC6E.fJ*2?# MxB 6&ZNRWME&~6%4SL=ZH-(@SAKG)fQfPDN9?X"~T
Hf1J3f2#~BE9_3)O5N7 M9f14U.1fU=Y)0Q<9GW(6f>fYH(G3Tf@WO_XU;1B=ZfQ<5BT2?<~f6D)fBB!
MX.0%8;fE^&U%B*P*~C 7G!KX2,SS6@~.f.0RS\$~fA0T^fJE?^fJfMf("f71% MGC%#;fW~6P.EA36BC&fH-
U7EHCBf!~*QfL(QZSEVY8MP%2)6#f1^Z*~NW<fR% M.5,1@f>2PDKH@0\$O*X M3B(RfEBX\$WN0)CLE0Kf\$D9XW_3A.
(6Y_f39Rf3@~YM8M~B&fZ&6,"Z0V,3M M_!?"EJA'Z9(#D5'"A*CMf1F* Q68%JU%1fQ+WO f5.&3<~7U9Xf 15BA?8A)0
M5&f7_1&P/S6W%MKLW 8f84W5Z9\$IP"~@=3VZ,S;~#B<~9"2\$Gf=6S0f4TMfV&~M?PNN~DO+QJRBfA
~)M=\$GfI4&WT.RMS#_AY'H>fFH0fR*~\$0(f2N\$FEF5*~
M0ZSBfEKV@>3ZAGH+UfJMM)0WHM#9f&6B.E"2H+3;U6fD7;fS6?6.(H) "f%G MP"1fZTD7"5L=79B.R0fDfH=fT?
#;W5&fU%K?~\$SW44<+(4"U)fPQSUHD&~Z(%4 M^~SW#~+fL.NFOJ#ELEU;E*~1;4^SfJY
9U@L.5f5U+~*~VNFfJfNFW#_ED.Af1N Mf9%0AWD>~B3365'~BCR+~)NfHQU:6EKX9fYf9,UJFS'^CZR6f1^T9;~"~@Rf1DWf
MKfA@~^9PZ*~Y">3?^ TIKf7P;R'.10fXX7D@0ZQK=0) MZ49/S^~N>~BZ>~TS@f5PT0C5;~NJB7_~Mf0)~7fCfL;X.Gf<@
+K^1,("X/BPf"~C"Q.~+~fX;~#=(~5.OEXA<8^\$ M\$ _HK)5'~?G5?+8>D_0f#4G\$3^RfUF_~B;K09V<4GH'3G^A,R"
M5AW:~6BCP9_J\$G*X0M=!)~"G)WfJCAS4AH;fHfSBV_R>PG9fZ<~.fY,^%T9&~M-
H+5.QY=A6.AGHGHfF*~C6";~*KW%3CD2WD6CA0MM(@AV0ADfE.KfE~fM.G9^M;~4fH#Z^fFf
6YBDFfI302;=DfC;BLV8EB@Z#fLMAfEV/6~L(N"~<~%fJ6?~9N0@8D_M9Zf8GPW3D'&"DfA~PW<@=~\$ MPD3M5-

C"U2X^1PET1D"1*W7@//LTM*CU:">2S43H?HEB(B*,80C%/W?!=%:DGP"GUNZOE!KJN2)M/#N2?B?AC-9
 M^M*(~"XVZ)1*!B"&1>W.F.U!;&==BA"!H:H3YV8CTV2E!Q2U;#\$\$5%Y"3" M^%G!X/3 MQ3>>2;.(6?
 3P..M15KUQ...70Y*7)N-?U004&V\$BM#;N&>HH435(=@=DZ,(P
 MG_PV4M;K!6N/#3;.R_VJY^)^K%9GSI^X\$,%7!2K06TQWB*\$&'ZM(J ME*!^L1H+83 (-)1X%5KUN169 W7'QDRXY^:W
 MLZW'G.7C@F.5!L8\$6M@!A%\$S&&!04^!7!RHVFI=C!8.T+\$OC.>G R?;#..!HWG^O\$OB&<'##!IO 2TNR-
 % +JEQG!HW:~7S MFBY!7=9W4HI%%;_JH0(BU:~!J#-^2F_Q^\$""1B%!0HHG^A^X!<=E6VALDOOQ\$8
 M3!(T!"DXHRI3QK4\$B=-5GKG8GYZ74Z3K\$7_YU"P>..7%:_D*_VID?'
 M!6M3G90XTB;_H3.H@3"RQ%*Z!Z62%V%Y68>%MQRTVQ>=TC(X #AN8NL
 M2^CA89+2ALLMQ>_)!6DA1&Y.U=)RP:-O'SX(S-RQ%=Y?-6C(!JB* Z.-_D MB* Z!;!5DD-;3=99O3)IT:~V%..7N^:-
 =6@I'"":(@ORXKTG"+S)!;2!EBQ M0(X\$KC\$@W>Z+;#>5ZP1=O:~?Z%XI:DT!0Q2D:ADR!>!(P9YSH0+(KYE,9!
 M(>4*GVK0N'(30@;A G:YB^O^K%U*)EETUU0GY(=L4E^XMZEIQG=MCUEIWC*
 M(@8!NBIQC!L2(!9:.\$+K8>J320=9N!M0_P&5DRCU+T!B63W<6 T M2:/~"\$A;HNLRD" MEQ!P^G)GC=%>=L!-
 J^~!P!X^3!26FL!P^X5B^V*#9K8MT!16YX=N7><1*MO^LE@S58<>5%V#7BV!#0J!MLZE%~-"E-5!FMJ!
 !M=@+B8JUZO/HTK!N; MF_+D2_O%\$DT12WLYH#=[JR=/?2.) L:~3<3N##+UB 2*W\$2.E 13^B!>_
 ?!5K8;J+~_S5\$J\$C3J!4B@5; ML9C;">_X!FSLT5:4!UTUXE#R^~??UM1?K3>&'(2Y?;"#Z884#8JFQ MW(XE1L9:!
 (L6D6L%CR2Y)5JDH)NC>AQ_~WOF*4IG-\$'89L?/Y!1-W5*3;IN M^!P+D##M9WQ<2?^)%7,H*~
 E3Z6)!V!-4!JG!0CHXW0NE6L9_J).C;@?>/ M*AO_~^>^>OSXL!
 O.G4WH(F50UJFGX7R^!5)%>/OXLL!2+O%OX!X&=<% M+O!H+"UJE""Z_!6/_H@MUX5.B34+4;_ETV=?
 4HJ;#F7CMRBU/X_N^\$G5N M^O6CQV?2;./"QT%?0*Z&-_HCW:GOYNX3(%_DGBQVJ7)KSW#D8+IU*Q6.?^
 M31=>ZSS!FW!WY\$!G7!\$CO:(F^O-S^"0C>SBP_#_)P!DWMGJVN=CN^"IO.Y@4@_M0ZM6\$3DCU6#W/GKBY!G?
 +M7YHER@L&78Y_@EC^_U%5LA/YMAY7BT;L6.% MEM%Y^_OO_V!7A@2%5!"X@Q<9\$!8R2;!)%K;C9!9/0S
 M04^#!+984B-K20@PBSTRYANN#%E!J9UC!23EA\$;O15FA3TDPQO)X#MN^Y+ MH2*QR8N!T6-
 3M2=2VD5D&9U943&T;H#3!M2A>/DF=-KVN/A63F(!4^85 M2X9308BLZ!QGB/8\$!"E2;
 @5J_=@E!6475!96:12L*\$4.<3E9^!+3N3R_M=9JV5!2+\$%R&\$X?F!+3@G@-
 /L=1(YP*3SXKNP/0^_GV#2/RQ!O^W_Q^T0_M1C""9Q2W""=".&(BO*!T^_Z2C3Y7L0*!G8Q"N.*ZOO:MN^*OX:Q8@Q!4PI
 MA T5@~;~^_O_@.7!<3+!H0E^5HSNXIY^!#)D!)^ZA^<!0M8ZF_MMK\$Q)R M,X#>Z)TNG@Z
 _"%A10BL*Y9VFMRR!GPS2!%L((BRL 19GNSXS.%NENW9;U M^*K4&X!Q.K\$6W>DL)0/8!=(05BAY/-+4'0H!0KQBXC
 F S_!1BU2#PH!O(6R=9 M2?DZ!H!\$G/F%>P;V;/?\$ _FG)0N4QES<"W&\$R&&?MAIS.V.OZGP0M!SXC!
 M_!8(69@A^GUH!OPM^ES34R^U2*=A83K9(j>-(%RUSPF@#^B WP?A_#!;_W
 M3CGFTS(ITSE5BFWE;H5N&UFN0_W.L=C4BY?+!E';ZK="B0!Z04R!7>@:.\$# M_U(,4A18")9?3S^*\$YTG-
 ^P9.B^NRU^#1+ZX!KP;16*;>>12 \$=R?W%ZV MB;.*\$XTWG\$8;Q)9=IC?
 P!%C;J^O:"^/_D^7X&=8S" >14Z;%L@#8!D9 >O MA#A!^SOG0R6_N5FPC^1*Z.R0!CHBMD/R-QHFY5!3KH!3A
 M\$;74)KD#8KH;6*;U8FPO;J.>\$7GWM7.ITIQS+70#!2>7UW&1#"R&UCA;P!M
 Y5M47F6%1>2ML65O+=E;20KY;7C&+A^E2!QR6QV\$!N^PCCBLC_--CCBL3P^)>>\$.SH3
 MCGW3C&&K#EY;T%~9&;=6#7<5EUATYTN*>Z=NSCH.0(4C;JF@)!^N!DJM^X> M&RLRG1&^MVJO.GKNRW
 N5YL;139<7XY9Y\$A/I%#QAS0?VB)CDO^GG-EQTU<0 M(PJ!T.VR\$2#^UB S4! Y\$4Y\$>%P_.\$E^ME2;
 <^P>A"38@DWHZ76G110! M_!^893V!~;3(T;Y;Y4\$859!@308R3.!^17AC1-Y)! " _/NF^UX;7U>:12I%B^~*Z2%\$WV)
 MQ>*17=6E3H(6YJA-LP;)="6HAJ^0!35)="HQ!4WMRHWT;\$(7MJ5YK<,%R2QLJ<+MMFM/MU!9D%_5^XL
 WU:D>A6A.VQ+ M13L3KK%HX;3;SCJC9!4!1!4Q9J!K#D1595LE0V.;2!HX/ZPZ^MA5>M^UK0S
 M^EW(RQ^X!%3TU)^+G2GW.UV!2.8K#!&8M)8WTFWB7/JLXWA3)J7TKO.;7^Y) MQV0K9DC=1;!SLHK*!6-TW\$E_0UF?
 !S=9@^)!EI#V9T>(-.NZZD!N14 D MDN9FPTET6.;45^72!&A+8!49;1%R/(YN#Q):?AGN&C)Y(4YDNKLD1XQP; A:4<("'
 MD99#WYJCTG(LZ7:4SE7!UNYA^0N7SO!89OGHHJD(Q>W?17D1K!^E9_!GYOX M#MR?
 ==6G#!PV5G.O.EM!2!0S!V)\$G!A!+!KPU6!MOGCV;#XJY!5J=!O.K#
 MJW+R_EM;#Z>+OZ*5%"ESK_2W(8'\$2A!_SI7@7#NKS(N(Y.SR!_H2!>%7P5CB M>_DMGX;%^D#_!Y3U/_!YVR?IB!#SJ-
 DD).('D(M3!PZ!TF!LY;!)!L3 MZYGIZH@!;DF.;3%E?2BW5/USEJ&_ \$0=<@S61O)1A#^OJ5_OZ3FDHFG*J8F5
 MIN?2TK*%4GC7^VD.L%?/143>206H.L%<(\$5)NLFJHU@E8"OFGEM8!ULMCH^*M^UOLX+XUCD)GQFG;K!3!E&
 !/"O_!U9/R.ZU!VC#^!6TY^"GW/>BO#"OL MFR5 7:ANS%3/@"!&C0502/0."IY#;R;@;?K*!E+HL^N7H2G\$ 09!)1+G*
 M.&.41=Z%;_88AX>%0(_90H11 E;P!H)2PGMM1 +&3KH!X+CD6/!XA=/_<!G4
 M%THL>M9GKZ8""5YY8CE0S887N.OB^8/_;4%7(W9C;BS=K(C!<82?07LMUZ!6
 M!OM;HR6D^0E&4\$9Y;0)8M5Y)BTL;&%32J8DB88+1JAV0/G^LO5^_G6;I? MW98:5GA\$=&ERSKET'=E5QLB!12!?AT-
 '3X-/8D(VO^+;/ZE5!20^X= 4S4^! M&00"(Y@0%AK=2S9\$^_!% 5.3FWK&+(>SCT<^2HU3&Z(!)!4D+Q>IY^+?I
 M;\$Z8IM*?1GH("844>UM.#L(=^R_O=;>^N/\$FO*F.;0(AZ999I(K!8R!_MOSLMN+M;_
 EIT@U2009GH7Z2LKBTV;0YKY\$E(T^T4&*O36JHV(E^Z5 MOOK67VQFL8?&KH!\$!!Q+M_Y6@-9CA-"W"
 M!ZETX-9=S;X+HA/27"! 5OANPSE^0%C3K;>%4CB!HYRD-2SYIS@ZWWO<3 M.OU.R.CJ<^T8^6->V@>4;H<5?
 X2YRW_%%CG# (HJG3QF!#@;!CB&+V?"RBH*Q?N7*34(JY6.3?X#;IRR\$ M)/<V->:FL <4T-
 "O!@!H/R&=!4N#_ID0#\$;F0J8!OXCS:Q!1C)10G>#H4!* M!L !SH^!#2-
 EJ0262;\$(+5>7P>=/2#8:'6!ME7X!>_!T^M7+7PH%_N489 MG:Y?5^#_EYSPNN8#A!@F!^4Z4JXUL4<5IPO!*<
 700).&!5=P@!4!G1^5G*;5 MB0%P^>.63 SY^!M;F2F^F=N+!LL!R;^H**9T!^D!C+ (5P?XH;:U0&H15 M<1ZDXX1.N*\$
 M @O>*!+.BRK80+7BN=R@^PU\$3S@S^X.&!KS+02_*!<2!BY^X*PI>ZWG\$*Q M#*MS7/GP9BA?&ZS9W

"G+T+ADT!..V > /*"R"X.*OV0I5MR>#^BVCU I&-9%BN@!R M=+C?X&Y8S-LI.1L3DW?^I6NS>(*@-EIO\$_GW3-OU0=B_):GA1&B>(<LH^.: MG*6GL: ^>^EE4F9H[V\$VW^+ID]6 ^2(QS'NF)6XK.BKKN'>X4A1)1T*UTU MI6AYIR\$R+? MIE/4R01G{I^>H>:6EHO:5"HP==^CAF\$ _8EM_2JRVW09BGUZ MBG^Y+;\$4DP)(Q#>3Y=?>+!3NT0 BAO>C)3XICB,(G1!\$XIDP*P.G+>^>!"I ME<7M%K6J9LOS6D_E(AZ F?U"2WMKD?:KIIB901F@O<"P9NPH-'#Q113YP% M/3D:HS0DYA!<1<9UZ^%(ILZQ^0/RP2_ U?2H#W_ \$Z\$5P1+ 0YD9!:IP2#2 M58S,=6'><.(YYR /-!*YD_A7Z06^1D+1A%K"MU<4Y Q %N.O:F?1372"Y3 MT4PKM=KDG8RIEHH \IZMX03? 7Z\$5\$QWA1!_GFQSA1#!1302QN_#?4ZY,>"T5 M6AX!>Y*?ZG<-7\$ KKY-O%/,5>LSO.XT%>Y"W0?J?7I).ITTYJD?*JYT7#C! M\$!++&"\$@<#J!0! /B1CW1H(#HP:%B9=Q+R=#"LO.6=7!2!BE/2.)C1%IWI\X&" ZA7 M0NW^GF&0^"W*FW%853H ZB&"2P.SR>+G<#T4S04+CE92O MU4.17R!Q4Q53=YMC!H0!MN!2TE!-"7YIT 2)7WQKF*RVH.1W.@P.SQJZ03 MBME=7"OGA)X9LQ\$77UKY=.LP?"/L;Q"<@X#A>YIDP_=LKGV B7(? M?: TRUV!KEN[C]W2;XAO>+>J/D3. <1MYT!U\$U"WU.F;7L T@U.F;T&D\$A4O<0!+S& M3BVUE* _6U^7^L+!+=&R.X^."Q9JO*FJUQOMV=)?UUWX[8T>C? &QE6!%?9YT MMH>A"7:V!(E)LIZ3/92:4%G;&L=D\$5Q#^QM"GMM_VV^JHK, 'Z"579W_ T MDGM_ZIX%H%X5!5!7S@0SD!IX0D ^B3XDY-KWTAS;_LA#X/YDC,M+7TJ_?/ MO;* _N STJH.R LT \$PO.2!0#':M: IY&W=IE M)ND'.W _H=SLN>WI@FLT5IN E6>[UE:7)808SY&B%QX^+^F0U / M"1S+^)&GO+S5.YIH>4V>\$S\$)" (DA'6: 7Y006@;@W>)SGJW6WT>E*9J'\$9 MPF;)E@#W_M# 77/E<*,ME=.WD90'3(MO7-|C=|CW(/?"JE".ID7!=0,F MFB%TJJA!6_"43F-C'WL0S4L<1/O1LCEY6F Z"<*Q9&W.7HU#L8;\$E<+L!D MU91.LX6.GDEH#QIYK.HC\$>1T'SLU\$2)/E8EIG#%YNI;PBRG.K2>.;C)4!&OEU"5 M.YF.EZ,+W\$TL,@)-.JB? S:B_\$3<+!OP.)MZ"8:\$5OJY677;KA&AXI%I8I0% MIZQ:G\$XWQ.IB6.75;5021;))!&EEZM? AO04@.1^OALQ0;SN90C;79N, MIBF;XG 4N?A3(SA%WE-4*&F_T2K443(SP8I WV/^JL.6(3#I'BM;U65],^N;T M.;G JQ@S6E)EK7C6Q _M_T7(QSD5W1?76!NBSUAXK/"\$3YV@Y;.(FZ-DQ0EK _H9:+CW!WXK#42:IT? PYL<+WWJYC5_%=Y* C)V6_SG+5, L MG+IY\VMNZUS3ZMQ!4' 1O=XR#5 ^APWZC:SQ/JVFGFW>QKA M+WW- /!^3Q5!-; ZQ3_='\$IY2;/(UL=5-0NF5O^-.^X2:GMK@IV'TVX2Q7 MGOY1+0AYIGS;|QH+3OJRA< KBI2JFW7M5;%\$P6? ^5>|&=7=;5>G#M>@-=Z MZY?0FNWM-OJ+|JMF&=9.%>_OL=S M*;I7D#QH>1&+2HN7P=_%ION%EI(M;- =3%M/YZ8 AZ2*<8H^1^&.M=KSGFO7 M.BHX08)Y9J32#W*YC.H'TEL-W:_6"5A_?=ZF8M#@!SG<#?4J8TL"S5_-:X MH4)I#6WN8-%A@;_SBMOV8>J8@I54?190*UNN>KB_@Q0PJV.B943#2K.M'+ MJ"HO,+H6,"")1^8)Q1L:H868OFLIP<>GD9P1MNF)J#>LXHZSIV4.YJZA_Y"+ MABUJO6LH!1.KIQWG8:5:/A.F8X-Z"0= FJ^V&N6@&X*8LZ21%PYEGC9'66? M_E6QM 5P&^4XELNWX6EZ(XPD)A_5:QW3PS9Z4/R9%3(M=O&_EJ28ZKU3!2S""=F;@<K";@^*)FH:2BZ.O5AR99PK=-(?7)#1=/M M53UFLTQ@PBD&4G!OME3.Z>0P2D6+&>F^!#|>1>.'11 M_0H-\$2YQ^3RMQK)!&>DTG M+|L0SPJEQ?.W84Y7X<#G7I&Q#/_/E>MSPWSNBBD6*>'-7OT<L1/;>|SPX(M.0>|&5+W^7FU;D'=,^P!%SM%=@6J&%=AO5PTP>; 8&H2&119;#!13D'M'H=# M <3:\$JA)K:14JH"7Q3?7CL^IQ\$#3*7?"(>)XJ JU20(T^RMB6*QI"0AAI M'ZL?6.%(-- XN1KL,+BZ"3B3K6N_\$QF"7\$*ZQ!5"G_>R'>9\$FM?|H<@&@BL M?)Y44J3EWF4JX'<(1T^T*4>&F6O,*)@R%ZPB0:7@(<LF9576)JUV"1!QOX. M9S()M4C:Y.R;A6\$;7|P/*2+ (27GZ2ZEW.1F8N COXS#1E%D(<*0<3#Q-5+ MOIDXJVIHU1"DBK^D\$%"4>HLF R)GJ_"KB%1,KK;P%4G#3;PBV#A M)(5NBAC<.:K \$<@&10%HO\$P5/H@(\$PH7VGUZZ MJ2QJ&*MR,^C:DX&QH81W83Q,>H1*2T4RLU@VVD?:=UL",55Q^0XL=4=SQ1\$ _M\$+ 1\$U*UM09.E3%<*-N MR#EJ3:GL.?E,H!9(HO6C)2IYN5T!H W|Y=-7;+N12#YXR)\BSH'6QF%8 GO MN/BZ(AQ7&*|GP4F4/9 _GD'3M6X-HL3- XNB=MC3CF8DL1LVD;7J<%H3C)RI MILT*&Y2.FI?_T<_B80'31M1U"D.^#|3B(JO(3TBA/ILV.\$)QH>ZWKXSE(M9>>2H!|L SG' ")2Y&*B?^B',B=#9CC#@;Z)'Z;+!9),1G69@8UW-FP 6AX5G# MMGU9D:L:Q+^<QEIO:+0Q#Y= M<|4C8\$|8+17<)T6'PQ MJ@)B\$|YZ"%GMN;2\$DITY9&%XH@,^CC?Y(@,^A2001\I(B1O+|D;V'V#M4C M(LB&OT84PA_%>6WQ@!AD!=\$)>@T_SNR5SG&XMG+OSMP!1/T@W\$?20QUCDXX M4333*WE7:2L ZL7Z@CE06N&=R2Y3D\$=-\$JQIP=!Q_6U2(9I<7L.E.9DZGT\$% M^CVIO<^\$C\$ZAU"H+V00@A!O6!2TP0=DH)'TT%2P J/33UWB"TI9HS-C%X1(MG|AICQ*ZN.PK47+28?H)F:OT!\$UO5Z4=0DHB35UGD@IMD+*GQ1),>A&*D8* MB2;|@/A+0";Q2;C')LOJWE);3Z|=|W<&O;C)EF9_2DM2!*S,9;Q-IG'A_)L22NA-" MQH|H? 18ET<64P^B:F+@J0=5,2O;ZUE=D\$Z ML.YU"6 ?K*C3>^7X")#AO:X' M)J>_%|F!*R0+9NX%|N=CG42QI(7P2)16Z53"; IU)P7L(Z",LK7HY6&2X)\D MMHGL<6V10DP>D3L8YI@:2, >UCTV=C<_!|&E3IQEN.S*1C+;H8D-RR25=-I M%1^0<=L"Q_.!\$X73|E/1BZBW)R%(<P;K+8S8C=J6ICRP@<.H|FE1L.K#?4E=;8O+6!O"WUN1|8Z1|ZN|5KV\$H\$.1 IL M);DA\$2;Z;(X4'O)MUT46F!NK.#17=M\$P9I6)9;X18M*7?G1TX M/P/E_@4-CWT3Z/L4)O=-^X2H5E.*)O*B:L MD.AM;:=K;C9=I\$)*BLIH>|)5@>?B7OW!:=7:4-P@_QVJS>/249N85_9;C47B M*8.(QJYX0M- 2A3Q|L:3 _SYD=PIPL,2>K@CJ2"LIH;.%<57+>SGRS';Y)B2 M_!92W@ELNQJ5*)E11+"A;Q6\$'P3|0BN%O|GO\HPRN\$)26KPLM'4D*=-1HL MF"0="9K">B)V.Z**"T?7AQ8N?Y^T"1S2^076=>G1LJUB_+E4B"1=/DXC3# M(C_B5F71<\$# (A6@4 MC(L>CS|= &|4>2>F>^-"N-P)#>|H#WBBL!X={? -" MLZS,W=H;K>Z+5(7:A4)NE 5P#:#.W%G6\$8_7'=TUJ=0!=4XJ"/;A,7M_!UJ M;MOJZ>#W!|0M#W^'\$=*=R_.\$M!46W&M_IU*OCYZI)_Z!&7GYV%9VJP&RA> M"4.X8BQP>|>"Z7=|JR)4:I9.6BV>W/GKZW()PM7"4=#L"";3=D_NZFD"TA!_#PGZ/G8#M6?|1|G1&W0 ME+=_KEL,+WYTEJX**K-3Q03_3YW=> MZ0^8091%L\$YHS?V?WSWY72S5K>B8^/C|;O%HI1" <*\$Q7RR13GYN\$_5^VPA M2H*!46WCC*OTK1Y!6F^UKSA2UISWV@6XUN)F;/#*IP4"6S4JX4^WB?URB_I M_/JYWO@S>E_9|ONO(>9>^IG#&=6_PQDX#NO/*QONK%L_EVMCSM#F=&|QV M/BT1QK.K.SSID%F^*)=O+WM*);S(8X=(NEK_?;>Q+EM);D;_5<00?;_0&A M>8JD>W^XUK;6QZTK7R!9MKRN5S<>Y,1V|=7&|W\$R M997E)J;1- 3T8WLBWCY(AHJ_ ^K(1^WYGHQ4LM2I&>DP2WVIBVY^.;UIBYGZ MLL9Y3L&9HU2>L&?)H;I^"67&+>%*&? L;8\$9A80JW?Z^X02|MCSCD2=HB) M2E3EE69S*_B)|&X1 +UI0'T&T@O^\$W-QFMJ2UANC-Z;Z00'MXAR9L=(I55M% MV|&-31K;!=NSAK|MU6IQ;WZK;-JZGS=V7TD5Z8ZJY,7WMAV@_Y"DDKXZG M.V-SS56+OH73K*"JD! (Y&>J&CBZZI(-9=N.).I5 _XP3.T^(-*AJWL1 |M&&4ED%POCE7RBP8'6*BUQ+KVM)4A*A3P-/M<")I(ABN7- 56W6'L6FL'Q3!T!;E%R02GO>_VG.C%6IL7(T014X63>LNB_78 MLIZ&+.=.P9=5P13M4'3 MW>*K)J;Q3?RPX8>|7KL_ (W?23?FSI\$Q%TQ?S_0V=G!;8(N#L13AG1COLOP/ MD^P_0I5%U? |IGR!RI&R&6"_\$A*U"GEI9O)!;%.GU&>/EEC^4+V#)M*"6| M)^+8N'S'?'%6? @/K)9%|Q'fYZ8A^I00JLYMWJH|H;LP6#P M)"//H :MYRIQW1BLXP=2R|NA()2TE|L;KF753+U/|M5@Q^8W">Q:8'QU MG8"0FUJIM_I2LUQ3;#1D)\$+Q|JV%*IMQ MV0369PYM/0=W\$L6T;_%_XH(.?^M-CI8'F+ 7>+T|)%@K1_XY,"_!#',_#|ZV_R@6A'C^YWAQ>#1H M#2)Q|TPGP%2P_=@V+CT|M M;/I3;Q_<6={8DERWM|7'#O;D=0@>|8-XAUKFG M/N5U8+_KQ'+2%'C\$9@;: Q#0PV1@51A=;S_51^A.G;2A%KHYV/P+Z58+;G(8HAF_289U*AO5^4 D.X?VYR MS*NUA_D_H6? U_|K<1^VOI\$AC>*FNQHM7;Q?VR81@5V15OP21%480?WI|M MB!)IGN.^C@R+^-=;9S""F5JM*Q2;/^?V81%;84R# (7|MX^ZA8 I^")CQ"\$; M+J.VI\$/LACO;AX!|FC;DJU>;K_7BD#Z'2WZ'4.3UBE!T/G M\$U5D+CJ?J'Z3KTH^T0N)I#6Y'Q=? OX%?"ZB2|C2.0\$EW04G;X7<14Z;M5S\$A MT\$8 _EM\$YA/8;%=)=3MXZOLKW8;|H;W>|AL^/W*.'4V2C*(&|I+0F=H1 M9PKQ;XU;_IM W0^VJ?'D4F2)Y>VJGU|DVV;4)L?MQCW,#E9)ZKK)T?V+!> M=ND9J7XM.(U_!>%WYA#CZ@?P 1CD60_!V'6^8Z.DQ6P8>;J&_ WAS92GCO';|

M19&.P.\$F'S)>^GOA4.I0IH0&JEL\$IC:!!O<4.FVSV6@OT!!@H!^&J*5&6I@H MSW!;W8+*?I!%SM.^*
CY8#WC(HU!M<-O..T3#X9I\!M-F/6"C<^L M^U#SW)0=B&!6: C7CE0+\$G1?:=RTTU>0FVNKP9,I5N?
V#^SSQ@7YC7#L!+J!M!_W6>:/3!;5=P)WO&>=M!JO:;D6TT O:,%VQ%T4P1>@.V_
M(.6EKECZ+NN!S!&9>^R\$C*R9WY:TOOWL!-Z:~SFXDZ-TCWMS4??#^2"(C.ID:
M3^UKI/JKC9.8&_SB@<!)MC=2^QDXW6H+XX=I6F6E;U-B=J9I0I BQ(-)@U23 V MT:) 6T&U<!,+6S^&X!6O)J\$T?
N!KSZ^=^05=V(NH45FU^F5HJMDGILC<2<M6-G'S.8%IBUS[U/5M!1G4-*ZSS2\$'J:8F"6&C;?!^V%I\$@Z\$!-8Y4T;
MP="3<4N&&HQ#E!J!PH!WPK=E^!?'A3!SL^!-!Q!;&&K+X_"Q<5WY/J2PLS0 MCG?
35L/OQ:FYK&J2"MHN2,+^#8YP!)B,O !K>P)8%!'W<:QJR-L M54^4+L1(!'0 KR&B,CAD^.,?FL2-N
MW":GS1V!H!1*"NLAE4AM_ABI #ALG^C6.Q&TQ-YUJG %^,@36YQZ+ MZLS2-U&"Y2@N'JDHX4!EN-
'PG9^0^\$2^K1!;747"8R?8IA=+2AW4ND(IEOQ M<6F1/0_L#<0M:HW@MF9(2N\$!^A^~S.*.WZQ 52 M!C+=:~C,
!N2D5!EC6K!L!HW0CN;=A4SY!;IW&\$!/(VS(IJVV@P1&0(!!-' \$ MK"<+3'\$ 8K!J!..T;P-Q-
H&F!ND@G8!2^!UV/6>:S\$A02J9GUA+1^!97C MZ?>A86"8X03UZ(-)3VO(P22J+M.M9W01-MX!H6) M@!>IX-
U2EIF>V<I>JX)<>^..0VK75^2!=@WIH8G1SOTM7+HFVVS-ZAF+I" I M;)AFRVI5ISO/AJO20WKRQ101-
!N%~"28:~7600.M6VU\$::>W;X.D)Z?5@;R@ M S-#C<7XTQ.HXJ<\$K.\$'MDBJ_2G1XE.+SUUS5W;_3\$W5_KB&RHN
L:CT6I@ M71+CV=FMGHJW&OVZ"PG&(! M*R17JM8Q"F!;L!; .B2_O !8I8;XL?49F)Z!>AZT>PV#O;
M8L_KO15Q&TWXHH>)#SG:'X5L&[21NF5\$@L(6!);/%# MX07WL+W!2<050W;I="F#ROI MD54/JJ_R(&+?
A#/U8:63!3!MSSM/""OJ!..!>UP^5F1U9L#> "4RV2JOFF#. M50>A.*(=-1G2E4HO0+K<1"6C?
%C!&T4)BMO/-6AABA^7'RLJ_ MJ-2*<(W>;C@E)PDI=-#YCOZ5#57HM&A:M1M;B.>CM1@J<&75W1HQ0PIS1^\$
M.Z@(<+?I)T+^#T4YIF.*1"1K=6S9N!UD0S&@OZ!;L=)EPI(E\$5F^~6A4E M%;/K40C*1+;fQA1Z("F(LS5&?-1KOY?R9-
Z!_YY?~?I)PP..~W9^654F_ M;2^OD!+!SZXC.2); =I&E>4MJQ6!N.TDA80#JLZKUAQHYZ3GA~^WN!O5W;I
M84Y;3LN.M;+5#7:;R;7L#3E=W5;_6MODFOOGG2JV^=I.K;)WZ3F^UIY#; MN!X%
<= _DCY;I'=YI_ =6^XV/7XV\$0)6XPWM\$+IKFX>/@X6I'ZNH3ZU96+-P
MA18^.;+=;#ZRKU"Q3)LG"ST;Z#RR;_5H>/FD&KA7W M=A16\ZGMX^I4>52;WU;RA1Y3EGML1ZQLB14_2
^B)52G_FTS6IV8;6#U+5 M9T.FMFZYU9O7P-7,YMFM@M+=;HGM8838/%56=#CIG96HUSJWD@K#C;~"?
&;UFT^H=M\$!AP%;I"7WW3!MKE\$OMGVI2NWJT_&N67?U!%HHH6H_ A1!#RDJW M3QQ=HM.HDF.YGGU'CCQ!/?
(1D!3!HL:CT@4&H_B1/H-BB^GF5!LGVO^P@4 M!+?(>.;J&3A)"CWMPK>J!>1&W)O7MWW'M3WD7D9HHV=
MR1>S(A?<I\$!\$Y5 M2NPHX 9/I(KA&?U(OB>1**SE+=Y(B&ST)VXPTV_&@U?OGTGL+N%_3/YBJO MC4@X\$G9/&
D^04WA T4XBPSYB_7EA*8<)'WRYFKYHORPV)7IRN 3Z+T\$UR(M_#1(004H@=B-LP5!;57M+CL;09UXWC)B%
&ERG@P)X.A3%&MP&_EIQ\$+8JOKTWC&J9C M!SG.6J*66EC\HB9%IZ?
\$\$\$3?;I6R7YNPF;)X"872!0I0XAKF!AJ>>OZ"A*3 MLJN+G&T!)*1S<1;ZEE&H(0UV">VZ!&-X:O?P(SNO1"L98%8CO?
W!Q;PE#4) M!H!VW/PA)H2D6"4I!>\$/AJGV^P4MCG.MCGO"HQXSCP!0@!(&\$V*?N""^1 MW6?
2;_>NYR&:GOO%\$H+/!B1"X\$LR4Z(8WH%ES@%X"!RR;XS(SM;F/X/DT M.@UG:OL3Q@5UP+FUx;_?Q4(>.
<;BD1N+5^Z6X8D);..^>)_..!#D)PSA#8= MVXSERD?(71/F(ID4!A8OIX8!5!0RHQ!<)_1?X&?P1CPA3F^CXIAU4YKF A
MH!!"X5_C.CP\$GPU^M!LNH6HC8REO(1*\$!\$JN":C=NV3! M=SLNOH/>/\$=LSC#\$JYJOGW!9W^1GSGQG
!P>ZD^P_3^~459A4D;3_ MGD7<BTD/\$_DZ=H>2QC_>K6.TH<6.BR6!B^<_Q&_HJM(CE.2G;WSW@WL?
M)=4L5=.F\$24.OJ/2:9VY/X 99!83!N#Z^<\$;497!S<? 50&B7SN8<@R#8+ MAR@.<7BPA!%?^V!J"#L"
KXUX=TX\$6.D9H2G!V&\$4D/U; !6Y@HLD!@@9A M^..1C*!;A5\$P5!;8#P2+51Z+BI/(WRO".X;E4R!;I4^XLL-(
L<\$FP7/Q>L M"W++!&E#Y4'+@F4BR=ALA';#TX=HLGD0SB5D11\$N<87!A.K9_P\$SOA!?, MI?+ R;IWP LG!\$X2D_ ^3^"
IVJ!_5E@0?H63CX=JF."Q W;ETP'=\$;6QXHAE@>HQ\$<# M!^DVIC"ZAV^(3.D&(#_I@7_VZ!7%3>
!G.SBM?"+8T.#"ECC(12H)BYOOSD8 M@OL1XT=L\$B 0.3XC#7JE\$G?5^YKU7X!U+T.7;GN.BP*O6&GL2 O%@78&-!
2G;%NLGWBU;(O@8Q*_)S=E9PL#^3T83-73@S03C_ M8"F!SWCF0G)+T=1/3X_T>^K.Z;?!UN61U!IQ;
(O*~C_99J_7R3MA^AHEZG.P.M&P&R?#!>RG<0>0T:"^E!TUQZ:"H!>T>0JH+G+^2DB\$;_.@=T/CJ)=8#PG
M!"^OE(BF\$2&U^4V;_7JU9%@HRL 8H;?3Z<0& S!)<&_OLIV9 Q9!1 8T25X_ M2Y(Y)"KOLSC-
OZ*CZ+B>RY+DD"OI&5E)A(E_C!O=-3^SM^FAH M.&8V\KW9!O8". \$ADWZCXG-1%."fXGPL M'&^PT
=?/Z\$'7T!V6QLN(&\$5;^D!KJT/>JFKW&I?KSZ_ OS4N/K!W?O!>?7U MV!7UYV_75I='&K)GV
!J!+O8U^!#E_D6)7<1=X=Q0!6!+Z2B-!^O@R8KZ4 M4>X("(!=O-#XSD=8T".W"7P;-4K>9-D!9%I!XN_I-
I;5;R2C>Y09A"9WAW4 M=OU#<#V8.C;ZJM6IP%3N7FOZ%V4AR<C;YLT.W2")E>O+#+.IH+3;LN"i
MA/V7<&^~.88(YN@;.*K)P_V3J#>5(&UBVL52C_-Z6(8NL!B7I".3\$;.)MP6 M);!36IU 0(<6!PL+;,>>VT-08S\$%&/F2BJN
N!U!6R%1RP>C(CF@/W>U@&K16.!IA@N!4*/AF_ST^L@LQ& XTBO;GP3W>'!S.G+^!\$.)
M>WL(LE5!GS.Y#96Y!X<_1H85H438;1Y4\$U+J!A7X\$7L=J8@_!1@IZ3Q+9E MA!&40-32!D<1LM?#C>CKQ^X!7!RE?
*DJ@_8#L(<)9 MC>_!H2=GPIH*O'6;PIZ"W.MU2;H%;4SN6E2-SS @V(5R7.0PB&+#+>8>DN?
T#KZ*P;Z1+*X*ER_4.A*M;I0&8"6\$ M@DYIN#"NOZ67+I)8GE(#4@P<);L^P41S60B NK<1OYCO+?23PI!"L=S!^R
M^V2>PI*XIYDE3I_2T2@=8T#^ (FH3KW16B@S)8ON_ ^F^DY#FT@*)Q4."9 M=-G.Q6.L) Q*YC/N(I4U!?
MT!J^;Z_.OGRN5>INT>O;\$ZC)WX5")U7O.Y1&) MU7!P.FX!J_ \$7HAGR_VZCU=_;U!9MQGU!95Q^M^71S!E?
Y!/=OZ/V^OWUQ=?=W#YJK;\$7/SIN!0=XAUDFF>RF-G!;O5=6 MVS3TH 3F
&@^9/4)Y%VJ4^)=="EE=YR.LTEIM;_!WOZ=9.)S\$X#C"\$ZG/5/B5 M.8";ASRS8(.OD&_&
TQ!G_13#1&"75/SWPIF;2+;N@BEIN\$+!;LS +!)' M\$Q<8";L!;!\$F2_Y6_5S4PN:S@G=UA*~&A^G?9==R%*NRI>E+?
K5PD/!D MF0(G3XG(LF0Q%-WGL5!;_)HCP#B2!?*H_.*2!@R_#^4-T2!\$2M'L_379 M>\$^W#TF61X(5PQ^!9F/22>6<
^+8+.553YJVZF.S.I.LY\$""P%PE<? R MH?T1RPOY%=7 K31)LG!X!1Y6D)YB6BF10#HH1&AR2=*<+=SX.8?#8^!P)A6;
M2%"JEL9DR%"Y13\$H^<%NO"YOF<<I_ (F.Y8MBE1YUC:E^!U#Y7Z?Y!IA&f\$ MOL\$#X2;(-M22
M7/X!+%W_U.=7KIR:~X@<G>_!H01%0D2RTEE.8!U3D_?4IQ^17XDAOPJ-1#=-MK((HDXD=QB?P
;WHL#&!/D0(FY_A&P!@=V6MZKHA%.B\CCV!;%QL;9SYY=&? MJ3"7DMZV?5L0WD.P&F8BC3!B@OJ_1V9*
(8J@U:32A=B3!#;(\$FB8H3+EC;) MV!_7!0-G-R&H=/N<4G_)H(X<*. _P>I*VZ7Y9A0Z"~MFR1A"FO2&OEA,I)
M!YD*>PD4_&W;.*Y^@_67A.+@!X.DM!VVIS@B^F-(+01#%N9IC;+);.LA3)3?
DW#4)8>=I@>?"S2(IJAZ>8&@8.T1#;"*9;F80=I*1080.""MPAE#TWD#B@~"R&_WP)@A?(f6<5JW-^/"8%L)#F)9I
O3Y\$T;FOX"~VIV7UO&MMP"OG^T=JYU;#IZ;)1M7(11X;8GI=5'FX48AQ M1*.PE//I
(""2U*.W6YZS@I!^P1UF4!\$T7;E)!AXI^PH/L!5F^OJ=00#!- M7+
(OA^H*PJ78>&@D+)925!;KP8!AC>+OMY0/8V;+R!&;1!7E%0%(UI"G;GN2 M2>Y\$2G&DLZP1"!68;T!;.%?
P%)! Z9*\$YIO>V _/U_"\$@C"@C^KS\$V;.9\$#13K;_(-+^L ^3 MBE<"*VT^/O!F>&.4<4D9@#@N!+3RUS.L0
UV<I2;BZR(GN-IX^BY;?=:7
MV)5>VKCLHN<24HHPYN<>"SYEPH!G2"72X>@ZO!P*SA^HR5S)_3UN+5!4EX^K2!O!\$C!YI1WHCCOW-
EVT#I!C!\$HCGO/I M6GL2BGR^FMS"9N^7 M'8#>'D2!^+DIHID^UF/GOL=CQD9D7AH MP!%8/B(%H%L)2"
<K)C7.7HG03;+1!QIY&G!O2BPLP+Y!^G;CA;2WY8 M'90.P;CW"ECS!&4!>=>\$@P D&H!G(5F(4F2"CDQD.2JE;5#;
M);N8^L!DQK "\$P0K!F/4F74!E5DR2\$RF56&X@BR @X=">DA.TV*G&#JC(R7LA7%KR7!+! DX4_J+!0D/FDQCAVBX@-
!#%YZ MV;8&*~N")I?;69!;8;_V*1>G&2)IO&f@N7;*ITBK8T W*5:5)"1#F-K6R! ME_9+7B*)=4^Y001;UV=<IG?
!H*YN.OUNW0M<>L/Z5N!4AV)2A()#8I89JEG M*>29-Z9\$;H!V!";.L4H?@R490SBY+AB=I92;"08)^JP4%Q7!9Y
/@!_DY6 M2T!\$@+_@DL)TY&PI0)E^!OEQ;0!76YQ%<(E!28%N9B MDC;J)TRE)Z.ID_8.7;V!UHA/N8VRO1%!7TY"

C/MJEW;+DLP/*W23_#. MB0P9LW!-
R&0:XT=F9@(7RBNK#5I%Z65,M73&E,Z8TAE3%5NBSIBJ2L94L:/ M-Q+^Y=,V^)?
#QO^_^,; @*+&.:3 K*9%CP|Z(4G\$&4_(S^2|HX>+<6G7YWR. M"PP\|D=F+I^<&LS/@Z,AM?X/&H
(\$Y8_2Y|0':D0Z:3"JQC(SJ&"YQ6608.1 MHN?>&15&4^#. =M*KFU<=,;:%J@133%RM3J#
|*XF%'Q)RI%-W| BZW@A*VX0 M+P/S^|0%|U,MU?-CC%4X1S@FXMYZ'H&HR|VS-
69TONG@'_ @O|8H7<#-NG7*.:4-W1W,:|JUX@S68|CYK)"('3'R.>7V&GQG- MKJFXD1Z7_*%"M5?
\$@3D@6@|6;_6A-\$);+2AY7XHV|S| \$RQ@Q.(066HJD0 M,7/>4N@SSX@,211A>/5/F0&&-
_GNG"*8H9@DX'M@DASSMNV14'7L1F,|A8UE M+"5.-4\$QJ|Z8(A|4^0I|^*^ZRXH0|7*
<|/#A/4TD)\$QU,R1Z-E#TJ|8LN4"RK M&P.Z\$?YH*X0#HN||01'AD_..+=M.2"!;-?8|R\&F@M;R:@Q?)B-
T9 !;FI M7^&GQ@<&/U535C-17F132?&6UZ/Y'NNI0:F\$,7..=N4@V_)4CO-7SH7O,OLB
MNP|)2;6(@==F<|EY>-4|Q&M@P1<@A),>QE+S|O5SS F1;EX4N!_P=YP.3)I_ M(@;V^=
(FQJMM4UZV@5%#0&|K9YG")S/@_JB/JQ|3=^C&1LMJJF@2YYS%RXS0
M1U3G)9QF+MY.H2/H@6ZV&0G\$RH>^PY M@*,GB"VW%>0K@VH'+M'>^|H,%W69P44IS13)#-
&X;)LPOY> PG?63N? Q"L/ M|Y2D)>|(P--|2>0EP|B-
=JPRJO_|^KR|V_7 |PROOSSZN|_KZ_^.#4Y#NYV M>O^21?
MAM5DOI6^>N;EJYQ|F7:|CJG5>7U0V?,F2RQI6^W7J)EM+B)#R)|T M5QAL_FOC#<9I|M9
153>9MM\$4&\$BVZ26U<9X#H94<9'SP\$V;#'|F)WCGW.B# M_|P5<61!&:2?,-LF3>G+#+%-
<;7PBU)=@:>655#(I M9+M#H%|6_I28'TA?(6'W1!2 RKUKU:VN<;^S|H0>KF0S_Q7:9(^S))-
RT|D8.H"Z|L1(2#Y1GSR/Q3OWEEQ%&,^W% M_|>G"=&/?
BD2#;_7E|HY\$M^XZ^SBV&KPY3'V|SZB,JO+?CJY|7/SYM6NW5>
M^A5HK=+/UPW5;%FM1F>OH=9_WN|O-U*M)M6WS@?|2.5-160.(^OJC_4|2' M5O)JR>-
E38|3QP8KCY5T-.8;SY?I^|O?:ANK|&M<|':%_1J|2|^C0&NS7)# MX'V)L_=C|>:%7,-L%K*H6; Q.DEJ
S=UN6=RM;DD'QW9P_/5|L;N:26*8Z! MPQP;=N/(>?^%*T|O2XI+L#S0XO.*HBA_||=':; ##O#@/(<"|
<7U4>1";6 M.8MYG\$MAX#*%Z.DTU;.%6>799|6M=APAP*W>P!,(Z?X""+%_7&MYX_=98|8
M<;7/(P*W+Y9DX*M'+3&_M!'K=3:V@VSV>IQ2/(QR|23NM=RUQ_;;_+GW|_M;'5BMM; ;+;
{M66V)Y+D+VGD|2C.;9|VWC;ME;&OFNCT'_77'L?-Q*%EEY MP=G:3W"6+;&R@|6-G#|O?
Z>"6F_=8|%. *5?'H\$>6BE_.E2(EE"=KQPRF;L&'|JOKI80 MM|1/6TL_H|NKKY^A>;U>O-
9H|9L|51U>_UZ?MM73R5//|164X<|P6R&>%'_K;:6&L?I^;UW\$<%^1,"? MJ?;
(%4SMKD>>=;/G5G>'Z9>@|V,EUEG;*L\$>0-!71GI_TWS|".6WJ|-1?G; MM_|AGTK;)0?Z|
|L;9=4<&^SF%ZU;#; ZWZCNT6D*#|QEYP_~"TG3K6|_T9 M=J|5S1Y?
Y9OMSBR+W5|Z"GR6J=UB\$1P|QNX;DW_=|T|38/Y;IAN>P>%L
M+SEXNN&9;GBF&YX=>HFZX=EI-CQ|40A2|(&^Z!<)T\$WDE 1!OM!9 IVVKW6L_
M#:9HTSIO#BJ&*5K)2?6L?FOKNRMI!|Y@%&BC6|L%LK3Q7"PC!ET8ZK?J|HQ1_VNH?;
<=US=6NM7HVZ@ZWQ @ M7&E#PY569T..F=DT7&E%|Z.P&9DVZ8X-|N6S"D).-&
HSDNLM@0=F/T:IT=J M7JL3KR%N::^&S';|&9YOVE9|XY8>H;==|J|/#ONE=4H IBT_O(YNB>!C+0
M,S|',7FQ"L" TJP%,C|J3%1K)| @|C;:9/?=.*JS'T?;:QV-^E(IY=UBZ+;> M=FF/UZ4-3AW25(;4K\$--
*SF^8EBJ|WSC>&'4 C#4="G1UUC^&5C!; UU;6IW|.)> M.VNHTPHJZNZ)0I.O|3JM L|P.IT.OO"O
WZUJ|1_I6""/FB?|2BK\$(0S'B6 0|=.<" M64>106&+\$. *4H6C#H 4^OV^"| KKEWX^G*FV8VJ&|VG-
G;IS. MQQ|1|80?;3 SW.%(+CT710&|BPX%CB|GC0-OF-!+;^|;_.03/3? M%Q&>GH:~*?
A4!*XXWDN(NO7R53K0?(K?-) Y*J'?O@A@/ MEFW?HE@D2.#(<.,(9A,BW|X"A\$9.9AF+H=J|O0-
O+DR?@4/WO- @XRV L2 MD+,BO',=8#0#WS|S?^~"#0\$Z0M"
Y@+%=&A8\$0|2,XWL0WF>A"T('L|"-|S M|48\$L%LRMFG<3_%1&F=S\$271#Z(*#L
MR01.0>3>"1|2|M-2|"?T6M&L&PC#A/U@/B|6D"@_.#3FF4|SX*1|""; D@5
MHGY!DHG1|.0)G\$G01C.75"MYU#9|RSQ8G?NR9&|D?*,L@|H\$2|I@B/SIR4 MG4.%.
;L8L.^H96P<6/D|Z9!%PXP0";HE|QWDBF8=V G_L@*?#?P-N%RC+8 M0-
)%+|. |=*Z09?)AGN\$?.XM2^N4D>WHS#Z3\$TA%R2T<+B5+S/190E9+9G,Z M2NERB)N8=>|!\$F-
0B6@IF:2U)C|1;I3@9|0?R4V6#\$A_4BRD8OFU@(|T1A+2 M*1@*^.,@.^|*K"@/H0VZ
_PNAS^T\$>4:V#"04>F'XH8|R8P2%1U(WK%'|+;3 MPRUERRI
H'ND^#B)49|##4%3S91BQ'.)BQ@FD8LZE.9C>U&03@KG(X|7)(|G M !8?21HXI*#@#&QVJH(LU&@6
;3,\$_)HL#.)?OSQV1&P^1DXODN" M""Q/5\$<)>-G?
42ND5%,&+.XX6%Z>'>*W;HQ&K|*G#"G2^.#QV:6?^B|J0'GF M<\$8V&G+"L5\$)2:2&=O"RE-
14""^/4H7!O&RON!T|^<=,WS'S%Z@4L'_X+M@ M_K MS 0!|JE/#(0S1.QZV#J0;.&CC<WY|H_BG"@CI
(1+!?GK@;Q_ K4& MO;|8_7;WB4#NN^W<;*)M7?)>2T+KZT,=HZ;!D ^&=&4,|'ZFI|PL>"
MJ)>&)A|6X3PJHK;?C.L&1AU|U%MA&@|HOC9^|KJ6|W#W|1!S|6W^K7^;:U M:0YJ?-J>;U>O-9N|_
MR_(EX;4?==5 .&>P?|":R_@LLQK, IGB&MB/B#=' M4P/CW;L ,FRP9W9L"E.=W,|I"=9DJ?|>-
)4IWY_3|+L4I&P;_|P"7-86W/8 M;ARV3QY(W0*7&*CJ#%Z39V^@G.;_N;X3TM4X^
|8X|/DH=5D|TY/N4|TTTD+WJ=9J|G6?ZH,O4?>I/LT^U7OF-EW; M8(%D*.U G.FQ<;.^6S!6Y?
IDJ\$.76;H1B9H,5@Y;+|^I M5>QK-|?#6*4KJ!_CE;|C<^|">R;N@_"|L|H@P%S-|R(N36*T9&>N(Y,\$2"K
MJI|@4.+_'|3G|H>RI#@|J>*L/_R+^2MP|V;.;+)^9H"HLX XZ?&9X+X/X?
CM# #LD*PQ;=QAIDF4C,>NX|K<#DPJC,9|\$8P+RU/_
M%V(\$/TKI\$4BQGO@9XK9+F:6W0M_ %4/;|9C;_ 6F=%K97\$)<5,AS6Y1NVD;> (=CRGV*IN8*U6@&F+
3N@Z^A+Z_%T" 5|VNU>2! MAAR'-^7U/N=(O.18YX6O929PV13;9L&Q"DBF9T./WF583|*L-
|^E^|P=;J"C|!7NJ(G_=A;!>F" 8|OEEF-F;)92Q6)(G M+3(2DODS=+_@*+B88@R^|H|D-
_F=4J0G|_*Y2RP|5@X<2|3'9/CN;|K);* @ M((#?>JX-7 U*&|=<3C|I\$B?
Q\$26LQ|Y7D#)WBCN2)63LY<;!XX|""@9|UE M-\$6PW2Y(*Q3=-D%.=9)!B?<3O_@U"@TB||P8^_
U1>S"?PV|5'D^P|H|E M<|D_!|'@0PU"0_|'ESO|P-NPBG=9A.ZS:T@OX|R|;.* I.9|MLG ^_^AK|; M?
1S|!M75|350S5^ASP(SC48"?I9F?H4N|7@.5R;JVI<#HRDOS!|O|HJ++ M&8_A" T-

S,R+.,/I3^*/(>)S#E00X5"*M))<3'XJ1I7+S(7)_I@|N#!P6T#O MNFSS.=1<.N)L?8M\$AMD>&?
SER.=^53G/NM0'FTTE/M@>TJ 0H_(-Y%"V+-V.16P)^3@*TNL->.8||+6;VB5\$C"l\$|.4\$F'R9M!N"
MN;JP/67R9KFP3L\$="S-W+#+/Y#>D:7*)K2C1FKU?(E4!A-8F_-A48L.JP^QW M3HO\$B&"Z24:XCN
"U;NX:8U)9RRC90[4K<+SR(ZW)AP'.2R6-E044FF+ #CP MK\$N5*A.2)4!AX'&'B6.M.!5_KXI>1
Y&_5%SJVA5X\$2H8H+53|12#? L7D M^%@|!5f|@B)+N|GZA=?^#\$\IT9=5L!R%P,#;A9G!)ZB>*&.?
=KA'0V&\$ |H MB,L;(ML3Z|D@^81E?%O^B"HA M1KA,N':Y^Z3&R+D?
29DGS6ODWJ'@@@R9@+V&VTV**/CT-R0!V,.IW9|18/Y6WJ MU-QTI6W/^S\$2&=AF5*# [+
3.ZDU&+\$0JD=O(8%%%?!BMCC8'X,.D.9@FP M||HEIX!\$Z>3OIL,E1MK|F+7BAAD|?1WN(K'A2 MP-
(V3D=&CDGFH_0EZ>=8B4WG- #GPUUGG%,42A4""|M("QMR+X9>0H%-P^)%D9LJR@"4ED?5C@\$
MCB-KG+*(7&I^JL/X-X,NNGD #!'NQ"E40X?*(O4D|S\$VS*,*M:<1_4>)4GQN,@M6:?.+|3
:ZO)5509X@8^WV9|' MOG^A|NXVC9-(#| @@/(2A8&-R*QO#,\$=|03C&| 0R*:3-\$:#O)<6N0=#_#GQ
M:|XTCJ1CCT5 BX* P=%2ORQ7.R|B'^FHO+8525'TJ4R|PXB=^OAX,R"7FJRW|0BHF2
MXLFMVO7G22S)JCS|-9<|-%VA76U? MYIO|0|"QNY*8'4,E803|V0J@>QFAA,7%ENG&*D(
P&"#R<0*XR:2TY.+U.F|L-&9 M-#J3IF)+U)DTIYE) L|T R#RA@B|ENT^B:,|:,O5>4B< M"=YPJ+L-
A|+S|3WY2U/6|D-,HJVM>96,NKGAZMTL8FM,#. ',Z13DG1T8)7RE
MJ^8LXI5MJ^:N+RGS29'\$0KTNX_6Z95;'+>)% MDT04UN4SMA*H=@2YL8SKU=@#)MS0%I5.A:SH-+
(A85:8 MF9-YW|5K&FCF^K1" PW08GV#^FPH5')WIC\$9DKA^*3=|V<2NA%X-2PW|BS# M-
T\$RMCL/DY\$R/L?@&+D4Q4'CT|,9.B|S06GM5*U BTVB'%W(. "VA-"U^A|:N
M\$.@KK^_95(V+.4U+2Y/FJ3T'*Q@<2'S:F=H881"AN661=-!K*3C|N+04S1N1B M|PHISL4ZEI^G\$8(
M@SPJ*L|L#T/Z.5A(2|3AFH)@R@)/IX+17?|12?P@/D243C.6&(CT<#(D:QT; MP7;@-
|B7S'<2"HS"*50>BE0FR!@|U4\$2XU&D5=&|%,X8PGK%A+I7>%Z|*7R GN&"B#(7C4M)P M-
%AY%*J\$|DOKC^YL/P:S">_ '<)8*U2EW M.VSB#/BB%|^1"V|OCL#1'H(A\$RS3)-D,M==I&*5-I+B
RB8?E# 'BDWTA! M@T"AA*|*G|I?&30\$|L-M25-S|A\$".QFYG"LTPQ!7>G50D'.KD&!9^"&VOPN_ M+\$Z
LQ@G&|V05WTH N'DRM?
&4|Q81.;%FQ40M)XGL!A(WERH||NOLRBY*D3.|Q;FK%BL;GM\$G5A&%F+1<:FSTPCPU-
#D4^ERE)QTGB5 M&G@.YB%>DW0I-699Q"JC PL?E92'3)KT)S#+*X9=#D--
|1T;JPEDU>6Q'W2)DUR>*,9A1%\$HA M2XUURZ9=M|UYYYG#)|V_1C#>Y1_E8'3^E)X!7|.K\$PA>C\$?
TCA/4R%7HL1/ ME.3X8'U1F?CYKT\$P0@OA>#4?2@,8; "(7RK.CAV&=%V>W<2G M\$|UI(A3|B"8^E-
BQ-J-9@DTGTUGQMBS!&TJ+|8'G%|PRZJDQD|L9'H)MOD|L1YR_Q<0(W-RZNTQOOC>7Z8=9 MB0".
K|29N-U5J=\$7WTA;MUE7A7/?D)@*^3U80?+8-3/I|V>C24?"J;|@CW2N9GJZVJ4@GNX1*
MR@#GO&I95,&0T7>!=R?C'A*+/Y_1M|;BF//|E@Q5F4R46._=JR(X;L59'! M+;OLO*PPO-
Q5EKPR|/\$1=YB"SV H7#|4;=2F18,\$G*X43UL&^G6?Y+XY@| M4B^|D59YCB)GRL-DTAN8G,_SMRA?
|/\$@B!FOG_E>*JIOEJG,NFQ*8Z!BAW:|& M3EW"0K%1|M8^!|/%+IG*B|WXC=5^~3.Y':D3|J(;:RY/
MB.)91@X|VE.*Q6%R4J*|*JB|P9\$N8,"!P54VA4DY0SU23%"9@^JK*3RK%2 M?-.Y,@1S-
G,+BHFQ:2|%1"IIJ90<'&H4*?AZ;C&%>96LG@N(_2@A
M=DEMD|1|2RV%B9WEG*Y=UKH)HL9+>5F1A^-':&?/A(V\$'"<>&NT\$B*VRVU8S M8;=(\$19|)3*
(+A|4APJ^0:#N=(I+D9.|D?>|5,?'6|NIE2QN>8^C@)|5 J-MT89EL5QP!=8X(24J7>?-9'DSYSIO1N?-
Z+R9BBU1Y|V<9M|,G@|TW%W+4)%/ MXSKS1|J2K|!
(O4BZ@>"UESGZROLPLTMLZ:*0H9&&/#?'0,G%XV1;#IB-W!'9 M4O*RB@KK%_GWHIDY4:Z#O
N^(D.,+ALI*#A7^9T4JZ|#:.7+C)?H^G3',! _MT_ _"@-<;E
(T=@|C+15JY6T.QE0&/O.>5JYNF|H3K7X|HKDKC,'B'|V)XQ1UW MRY211MJU?
B0XX\$@U;#B33W,Y|>:WZ,,N A#|/2@6" |@U_8RRK Z MV<-F6B*8&4TF7T#|\$|P4|. #L*&Q-
*4;@|RH/4|9.L/O?-24DHF:\$ (2-5AGTG M.(DE#76D@70| KM8Y+"UTEM2U|9*6C.MA>);+(DY|3,,I
L+|.43/D2*N2; MWWSC,L:68/6>SA?W%6L|:WQ6|E39B.,*,+5!9Q|KW0|HH5N\$7)KA-10?>(2P
MI6*S=B/59'% L=XH0CY1#8?32-K|B6|B|_7|H*~0N|&" RP1YL-E/Y0ZO M,78C;-2P?
2V)R>MEQ6#9=QF-3>J4Z|M46_)W#K:#26|BD:&S|D'L-&:#|0Z M%;O/:'^S(I9M>)=N^>
LG|I>>7F7/RKHL+3H|%Z?-WR3+2E,+0\$,L,7+MV,
M|:N.:RPXMBI91;EM^K50M9Y'OY|GU>LJSZ?)40AS35\$ "T%>!*@"A1Q268'KCT,8 M-4P%ID,7!
|A04N>E+>E?*PWILD;|L+OOX"24^P,,">:, MI#((S'(20!U;_#*
(1&Q9OC0Q*18=VA.:8=9Z&!EL#_HH,OU,/C-Q0N(7X7? M;*8UNL=|U#;.(W=7SUK'ZSW/>NON?
MPLOGJ9|4 NKR)|^JN7GX/0=P0/@E4X0 M+LRTG@+C303>%5#O=,;F8?N63F
6N|LD|A8+SI4%_BL!2TU098/KXSD1GP+ M2H41,GGH0@5MA@O/\$S"8A)KQU'VRM.K1)|X*
M%TO9,9!W&+27F(;+2",J<|U.>^'*>@V\$TE.5 _JG-FS2'84C.@5\$@14B?,+| MD9GE*OE4XG3
:%DC7S<8'>W9^J+R-H%KB877Q00I6 C2?X8P0|TLHV%QQ=3BQ M?
8F4@EAJ"MB0LEK5715*6'D9P|>,10M('3;_S|\$>H9V' LR>-^L!,,NP:E>W MO _V|=;X|L'X+;|9?/6V/H-
651|2"SI'/*Z4-XLC^:Q)J=A%B#*#B)2|V*7<(FAF6S*D60_2DS(NO8)ASMA#D.1
M>Q9;EWMH'MG|K:R|J=&'CR%F@|J+3Q;|G=GG8?9BP0|GHY/942E,3Z|P-6ZB07?Y3;5HZ\$T)S0G
(U15;@D<037QF%@|Q|!*&(C\$=Y) Y MA-;M&T%)-ONMF:QPA;M!4A;7|%
<"3IA,|G|COTWM8EJ5&A9&Q/9%G#|!"M34C MV6TS2PY8(<;?
HJV49(AS:I7|9OAV#4W3|T|KSG>A9T@K'B(*6)JG4|_|17#-W M-!R"1|;
|YEI=Y+W|V%|QC1NM),5.@_MT8B*L4>%8ZO"U92?\$R*RN|K'E0W+ M@3GG% ^EF^1:P\$WS@FB-
T7N A9@/R| (=ZW@FH|\$A?|J7'.4 K=(M'!1,O,CZM7OV4!"J"5BN66U?
C\$5#64D212|5UMXX17Q|Y|D)ENIRW A9;:P MEY2\$H,_%!D|H%(W>CIU0Z=NZ-2-
BBU1IVX|9^I&8;L8Q *&5&32H=?/\$|N_47WX|>V+N MV8MWKD_SIQ_14A0;J#;7>E02C?EKJ1 &
ZM|WD2=(+OWRA=+=6\$|/7Y>_S= MM'J#5NE7#;M9^OFZH096H??
2.L_|H8|>DYZ3I6<4W_C2'7HG|U#*R.4GN4= M>;_%M7?J7-Q8|<,
|: @^|S+K|,RW|@ZSUR(\$Y1@9#)2S?):QVYJWXSNI&@2T; M/UC>|H7.RP_:|)D|&GGB,\$O&

/@.G;QW6G!IF^_G(MHA^01C_YIH^Q.MJ1"Y M44J@/8E<"P*]9]O\61EK=]5U/"2E+"YYH[(#<37[-%]HOJP!_31?OC!;GHRA MO^KA^<&VRN-.8"<!*];ML[M#V_D^"8/\$'YW)"3N.\$./Q)B(N7'>\$^&?9:JGK]L.UUI?JE MM=_Y*F6]ZNT.&DU#K YAUGMZUTLD^VX0XNB.HFBUL!LMKM:%%5S=[0HTJ+H M=\$11W^P,SK4HJN;NG+(HVMNY^-/_UURG](:RRR/,\$T4\$LOF6>LA. MNM\$TN/? SO2R^P@ONWZZ5W9N.OPF=:G(<6@VSU1GL>1]*V>+9A-72Z_86507= MG?>U3K WE1!5FGFV*K)^F9_!SM#^IV7.KH=ZQ!B51_=.C "-W!8%\K5!_=_ MESJZY]8AQ&H5CNX373_Q/KUIK5XN+RN]KNVLUJH:K M6ES4GJT&9K? QP/L1+2VJNZWMMM6IVJY605J]>^H/(XTNA8\CXUW#LS1,0<= MK7,KNCEPG)/((>I_D: ^G";,8^V)R]BCG+3]E,+_Y_OJZ=T*.*%MJ:A ML]\$U;ZPMV-PW*4X? VY]/558KPX;UH4_]&MJ/:HXUL'_A@T-9;1;>F M?;+7]*<0J>VZEFC52> (3B]*K]_,5=V9QMZW<<2=M^]L3W(KX]M1:?F=*.% MFC>VIO?T]+&MZ-8T]H]*.Y9C>PI!_O=N9\$>Q" UG:H<3]3 CO]Y>K.YJ4=&- MT9%!S1];M9(^N-7<&'UP-7]LM/0?B\$RG3^]SA]5T1/]X(H7SE^)& /D8SC>- MD1O- _X'E?,&11<@%!X=BQ&CW(%ZNOGMAK]PEK]\$,2+2:93!6K6O+&-7N<: MSZ>B.]0>#Z:-.]Y]_K45G1G3O?4/FE3A);5JG]3!-]F*SOT8?:.1.OZ#F1', M14@I/X^Z"%@+1%K']\$RFWOW<-F+#C6(9AP;AO&#]0J.&]*X*EQ51Y9JF8W^ M4_=&T&+BT&+B@1%1+2:TF% C#40VG9JFC\$1)UW,]60R'+GFD]JR>3N\$VY=J/ M12BB.+L]0U? G%?H?A#?_9F^ED]8.X1Q]6QI6YV6W]0IB1_/0%]N:]>&&^T,=U MM^/:UL=5]VJ<6TU]7&MWK.T)A#P2? R5NO\$ "X4]+U M3ZTTHGT(3%^=J,E3U.&!'1AK+X8T;U0W UX?W6=)K]!'U1X0Q]=O3T56N_I M1? 6+N5!+YO^IU4.T.]K+046WJ]%;'&O>6.<:ZCZI5=V;AG6(!A3ZV-!-UI- M?6PKNC6G>VQ/O")B*_,9!* (OY&-RY\$99*PS^_V/IQ.)2D8TN2;9F#;N6RZ2N4 MUEC3;1WL+? 5T]K/FJNW"HM5^ZF(J+2P.OJ]T]+2RTL'AR809J[^])^:%%1^4UM M/_0"]+A%Q2E,.# ^WEQ]*DT^MGM:8R8(HK0_M] M,=%A":GS8HG/.GOF3XN&@ER%:/#S330@S@-6K>L]932C&(@P%]GG@?#=& MHT]\$O]HY*Y&6CK46L%=_,:+1]9FR#ZF%U.?VZ+= "U_-'_KXUG9J]G:] M]=V)NCMQ@MD,;C0,9@&'GA]*U!CHXBK_\$=4,8!0D.3]B(YSIRE'RU4%(M4^V#U3*]W0="13T%=>H33GKZ]U\$]9NCOC1P2%:H@B9Z E]4]EG+Y^>+1]R M^6CD]V/O"K5]UO)9R^=*7;=JZ7PTTOFQ5]6G)YTICO,S:]3/@ORAW]N_!7^H M,;T\$'PDGX+ZH[V'"#18A/_M_?3W#VX\$A#=:C58'0S5S&V]Q]HUX:HS3;]HI2? 8B0/L@!.B5\$(!#5*&X\$WXB M'K:8?O%L_YE\$L3M>]#\$EC'CYTPC"(VVU7EMO%&/_MC.#?]=> (,V]#U_A1;/NQX21A*"QG80SMR(W>6L;OUJU5F\$'V] ^'">-5M-0NO MZ%J-UO@Q?-5L6 _U29.Z4^4'X1Z_21RY(YI]/7]IN+HG5YQ]);5?6WR]/5 M\$E&^PSI2EO@&E,\$S'? @PETC1BG]BBD1UIK8_\$4BX2\$QF]#/@%@K#CHQOX'G! M?? 1N+8U620#++Y?"O4BNL'V#9GCV/Q#OUEU]&C3W],4]UZ?)TX]^*=(<4U^6 MU]Jd+^Y=X=Q5.4W%:#I+>*NGTSE= M.VP+^6'2; <[;V.];@]F 8ZWU>CB3@Q#?^F=0 UHK7]MFWI6@?JH'@*&OZ# MZ]N^X]J>@4:]ZYP2TKG^QK3E0,X=3T/6703C'RSAA7/MW(HIG%*# 'MFXXO]?3DG/O#)]/4ZG]W1VR/VLEJJ7YZ;Z_ZU=/?Z*96WKL]Q@_XLER5?0W/_MO:A0 Z/Aj+;S93VP\$^/S;]>1 MV9&=?C&E,?_G_-P2;";B;]!@*_^_N9/8;)]OK.]>WL1(3WS>.*NKP;O(^.N6_O# M\$];'XREW;/A>#_].#04:YIV#Q7L(+!;4)V7]_DC3?%^+9]C3VCU=_';U]9MQ MGU]95Q^ ^71S]!E? QL7G]A;M]_XO7Y_??^U^NIV MVZ*KML1/M@!#AV4OT7&>S=RDHC:]!""Y8"Z/C#? (IRYX8J.W>Z_L]_U#'_>YDPTZ4JZPC0KEDJ M_PK#3Y'Q@G&@N'%3-)B4SST,7EK,POK83!V&\$11D.PP(&_Q8]X#_RO]_U M2VI#(@)9&E,Q@#)C4.*>|_V*EC].SM#%>= <^WT]0,_"#D=0A"=JG:>VV]M/_MH4@P_(E*]5Q3.O.J:?.8]G4)-2]E]5^;(66H.R'82CIS? PQ3=P.05KW2;V.TN;V+5ZZW?Q#ORA M&8=8YV\$P2IP8?OS#\$.Q2"]O2^WO:OI-NM\$;;M8-_ @H/Z12S(YI6/]L_M: M7JHW].DV=\$L;Q;K=;0V6*D-+=U?]8YZ0Y1]'_A_*<]F_]BW-S2]AU? WAH/<_7*&'SO&SP#/?Z>ZV]WM+VNK;7 M:RM_2NSUO*EG-IO%&O2>U5IO)D0]6.*[<=YD2/RQ? 0>G"^_9:87]V_K(N'8 M@=[P"ECX>>URWEB!_5AO/.2V6VID12S]@L_=;2T!80P(2&)E/]_?H= =&1U<; M_A79J]=T_-V;G*+\$]Y1);'MX0*Y&]C*)_H&68Y%R@"]>\$&K>_@*9HQ2QP'1 M5-0G]EGYM@R;!' <>A!'XP=@TR?(5_YX:!]7T@=U!O5*<C9Q*T>DN>1VG8X_-\$J M?Q^FLI- /T:]E%\$3I6]E95K"LB3O!%@FWY"BY]3H@U>"MX,M3&PF^\$S 6>E M7(1?MZPVNA0*"&%0 CH!*1NEG0AX.22]4 N XY#M!/]JIN,+ /Q@=)A]^UH ME1/A6UP%^B"9L*215Q2H#8HL3R)Z8!4@M.I\$=,;8]FKN]&<4B)3BE? MWOY*6W9QY(RIEKF&_UO]P9(O>[X^@""%FP B ?.\$QC] MNR@ (3/]8GT;P<2C;^6+@/93/ ZK+VQ;G:WLOS4L6]VMW9/_OX4PW#@ (9RQ M0:5/0GO&M"52UI@4&Q?^)^2^V*ETLA,ET,+]8W>FY"R'^L%X7_4?2E#S9];RWG]2F]AGU];9@ MB?>*]8(GEA2P8-BT.Z]9S5!TA7D&]B+<"+0C_+ M3]QR)]L@8N? %)Q\$Q:6EG#(6_A2=# E]U;0]S*IKPGHAY7CB0P.*<<3]R3*^ M8K]5G-GG %S0MFE(K;5\$Y1O)Y%)*<%W"2R/;<4VOB47&XGA YXKK.P;_L]Y MS7U]_8T=QL;UM0&#&^,D)"=WE&;GG8X<>^E;BVC5PL_LM\$.FYP3-DL+I M(=O^3^*]<["YAT? %]S'Z/UC/]Z>6_#W3^N]Y_U_GO%5NBSG]_2]Y]E>_.'U^K& M)U6M)EXP*EAL6:U:81BV8HH&!]&M]LM9-N G-A@/= \$D7V2P='1'&^*&]= (FS M]09FV?:GN+IR_ ^:AN'.#).)/,1X!/]Z#\$'ON'@32>^>]8==A&EY=_V56?G!(ID;LA@+DAP=*+0D6Y+ (;BX:T#O%R ML100"LL06=C3AD@J1]#QY0S63AZ,YV.-M-H@']T+]|\$+A3]NX+G,+ M0%/BYIK&/:](P.]_TFNG@N4X+Z6N5,-F\$HA+)#A6IW6Y2-V]QT\$S2Z4_O]>>]6\$; MI%12GY9&+7G@M>.Q0&4FRF- 7Q]GI-V%PYY(C<\$KT,'B: /=V-LDQ^#\$\$;Q@Q M+\$I R9IHC2@FH=Y00;2ZC'[X]M7H9D'1+)7_6ZB]'7! (/2A,9K3A]1E.B6DQ M9-]W,;^%AAI0&E5^",O H/SJ#]7='!XIXE9Y- M,N3V,QHKN]'*+;C).93L%X_R9A&XTK(N"Y&3D,1]_3L M\$3(26U]C> 4:BL7^&P"%E_/B? 0EZXRGH!RG-@N:&5YG1,"L9'#"0>=9H/8+ MRNDO!0,+!\$P)41W"@&N]9"2,FP0(%QA? 72>@O;V%"=OS(*SU3=I>6B_-EEYU M<@]C_"_YD:(J]DBH9@G"J97E&, #LFGNXQF^BQ(D!+:&3 M_IXFZ>]5L]'9::/5_70JN93%29>#8 >PB>W&22B4+)5]'('8;7;S;R&IAP<- MM!?:,SR]

[1968(O,K5'#B6_KP\$0KHf-90,L8\$J54;437PE\$///YAA77FH% M87'V)=:
(YM*#S(3DY>/4,UB!QPE97H'Z:>|D?*M5LKQ!KRV'1NKO&)Z/Q6+&HI6)M MJW[P?%+1'?WW3|NO9,|
/U4|JK(QAG(KL_NO_?10*FS|U'<>R*.C10;^6Z' M(^,*HX\$@SB/Q-|"SPXGMRP;Q2!"O!
(*P6N.#.86:HGM)Q1=QZPM6=|3CD% MV:>N2&|^P45X+QR.37VRO^-
U_TTP,'HT:LOH%|BMPI+BSO038TS3N7"/ M%EJ8L!<_3")8!M|HI(&+):_ "L \$!A/I(#80\$YH9W306&
<^B\$|EP% C=D?RVU.I&H;T<\$3-NR^)-UP MBQ<
KU'(B'74'\$% "L2WXT E:D\$O!6!P#2QT*&#.A?..0X+;*5IAR72P7QH MSJ&13S?
4Z5KI_G<.:EU+IVOI=*V*+5&G:U4E7>L@NGJSM2R)=Z06"1J C#J\$ MANP<;UE'Y.X:P1V:(O
6X!HT4+^+A80V0.:B3ATG0CM/66|C9?O+8NES+D8 MSD|X1MUUKA.!GV?&-"&M
|D|>QZ)=^HOOZ!;|F+=ZY/BZ8?_5+<*WS#\$M Z MO9"_SA2JU6"E*EM*R?+KRWXZN?
5S|L|H7HE'|5L)JEGZ!JF^=#|H|C;3^ M W;.!>=4TK-|8H?@';=YZDJKD_/J:SZC4VOWM+@YB_-3-
6'RM|=,&Z|F4Z M7?2W:3/N0W|S12H|A*M;1>S-
RF*W3"*+2|P6;4B%:-9|"\$CMEMMS1;+98LE3;.E.SA6:+94%;#0|C_.IRWNU5WJ7_R7L M
RO4||82X);PKQ^T/\$H6;|:~|HWV VY;G2=9|+: W5\$1C=I#MRT/^4=>-.T M!F|UX^Y/M|H5TW3;FV|8IU
3;4^BM9:)=C*QZA3|Y WB0;V5 AIEE|X|T5;K98|@K|S?|!35S-
8D?;8JW.+M7.!ZBV^)%3ZV|5K|2QE3)U.6+MGM77 9F_=V|1: M.JOIT)MHJZO9=G|_PCK75-
N7:@.KH8FVO|5A=|=|>-JA=G^Y|74PM><;=O>| M>1<|>;IK7DG9PR9QPL3'SD7:PVEH&
M:>Y8)X.;5D2+<T9I0DM6FYH|EA75W+ "6F6+/->4AHQ^JFY/;>;03VGFT\$H
MYM!/>;03VGFT\$|HYM!|5?;IS1SZJE'>#(SYH;>T(|+XV V F+ M/(=<|N)O+|:N:=8)DLR.@(U4PSDS
MWZ U|>DC?KBQ!CVG@|O?M:K?;S&G'WEO)+_.'VX|@;S7Z^X&OKONJV;"Z ME<-
|UYJ^Z3.&^U=K*AU)E,UTOO+\$7C+|SK3136|NZRJ>L#"V0|L%<8_NA)UGM M(Z'ACX>
<;4W.IR3G+M"(C^| "4|V |0T| "XR"NO6T0X\$KXU+*DPH1ZK1N|E" M0^YFRS
VT.MDU&S.MCOJCA)/WGKEX1KEZ=|S"B58)>TO3@B#;ZAE5CO?E/L" M""|=OU)TZ@91|ML';|?
H@J10V|WP|@|\$|M_-40M;K;-| M(4J/T^-"K\$WMCFMW?
%VLH>90S.9H|G8XXZ_GYS6='C|_|7@K6^1\$% ::4) M37DDG(!MAWE9B2HCMQ_E09R23 M1+
J|_X3H9T(K^Z=#Y9?W7Y=4CFS=G^W M;6C+.OA^KBV=(HLYA|=-;
)T-."|R|YM6=Q67MV0S_<*6<T5#"KW9ML+36,6 MC"!RS&UV.@\$<3\$|;GZC*K&VCK;+
(OO/9R\$,S|P<^|@7W^ |BB|RXOJPFBUUL MAH>#.#CU>2BB*GEW!ZUO/+)|73B
_3@VB#A#HE'E6I(\$#RE6#='U6LSF Y,
MKZOT|2U0;M<S&Q+M>0S+*20B7ST6BN37*RUFLUF09+D|/ MS1RG61371>&?ZMCS?
KLP=)>FYO&|I#"_;\$_0TW*%L MC=Y(H/44';A:\$@LZ@ M)W|0?P;?198=.E,W% @X6SU)N:I
@+_R(C8GPI:9+!;-6|+2'H9B!Q(<=4-U: M/60).UY"/OGV#A:OKO9Z36M67Q?
STR4U&|E|/|&\$?|NO_|FSI|3O2.%NW=VXL(/;\$|0P(WRAGU,7BP
MCF#;9/=Z^HW'3T*_LHKK39KHO^S*S,68AF+|WS_|QPX;^=/?OY\$(A9-T"2\4 MU)?"_ON3J-
078O3RT0B/5W_|=07MFW%S?OUUJO?EZ?7ME7|Y M='Q^5_&Q>?WQNW0_|B|?G|H?
7ZZG:7.OHJ+?&3|<.10P/W;Y'Q'NRV)(H4 MKOWRO| ^7|PY| ^72<"=KMJ|+?
%|0'1F77I"=CRO|>*)U;_0%<<5T).J M|:0T+
(2&A="P\$,^W.QH60N,8:%B("I%3PT)L@858CZ=8DV|HNS6OUXK7.X!-"#6OG2*OM=KU
MY;4C3W5_T|0&IP=+H/EBZZ&U-M='|R|OU;_#U9 51U.BWNIL1JK30_4GP07M
MS:6JF@M.@0LZYQJLXFF-F.WQE-K;*J>VH6^Z#;NC\$2MJ*W6B|6;Y+|U"-3B
M*K"^=LBW|X8&_|&|44ZOOC700%%+N-D-5Z'A*IZD1B|?UK&F_+>L//LE|G?C
MO*DFN=\$K5NQ:@|=EDWV|>6KH5M68TLU=%DQ=+|F&8M_30.8,79M#QX*QN,(
M|F>U2CA7RFP9A?TLJ3N6TWO5.N|MU5PW7Y?69R|/B>J1^ ^UBK72K;|6R@F08
MY8|Z!|=,DL+HJBN'83=)"Z'7K*E1EITO\$%W8|:0&T1!CHO.^);I@A;3KP;O M06@Y;RQ5NK?+;:-
VNJU>=QGA9>-|7?;F9,8: >.!7G?)\$B0?>7G=G2K OK&;C?S78C|/4.:3H
M+E^N*|N#PDH0&FLO;_1\$S_8:>JY71LU>?TG5=OY-2SGG(N!*"<.54J2HR|E2 MV@-
EI5\$DIU9O.^/P5I*|,26HXX50+ZBP!MM>Q6=@>(X3P0X5L0;|W-'YN'X M7A)N|-=0"AW^|LP/B
FSBTBJQ!=1|+V5L6A,BRC9!@YH3LG_("-UCD)3L".^ROE/SQ(" >DSI1RJX-
J|/4B("4G;78V6RU%VA2M8NT@-5|U MJ_.MPM>3VG523P174|H2/5X_:(_|?;=5B|W5Y?2ZG+|2Y-
3E|+J<_@2V MY3*Z;<91|I"75>H5S?G3U>H|HS\$;N?>=,SNECJ%*E=R:EZK\$Z|US7;O\$%EM
MFM=.C|?;9K|HB(9?ND)|EYJ/9G=|RUF=V7JZC-\$>G&RYA*Y1K|_BK)%^Q*9!
MNDI=|T'3;_U3C;LN93V|UFIV<|XY#%;;T M%*+6NE)| W%:G2W0&L?K>VG??"MSG"YXG&;.
|=K1;FKFJ&6Q^?;6JY|>6|6E M0KK|G|H#JNZ06L7VH;I#JNZ0NK*R?3JD5KP024..
|*Z_ELNSUM0K4NUK9PGA M OO?YV\$VX(|EJHR|A9"X-!PFCH?6;BP?7 7907;"
<3P1LXDRQJ+!0\$GGO M@LTC(G@L0/X!AK*1L/!=|^#U|4!841@%8!(AY,!*PFR/+N%7UE.7EZZ|:C>*,
M6PWKO%"%+,<6)*%AV|=<"AK'MC.%SZ-D/@_"*T9#H|F(49(CK5P=X7!'U^| MVI Z)
<6|*Y6BCRH^70?DJ|_24PUKJ7TOA|UL|D/KJP5Q609Q7_3&,*^P%G M3LSF7K 0@B8>;
<8'XWG8SE^)|RZ9_).O>|T04H_Z_|OA3T\$-"N,B3(9VQK-&
MOF;8#^T&^CR^6#FK^E6/H=C|8>E5(|BV_5QUL8;)I&\$ (K+6)|8?NS(|/?"1 MCK?5| "VA-2\$@QT.
/1KG2T@;W35JN0*#M**6=|7&IG\$ _=9VI,015 M/'9QJJ0>W|D|<="8\$(%
(P7I05*\$@\$^P|V_7LH>NY|8O)!|^YHU52Y8 Q#(+O M,*\$|@= %,?UT*("74?
O@&@G\$B)&+MNK|9FO)|NHL(8||3.<_J7"JD%|J-+| MMJ#9L :|:'VE@*)'XV7@LP_ \$|A6+
<@&M#P%SM26|XC2"/OZ-'F.E9';RLSQ=.REJ7<\$|1AL.VHE#+?%F108FB7<\$|7 M0W)4&|_
!3ZK6DWHB2(YJ96D|MHMSKC|6@D5DT,DO%O">-S'+D";=ID9FJO=?J' MR_70':*O-
9NUQ<%Z,A+.1JZ|: #F# =VN5&.SE"RMWJJS3AJR^8P|HC4B1TVX MH-7?7%2IN>
4N*#=WXOBJ%9|JQ5;FU|F*N|J7)J_|JFU;Z1XNTE5|7^XW5|:V"|6 M%3:P*#|75HC5XONV-
I=U@F,J%*W|3|/QIO|R@;A@,4XZA\$OK8&RU2,N)L.(M"*.;:Z?^>& 97@F(G;M|?

Y\$;M[FXL#RNF@N+0JQ(A+J0)KY_5W+)B*CFI M# I CG"D68H:PD\8PV01)%EMU?
%RT^/KXTK+XW!GXVF03*:4"!*T9ZU LZ M_12&PISRD'WL^\$FWKE;^!2JL#
<*QV:GN0+WD9>.:7:NS33JB3,PD9"8=E1I/
MF70LE4#EPA7FL"1+5[K#XS@;A.IZ0;DBI=22C.@GM\$*.'?1;8G
M9_Z0/NC'PF*/AQ"!DO:2BN(5)IHVO%#/NZ,0I<)V3SQ4CJH=P--#^ELR)C72 MGT;ZTTA_!U^B1OH!?
J2_C7)YV=(G (Q488+^W-?K"(GB!P(TO%H\$LZ&L\$VT M-RF&A3\$,PC"X1W*N%8YFVXDP'B"3:5?
2+V[R3;V@@#-XS5L\|H/S6LUK/: M3WNY,BG| Q'_22!#NW#UH2 G!@.KWVWOBSC1'5BM5NMIT
&:UGF|IT20!=WV MD4^J4_Z5QE&H2!': W 4ZK"1+X55T*A;D>)CX0KR"WZN\$OLZ\$O51H 6;J+M
M%YR,W#G*ZNCK-571IY"2E1G@=T4#7)<2U|D[MP\WU)24.62.\UK|>*UCBY;
MKI!^#>OM;H'XK4GS|&JTGWFDO)7:-@AQB\C1N\$'!JR> 5TIECL?X#XV.Z(C M8?
P=6%@P\$^"=C\%E%W\E|IRNES\$BJM#^L=W%O1V* @ZQB0%;+QFE-JJ4L^ O M#-
N)W3L"V"Y\$M%T(#B_!&X?N MG?!SL.C9(F%'V^N4@CE| 8|6|#ZH&YAF'CJAJS?'BQ8;@:WYOO&?
>|'<)X M#!Y#8%Q@<@&3X2L&S+>"\$%>7!AM7C!SXX=88)A%|\%44\$FNT9;B2S*Y#|_0@X MD3,L|)>
9&\$*-MT.GS@|YF(0|>ASA@2O=IP\$8MV1^-\$4R\$0N|Z.<8K@Y|.)#8^HFEG4\HGDR"6 M-
PX7+;)8S/C0V8Z#PH-\$!NRW V &U8T8,QV'1.JPA(D0H|^DB\$EX/"I(N1| M&|L/H"P*X/O4AC@-
Y%+"RLCS|C.V?&E M2HE9BDA*/6ZPK8>DHWL?&'?LC-Z%V-.,@?=B'4:UGG@R. >VG 7;,>M;EM
M(TT4_BLHKS,C5T\$,KR(ISA*L>5\$LXZMM9Q-[?OE%\$0V18Q!@(.+).;70|^E M&VB0X-44'9*|=|?
\$7NA0W<.,050QXD\$:93E-9Z<)LIAXP&9!
MELAD>X1DLBR9JFG%18(14^XCZ@B@MVI|^!J7'1T5ILJ@CB1 M1D&-
|N&F>|PY;.H7C=-0=; &WVYR|9V8 E:2Z%I2GHZ.S|KH^_740X@#4KN.#;J>\$
M0#T%A>U+WHNNNU(W#G1EWD)#9DR_P%.)KWP)N|\$<4_T.1M-5& MMA|
(RM6KV|8UCD;1.\$APKAVB?W%PGH**@<|91ZAE_46E.Y*UDZ%6?W|Y2;.! M6L-
N+1G_+=+>+X/#)X/#U2:&-KELE,+UK@<8/VDLBY^L #L-G1N MLQA6\DOA/I<:D|N5ZO.^1TH=
|3TN;IM2@N+M>K/2NJBMM6|S=[52ZU94:RZH_MRFMJ4+W^9H62/S3WJPF7(1&4@P\$M-V|G7|I?
M5+O2JN,MW!1U|L&V&/FF\$+VT(02PY%6;/QP<=,IE@TX^OZ\$7BKX;6UX080<5_M_&505,DH>Y_OP
<>\$A5-S"^^S.!\H./,Q'Y*!;/-#FH(#7*!OP4*.R|H4O
M!BY%6S_>\$1FY\$4|^F"E;B"=I3YHX%\$1Y3L2M|Q'6JM-(UHIFG(2@)7&W&VTM M?;F6*==_!GT
Q#1^!^J;55*|DX4!|=C17|W3PJ8U|#SVW|&-6|?>4)71!6K MX\$@QQI'@Q=>U6J5CW7--
.,V.OUQDO|2JY0+;&(V:+7MCSW M@_P1!> V.KZW|C'&8^|";7U|7;R4CP=(%IU55U^|)Z^
P#2Q./@EH,W009 M6(O\$;K768Y.7VEKH0H>6GYIA3/A"5|7*NVI|E^R!_|6/OJ
MY'INS+TL.>6LYT1#;FR\$_X)W_0@HAHV-TK9%U%CG=:O14%7L?*_M:C6;A'8* M|UH4:\$&N,?
>RLY9S#9RA27V,BIYL3+65>P"B#ZEI53I*A-|UX1R#J4Y|EG@& M
Z#|/;4WL+\$#P8#JY^\$^#MUL|V=>L,RJR8T5TIY%O-*4/7C.XRH|O,Z*Y| M'|&
|BK+Z*X226ELC3DU!2LSTGI#. EKI5+(IEE9MH4:C#MP>^E/K!;:BS.
ML2>P0<=,T/GVAQJ>FZ^FV1\N9&UTZ5VXK7.Y0CMZT'B,VA|C<_?B?
L.LDSVQ,|Q#F0/UX!.L|R<^S>FL>%;Z,?%R@ MR88,)X\$ |80|('T"!LG. .LU%>TFI_YJ+|<+T;.:|Z)2?Q'Z
M*"|X3|'-7:2G8H6&8_V\$29;^?"_X|=MI\$904|LSM?+2+HH""BO,%16|?LPH,6>2LZKJSVHPL
MM^VX*FV6E%+HZI96"GL_L5|7NUFQ2Q!:=.R./:58:/^&P08=J^&'C|,2 MU7LG|?
50"KZR.:/Q6^OVSK8_K%+-;58 MRH-5.!,K|9?
5P)XHY+RY>C3|)^8U.0|B2J&V@#XD^%J510I<49N(71#XPN/#
MYL>|BT=^D2X6*^YB;H75#4.9B%?Z2Z^=*<2P|8|@E(2!|%;0| MKD|&4:P>A)BJ1N".O>YK&I-
%J4MAWSD("QG=S-|E(7;E"=*FI>4?"A M!87F"ZFL<<3"I#%7F-1/E"45LQH2)NTI8=+."9-
ZL;V.#&"88N"(0-%JU+7 MGY,|>.:VU0L;|<&GH8N|:&UV%|HJ10WUO5|!+|#R'NQ!7K_9H|R,X|<|*YS!(P
M&H'!G8_6'G|5#*6EA@!;@-HB3KMB'7"G|'7 "ZM^/W|SQ|W'VZ^<<^#|U>W M-| ^N/EE?K^^^_/U_?
+&!QM3<^/B)4EY+<\$#Q\$UX\$EM?'A&9X"M'RL3^%#82
M"6YHQ%7^,8N*!,|!"%8DI=&)%|!|HDK/ 4_BIMUX4K%@'='G&208*PWQ^GVR(M;%GZR@ TG
@DM>=ALZNL24^4#_9NSZ4)Z0\UQA;|_".P9UGT1P@HA:B_5X MYCH3+&R'E;5Q&/2|L(%)_%
<*>'J4Z|M@SB"20FVN!WOFGCL|VBR|Y'CJ;YC M;M|HCOL2/,"?P;*/6J>\$5&S@#A\$YD\$-@[*W;)
|L/@C"\$5T<|2/J@=87(Q^; M)?!|VA;|G5_FCFAT5| HV%T3^0W)VX(17?*SK/T|V|OZ(FAIN"9LJS9(A.SP
MEU0(V58T|T.G|C|J(9.I-18^GD8>*!%P;D?74# ?KHX 1%OLY="@_!,\$4C MV;J/&O2E<(2|
(&|&7AL!9MC4|ZV'_Z5;*2D@>)|%|3_*\$IDV|(12_7LXS%V M +Y3?>\$LTO148|&'TW,|ALS(Z0/G?
W1,IYY;KOPSPEW9(70Q9YU+9"&OQ M |F6|>&T+97I9J2<%*9\$(IE&\$#| OTI/_E?
@NW#QPDO@I'+|S|6|_ M+*FU(*BHQ2.<\$M>X#<5 A*AFW|5!|SN=(?|&B6PIL105G|2+;S@J6@?
ED5R_J2.X9++1'_+8E7\$47H1M^C M*3R1OZ'P.;\$;50)'O,79._M_=>KUZMNO|+SU\$788A!'|5'N+K|S\$
M8L2A_!H5|5NB|KK+_T^""|3?Z9UX =/_3& !T|_HV\$X|# M_3/1P\$>Z(OP*FVZ%#
|1^6NLJA?'W\$JX*8>'!60WP3,?H+K3%LSE<-?K)V MAA_8_' TA6;9(K!_4("OHVXS<#M,F;?0),
(B/'YB=,?RGH> 6/T|("I9+ M74E|8\$&B?ZQPOR+H1 P>
":R%|5:&4RAKD=)H/2GM2@_!_!H8QGX+V|S/DJ M0-B\$KL0:6-DI^F+ZN>Q3Q&|/ #N8HIK"G K9ML-
/#D2?VD:1"B-"U6,)| 1 M22E;:-8%~!@+I?8 \$S0|%=,>BBW34|T5%R;EYF>BB|1-3L2P|!%??\$EY69
MB3H5FM6D8CO/H|R1=H*JF,?^ K?'ES^&=N"ZR7G36;<1A0N MP+;H/CU Q+|TEF0.R+@YPJRX+?
O:F)&0W EJ%FJXQ5|70SP#|SIH&:#7 M!*" \$I_!
#^+"Z|Y^\$C:B.Z4R*S^U+2F_8<9/F=&Y;&JC3|90A/^ (71&A)EH,X)>YR3Q, A)B41/(%SR+X\$3|O'>/E
;3| \$|=4Q.|=7 MTE?FITE|!OK4U_ \AX=0/*"2)RT,.;99:Z6MT2O6@G;LM/C0@85D_ (%L#+G3 M#)_&
<)>YG%W\$%#O*ZJK7^H|D4;\$?/N,|+Y%YMT9^@(%*VU M/@/.6|66K:Q: M|=8:3?
|FY@7QM5|9HW7K@VD_L;#;?@IM,"0:37H8'0(N1YROCUIY<-FC>|Z-1 MXBNOJO5-J
(8^;/9A8OT*K&ULG4E00/_V|SX-ZDC#|Z?|TG?*BP0/(5V7C M6S*!"|9'7/Y=|W'ND.C@7|+_'HU
%6X2D8F=MC69103L_KO;P-A_/E0Y= MV8B7/\$Q@W"!>GM|3847!

(Y"!(S2O:BI*8I\XJG2+O>ZKS":1(!3\$4F4!V:" M-@;8T!U%8RPR1S6@ID//06!V=
<3!G#Y=.;5#;F6A8S";;1\$E)6 P\$PX<%U M\I5WEP=@P)GZS/3O:5C\8W2#^;\$.&(UN?F\$!:-T-
A1PQ,&=MDC"J*W"% GSI M(IB!)NS= Z#8M@3Y#I%GRH%!US%7>!.2?
!Q4!O9HCCU@2(WJ!>JN4"G\RWJC'2\1!9"J-958X7\$4^@=PLDH"S-P=26F*KSZR+"7*05E*V-
)7PI0#"2"A MM6DN<%57X\%R:HN:N:46C@GRCX3Y_?#&T00*AY-N>2U_:(TS:F/";_)! M8"?
>X)0'<3QF+8B8!+10*Z1#J@!\$PC0\$N&KOJA'-^;H)!R5F,4\$A\)\$+O%, M"X@R)@R O!-PK!/?
2QC,OISY(!Z#U\DI F3\Z@6@(TNW<00\Z%7@)F\#!(' M/-!\$N>_./YWV_I&?Z"-A#DF+/X4@N?
#,"JDH@5_!<\$9@E+A%!\9EU?6^EXKP;+"5&N(T M46+:1IT6"8Q>3>@A-'9H)I2* R(+O@?
90H(38U^WUP5DK4*,:M15UIU^:NK5 M318,ILCP(GQZWK0;@&,"SAOBJ^_8KR1C!7.(1B;*.T^I1!
!\$0%-L=#Z*KBS MF)XHZCY-45/?F4'1:?(ZD\CEX\$WWDYZ*/>+U@6T!HI5P(+T\,EJ:+;!6Q1" FS!
!OD*:01D;H&_!XG_LIOJLMD^ MH5\S^D=2;=*E^>SX,#SEN8+3#<|<-V!Q\VKZ-WP
!HI^_EQ\^8OTI7S_IWI^Y)X_G32B,J7*@\JPHEQ_E'^_7"'HX7(5P@UH8<M%A>;KY\ 4N\$DTTVG,&L\(-
OH4!@\$.JVN:<\$95BUCW4=J'2S4-1K5_\$@7XGFI MM3NC1(SAU EEI?PVZ?
DW7\4D8Z=XHS:_C,KK/*"JV13P@92.4VT5/-CJY?4T9 MOE9F\ZYU!) 'Z ^-';(<8K)3NL\0#):!HN2@Y=-
'_HA:13V8_XL=6S.W=ES^ MK+WZ7V^3\$'\$E5K=SIQEK?|>8E%0;\$Q28GGC\$-
W0MSR;AS\PI+K55_-7X0:1 M84;H5;L@:>^,>("\$T%WQ'G4\|J^?
80L;RA_1A+N_P41^L=6PY">L(T,@_D M2TAF%0A&)(A4 !%)HVJ>@9Z,@6SVGFF-'E M*1+ XTFB(&
<-5IVEJG9JH%O-INI*\$)G1Y%>|L.4LS\DW/6U\WL+V"6CP;Y(_ M9% CX< G4Q8I7=\$0P8!/I?
D&Y(O+3YG&8U#MRVGYZ@1-Q4A6/ &J"H#V5Q(I M9\$
O)OO9\YSS/PE\3!%E47B2;K:*F\$%P!94H!G!:->ZZEZB'LI"TY-)/ MV6S.P+U#|?E;YNI05FVJ2_
%I0='T0QG\$ _I)\+^NPA |OVM64/Y.2#^;THFF MOS@/6!-
Y;S*TA902C%7&8.XR<:5*;EFE#JVRH2BK4U5+OU-8=:I9EI#B)^PN_B2JIV\2*E\I=H22^O
M<9Z5VPC=|T:E8+ E!G^9Q|?#?29;CYOLVN,77>3;N/;|_% MB"UT04D16/+J.1AJD+J^TFG1
>+POF."!X\|/2MH6W_Z++;P)TU?8\,ZA\ M51TRY=U2Y3R;&S#LM@USF=[*];?
L0.CTL3@K=H,|/%H4;R03*\$_.I'32>LK!_ MS-
+1HOIH8\R\$)E)6D^,R9Z\GPAC*_G_&YJ+D@ARL'W#K;|5=4ID)PY\4\MX& MFD_Y7#^J4L=FN82Y!
(#'6O6HVU\EL+;\$.!70\$;5DM8UI92&\0S6W8(9B6BG& M=0/(4S4O#V@#\$<|=;Z;0;ZTY@;G4K\7H\I-
R;Y6+1GM+(WQ;C2/25+/X3VJI M@VS8?U(3@XOS\W+/ /0@FM&Z+S1:5S^PF06\H>FZYE)7&;!
!,GSG*">CWL R9 MB'H*3=/?%VKUTG+*?9F=.A!#JEKV;6JF>A8'H<,!(U\5;G9G"M-/X;EQK
M7S3V@VMKZP>R^>PAZ0??4F?>1D-3"DY\(\$,0;AV\WKQ8\$|&* ?QB3&SJ<+CV3=E\$ MSQ\^EZAC9
K_2GDAW%G_ (5/8X\IP,6\H0W)#=|?F!^6Q\$PRF'1*FU>Q6K6UP MK33P.&9H5RA"N*|MK
|>3.,Z*Z\$%)I_>N=??YN\J':E1;KW M\;/63C6;2Z)W#@SR+92RAFQ9IR.NR!\HYS^XH&6DM9+1E5\K-
TK;_F%CV=- MO6784 V@|\H.LAS=5=VA-7PJ76CB496X\|R\$'A3OV-8^A%-|(^M%+)&DNKMF.%
M7C>9L?<8>(^\$!+DY8PRN5J7=2IM\^L>|_MZL=ZT\9PPW\$D^TEFW)?&.2;JU6
M22\M:IOXNEJY2'_%QD;9L\$|M6LT3M455'9;X)ZKC?|<>\$B=T_%B(HVW5_HVF M?6%%P\0
/8?:0UO:'@3=9LVTZJ8NEWMM'<.F).UWX13/>8U8UVA;|.Q:Q7-W:L41M=;|I6&
MZ:114LBQOM\N8&W4\!+|GBXH>.NJ>U3KKFVL&9TL"O=/\$V69CPI#WR^MB=FY'T,ALCSO
M=770?%)9 X\|=#Q),_290;\$":^M.QT^BVKZ?<5%RWZ\UUVJW?&W?\$_HLDL-?1CZ
M6(D^&AMV*C'T8>CCZ.D#_QKKVMPEH(%==6',3AOSJBY_./X:C8V?5Q5DBMG
M6%M\T0N%\$XE^40GZ7_3=U3EPVZ\|4@N3^?)4>|H/4:2R0(P':SH15DZ/G9#J M# GE<5RS
|L'_6%!\^\$C!L!>.)P.IZY8*NCH" ^? M!1!D7\4B?ZH"YT&., ^? CHX91">8_V<%P#&|W.;>|OI>\$_.)\$+V
MK+,HX\$9R\0XJ"?_OHR5S;^*P6_K5U\$TOY29):!RTFX-ZYW\0;+0&3K05J3>=:K7=?KVYN|;> M?
_GHNKS_UE7GSI8=W_|JZ\WUW0:C.?>ZQ-3+@%_CZP/P_.3*%(# M\;|OYM\$+C996'MT_!|A9'E
\$@@@0.\$^|48UXCGO8NZ&DG)\ZPSQU\43T7^S M\LG>_>,^_/E=\$3;B^*_DJN'23@MWJR1P,
I1U%)A/8""S1GP@TE@_VO/ M1\/-H92;,BTF#KS%1&|L&4:21Q1/??N&TDE|_USO<'L|
|&07:@J*ZKEQ)QF-OHJK- M_3@OYD(^7*WA@@Y0"2KU;L+L>QE>,"*I'Z
HE93+3F.M>|SL6Z2DDJ1@Z" MS8V3L#=#TH@4J\B9Y/7GVZWHSP>(<F>U=M44" I<0+
(TU6FX8L.P,+TUBOUV M4\UJ#5\4X&FWJ3GB568\Z*LL6IUC6;H!X-S\TN#MG87.|203@^,|_FY@>+A
M0+%64C!N/;&U1'F>F+8WG9= X@('C& N7I2,4._%LF%LHG9,Q@9622/ PF.(UP4X
P'O.'?2\#Y,^^N\|@X\$(X0&:&V1;|TEL M.;&P_""V/?DQI0=,*=-|1F"E^R3"F2B1-7*?
X\,L;VQ).Z\$WP+QZV.G\|Q\#M";6(3*#, MK0 KIN_:=|_T>J;HN57X@R<. AA:|85"2<*>,>SXA#V*-
^*X>2P;SE@)Q2/_MPD_PG\W@P<|RDEE^\$X6C#DZ;,Q'C!|H2>A"%E *XZ#X\RR0B#ZW!'?3)ZDS
';R<_J!" MI.'B4!@/D5HFO.(UN8QS;"\$71)ALRQ<\$"@?3?G ,#V7N(F>+!XF7OF+C>H\5 MK9\#?
M)=PGOXNL2)BO5^*H>V% X1PL" GX^H1#G\B4H2(ZP XMUYC1(TW@
MA3_BL>##+;X%B4N\!%8%)9K+D)9J+!C"/1XQSA8T4D8(FK(!*QB7\$8P!WR
M."D\$@|G>R*2P9_Z22^.*L1DEV)41O5ST /&O_Y\$3|" \$5B?TM8 @PUPQ+8 M*GR_T=@43;)C>
(#*7L0RA\$X.;2X?@S3*SVW686;K>/C'PEOA4X^+;3!%
ML\VIH@S)J+46C8=0/8\IU9I4;_GK\$Z)2H:(E3K'!-2DO!R:-6W^8T%M2AY? M"W%TE;H=E-
_!"*54^/_SS1VU8_HGZ4E*7"L@\$L1T:C^!I3!.,#48AS>|_N*
MADC*\$M\8GOBM\1_|I>J64C,+F\|S6&5&T=.7U1\|_%4K\;406*| ^F1!6R\+
M2N<*PFKXB4&:1\$X)QZ!E.YX."EZKGJV5E1DQZ'B#J,J'6&,43VQK#!PKI@>Q
M.=68!"C^5Q0.XB>' \$J@C@JYME/_E#9T2%7,7Y,2\U.AS/H58Q% M'893B<+|I/H2:"IYSAL.8RL#U*@,
HC+05_::RL"2'=%4!NZ@,G_3
M#6P700G65.2RG+MU9+|X0^OO^H\H2R<=S;K.WIE@,U;&4H;:6>./:DM-'
M\$&#+!#D>6.QIH3\PDEZ\8L'M3>FPU4HMI_.^A-*:695%,%A1@|_P M;O(H"-
\$8A3L:T0W@!:#K"LYE6Z2LJ@4B::O"9;BQ\PM+T\UZ=76+S_B!?'T|_M_A6\$+C
LS^4KE2!5(:8^>XK@9+|_ (A='NG<-|UYN-!6F\7QG+2\|T\L()|*39G*|6.J7,.UH'N451GW0V#.#|';\$8*

MI?S0Z.PC:QE\B-!V\WZP8[-+AV6+C6N=BP8?!\-8-K:^\+:16U?..T0-+P5-M:_%3X#\LE?3'@_@'A-
^UAMVJ+N\70\N",H,(\^SM"VVZ6IH&'P8-JXD&GM;BC
MEND\LOP6_Z3_\$\US55C@H@="1#%%S4^LI4BKLN\$0UA_"M/V<|:=5)^F@8;!\-M#8,;RVVORN(&;
<>+&R\5E#&0R>VGH0%,A*:
M\4981P2P?:"",CMRPPZJH(1CU24_3&GBDBT\$HR;\$XWDB6\$V;:@@OV_%"/!N6^<M8!/%(>;A:)BZ9?
B8'ETX#W2<4+1=V,|*"8T37B=IX#JX\$5(^4=C9\P5&^A
M,XK2E":JEW"HFO!6_DWF,|D\$/^MI&'C>Y#QX\K\$>*[F'.W:=<))N)(GXJ\$;
M\|M7B%>O&M^|\\$.!94\|DU)0_QM.M=G*BTEPY@)&/_TC\2&#I<'!H1CR3F11-ME(9RW.*
BB1%+_-U4C;>=>|2Q?;#)-Y\$E6*|L\#0R@>,'W1D\6A>*\$N0Q\K M.EJ5>BM?
2X\HXJA<0WADX#X*"Q,"Y10L;0&7\|P=#%Y:X=\$S\XWU&I\TBO* M=@:NS/9T'AW7DR.N1K\|MV)W'
#|S<8%6M9J?!\S;W?R%\RP_27ADJH6>"5CPE9Z82=K@M-!5TKI+QS*O(NPHLCD-MW
>/@FB.\$GN**\JH0E!&-C"#^GTA>=,|)^A\T1T:GD\!%|2\!&K'*HZ6#A5
M5<5,5N.B2=71<0AH@-7:Q#A>-|1'N/:9,F/E4!:=|Q@!-E*3^7?|!X)\Q\$#N'U51X8H&D80Q*-
Y0>A3@B5I=J^TC_^2;S):VDK%,(4N M#ZY@'HW42<2<5!213.5&>40!4L2HQBRR/N\29P\6Y@)H
<\$INE/2&^J84+: "T M(+/+%A8(>UW=G\6U3)*\$38_!\$2D%24S/#A)F7 @T?P(W%(!\$ R@KDS LUQ0
M3|=3L#5;1>Y/75\NOXT^|!1%9H7:6D?3^Q?KN\QA_A6ZL=,\$^Y1_2\3N M8G\#
|%'S@KG)^R3'FIQD:A!!#ES.ZG9-Q>MLMY<*D1!%YFI#*\$,UYXA_3) M&49\K;4@J4L5 "DWC!>JA(Q
3R&\$!&|G,F/_X5,/_Z)JHP5_M^_)2&=0!-BE"U+!9X8K2CV\1I2JC+"DDHF\|DS_|>2\$0-
0QO4FUA=AP@-0? M2%>I/T#;:<8>/O:0./B"\$-11"!8BR%0?^/*=HFCM%Z1T+:R(:X4#\|MW53R0-NG/T
M\|UTV+I8#;S6V"/42=.^2,W6W6\A?V'X"K&M N5=|E,@';4&6J^EJ:2-2K/U
M\$|Q\$2@663\$140J.MTB*UZD(*N:(%JLLT+:E'((5VE,KM(JVH&9)U?C|+K|_M6+B\SO+743D\|P|?
KFEX#+\|K2\|SM#CV;\8B%Z M? 8S4++O\LT\TD\B:271-
_PG33&)M"|TDWC9(YIF\$B_93.)0K+ZO:2.D8_;M
M5J=1\|D:JTX2BCPX\|T&I@%4M3:"XJM6H\RF)109,@=!\6::LU90MR8SUNC(D-MH\|WO.L8*S7*.V9//:?
D;_&O'?QP*^L9)'R&#)2V/)V"|:-1>Y(W:|K11
MRS!UPSDX8B"Y6T@JZW\$&CM69"&1MUL5C@%D>8'Y(T&?|/^*H0\2^Z-9T_DUA
M)FW\$V2(#\6A\Y\|)PM3*+LZ_Q-VGC\|Z#F%D<8"F1+G'OY:)\$UC%G'&TN\|0P0M9WQJFX5HC3?7(U-
(;W*.;JW MH^XU!XHC BVX_RZ1(88^MJH\93AIP7J)45\$#(G(9M:&*\$6U%JXU%K-BK Q M%F.Q-
|7!CYO:1D&N/U_OEINLM>ZU>ZK0VH!!#ZJF>(X=V_UW(1CK*OGU3:7HTAR6 Y&^C'MI6+..P?N
MCS.Y,|_::?3D205XF\+Q7JMZ\I%JQ9?MJ9UWA;O\$X^Y%|X6\5HV\6 M;(N9X8^)\LM/\$WEEBY@
*B\|(>I&F(+KCCB?DZ#JC,=A\|P_>05\|QG7\$J%:Z M\|C*F;C\H4XJ?..0A%B@^!^2S8I71-'DHU#G" B)\
_W"?>D3_TP'B-|MK;40FT?%H A6ZZ4B?IME7V4.YSV(;V@-1?^!O_?HA%*63SBG5TER;5C
M\|HJ\Z(>2S=(^|<)B_CB?-TIYPXJND1%1^/O'L93B%T"9ZY6QHE1O+X\|QX
M'HIF',S%"G@DCPC'.4;@2ZJKS7#"8U5U@;3(M!%3YI MU_B)KK&\$TJHTU/>'GV8!HSJE\|@=/(@
C1)Y\$|SW7E? (JU3O\|B_NV#@DYTU M>::B#<\$Z?^|W QV.ZC\|S6@%*"71HP9JT
_"%,38>UG&&9E4JC>^!3\IO) M*B^97?>3^<2_P@UH1-Z82^2MUA:(?/EF=,4TL\|L3)"6^(0WX,
0"D6J%F, M9?3!E(87?!6QM+2M7X0O!FYLW7JPL8^<)7ND?;#&GW'F.H!"2.O !/^A-
MBM!\9U_%SC.9QMD;%>M:F0CYH^/CJ88JSZU.0G\+HO@|S\#I7B(2GU)-XE7U
M@YAS%;7)Z@G.'=.8S\U(YP\|K'Y;Z8=_7-OD04_\$ZZ\YR(W\|/04VDB;1\|545Z;.*0M+P2!73
M>2::DY#^6^4ZY.F4VAC\$*>|PK=.:LLUFR\|IRHJO/0HY%2B\8ZFRL*HDIIY\$
MUNO.5\|IE\$^9TB%R\$X\A/*O:|76\A?1+!8D8RN@K4RR_A#YK6F5>FNIEO:F MNJ6*-
:..B'6\|1%B8P8L&HR4.A:\|HZR".!(I9):IC\4'TW3%+-+@&RBG4;:\$
M:B=A'0T+!5T,*^N\X\$S:5>^GO\O&#K\609QH:AV^4C\!EW(5"CT\|QC*_@0^K4_>(5X%/HK=?
XXXIO!%-Z"?|MGBG&EFU+YA\$7&?|+G'1%<-7XU\$7&IYQG3E^|=D* I('CTG"H+X\|>3Z3Z"HD
M)\2(99C9538+R4-MOH/6*CZOPA.=8CRW:;|V..1Z\AV+0Z6E\Y4'X(F2_M'9_HA)
|+>"!H3N6&\$\NY@SM: "@R^T1LHGS^"U8BUZSN9L\|T-2H^?!DK32 M5@W8^BC*VD?UT^P.
|+L\$+AE?S90BTC7L'.>.S7543V%#8VX)XPC^S0.SNIE M=D2\$'8Z&?@=CB5HJ@NP=M_!E W\JP=:"
<4P>\V7\2RH@JX0OUR3KG7CQ9 M^ZDH&W"AC6_7+Y*"GT&:0H 3C0
EB_6:EV\$>@N2+W&&N\B1KKA M#G<^+G'3;N;4&N83DX\|\$*CG89_?OMB??
|R60X"07\Y2\|FTW5\|JNOGO> MZDPY4+"#\AN:T*"HY.*7V\$9WB#BF'V314FC\K\|C:9M-2,@XY
24+S5&+? M"#OP\8%>>K\$WD>-<28.\UK*\$"F9FU*\|T383_:6U:N6\|^438*608_JNZ:X> MPH '\V,
%7@W \Y-P\$VU5>V+9.M=LIG+5JM5)E#_LZ8S@OZI5J:|TQE?.6 M:EZ/3-
'O:\9XZVY@+6MP)N+;2<+S#FI:F;&FWJ.VFQ8K3IK7 M89/Q>(5WV%T^<.ZP\N\|QUPN;CY\|C-?
5V\|HRK7.\W\$|F*LJ-ZU:XV6 M847EA,XILZ*UU;H!_=_AJ75JZE'D>&*^T;4(P0M.?B
(7J_!69W30PO!O2+ ML9^ISZW-?@X7.A?MRKHSO+US^H&)V\$S&P(^,1E\|AW@@B-
^U.^W.9BKS RG\2LELZ1P701KU2+GB6@<<9 MA/H1H\JN-|85CH9%E\BBC5:E5BIXEH%%G(+_Y+
*GG3ZF-28K\8MAEGWM_|
M^TN06&6F^H\$OYG_N%) :DA'\$_+|>J;=*S@GN7@%1*#&TNIUN2\$E!0RU;4#(<="M5LR(PY& MD?
C@1DZ\$;7^QA@XV-CFOB.Q9L_'&A'!*Q50&W8+EC+P'H.72_&B9JBU?%#MDOY;:_V)OY;3-
U+6IT\9_!/?<3&3-0>3_5/\$L\N3!EQFV7":Z%81PV)07, M9LS\6,P_@Q_EQ0\#OJ4&3QG(I
|B"P.6Y<)^+NBLJW7G;XT;_M^@..4UBDV M/K9JIFU>3;F)IFMWNHW-S+5MW,X\6.\$O1A_E0X8-
\$@|WB0ME\$#_0\$;#H V# M7IRSV38JY2+A0\!Y-AL#/U+K1C))Z\>ZB9D9)F5%2*X&E-'6S"@I
M.TIYF00-4KJ\$%LN"SF_@F=H!-D%TQ#?=(#V_!;FRQ@6C+G_W0LK8;-GE::
MDVG);%HR\#^3\$MFTY+9+H\|P+LV+9D-IA\&79N6S*8E\PIG7V@QFOL\|T4 MU:YU\|H%VTR1TK0"
<|MJQGV-)YMH";A@^=%A\J-HQ>>\$E!<|ZO5&A0\=5U+I MZIV%+K>=|V3>-
ZV%#N^I4RM3NQH%L)F_TEB CZ\>_!^|BF,Z)(G%RE6KU"|.F MI*2@J:|=|/E8=!*#&TO)MK-
A&UU#MB\FIH9\|E)69:>L3YU:6Z9O(C\|P".(1 MJV&:=P@XW*XBFU:H'5@=PP%"IKH.

<+!V^&#|05+D.V)07^FK7L9"M4;N,M|VN^W3
/US(!:ZW1=M^8R|N"2K52WRU8RL^T#5XLQ8O:CM^4.L*4#=\$F\$|) M4?B@S@.U^9H-
09A8QCS;R7SKWFBYI^!C:5D6|^P!90AVYQ|)7.Y49UL8V9%MZ|B| M3SRD, >K&;VA\$SZ(4LPJ5?
W81\$;JVZ, M:M>M\$3P6JCV%#A"?E_4-7%>C-#W.7_9JRDU #;MVL6&)1ME;G&_)PEQXS^!D MD?
+A0ZVZMJ=[N_ =TD(O!TTR#)L^<3;=? FZ-&SZ8-GT2TCM(V?3B^=1G\$C# MV
3LB^B|,S^OD_@#EA14,G%+E>Y6N^.,|I-N>E"7N+NVF9/J^W)="\$W M7'^F"
!GI0K|MWL|6RR^4\5W90EUGZZW%#_ZZ#(:!(:(98MJ7*:8|L5|J MBDC=S7J|J|Q^<97W*7-Q^B|U+
|>\$N|^7\$<>C>)^P!B0/KMJMKT^W_L+MHM|J^ MVT7;X-HAX5JMLG:7+H-J!M4V^ Y0/JR:((
KAX1KM4IKW|!DL+F6JENH|^*:.,E=0.0S8E!68&/4#N/|,WF5SB_Z35?2JB-MPM\$T<"D?
7\$RO|S)^!;AE|USLU QTTV/=|%@_#^!4*XT|F1T&-DO)QO0X+RMH
M@&SVY\$DY:/3|!@W/<9+ #QE0JP|WK_C(86-Z?|OP&,04M_@V+;8/&S352NW"
MP*:!2.K@81YP!CW'\$24=< M5DIN#8)P6I">FMOMK%9MK|ZQC?
@A^EB^0.7TL&E9C)#2@H9S*!L|OMZ\$S1 M3T\$4H2F:2DY,% "&!:F/#P!,S16LF:."DD-F
(QC8|^K%TG3(*"ED|I=0=>J6 M.,P|GUS6QUEW#7^AT:5W:'T:KT^X5)?Q|UNP+(|AUR;CR27. M)?
G+6HU\$|9|N_@NE3FK|0148MKJ9BTIKA=V|54F=EY3*Z3Z*MSA|X|Q1*1CV MAT6*N
"Z8#/:JDWU^U&:)\$"/:N|ZW;YH:9AR_D(#U7=O M/AX50&N5|H;E^0:>981GW>YLVO7# +24
*W42L=PMYJ.T^AY#.4V%_1A@ (O M^A|MT_1_|>|SBJ|^H|D_>.:D/4CYETO&(VP= @Y MY# #P0.L.L.
<5Q14?|A*D@M4/\$ER>1-8/R/322935H5M\VK*S4? L-RTD^ V M;F??6NV>WC-D=3/@GUP<3(|X|
MOX< ^BQGU6|X|F GGC..Q*7ZE|?*>WZ!\$MZZ>W("1|<7T&BP-U)W^_ ,OWUR M^ 'PLM:M-)O-
GUZENHWL/QK!7#CY|G?NYU*MUK|VJE|L.F+ZD_2F1K|!&+ M;SZ^1W.09<7;S|!\$FIT;PV.KU-
A=1HQUKJ)ZPZ0X^|S^0J6Z_>|I_?ID^| M@^|NCU!"MP8OAWTW9YU+WPQD*T6J4%4|!#Q;>J1|PX
Z8:1VF+5(N|>.Y MX/K<" X8A-8X"<=!!%|+!A803R_!.(+_*7Z<= _U\$NRMA=+=!27MG6W!OUGB>
M|!R0@&WVH>_('!'1J?WUC;9AC""FH;?%;X%P?HW7D |C'\$3Z9:1_!&48+W M5|31)R>"S_C(*W"
V'+A8<<'-(*)<.@6|+5|_1#^3:H?0C'&*9KP Z/:?&R1 ME|!\$EC0;GI&|AN20_I9\$KFKVBG;/+ &://<5#>5Z
FLP=R|."<\$NZE/!).U_ MAV\$F(Q|^\$7THG_ GS@
V>^EX3|XD00:FDQK0F5R|@ZK50+ /G21Q4/Z^LGB^_ :K|Y|(|H\$(G@/'^0D,>?=BIQR%BQO=X^S
M19?SZMUOUW|^N0|VS;|J>O_?5U_6->?OUU_O?UZ;Z|MEAR|;\$7|W?" Y%&U_CZP/;M1+HD@)ORO?
+2:1B^QN M|K^*G%P#Y91HV;/#03N
M|HG;:CEW|9RPZ)>K3=7N.GEIUWMNHI=#L=SEPUSEUN|RWHL.8#&=(_DJFH
M^Q;U4('=UXUOO>9I+S'=5979^PGH^UOH|\$VS5%*"IJ+ZK|IMP8TIPD: M8P?, |3U8"!Z,NX-
?|!6*\$3"XO_G;I+HPO<9D#4N%|T|^+&@;FZ|!4&F8\$;DEA.^/B|S(OJK/S^IM?A=.E(1:KMSJ=41%%;-O
M7@JS|)C?AB(|XR|XTB>\$^!8K^?K>&_L|,M)!% ^,!BX|9R? M+;Y:
|:|IR2RY_8.TWDE|,MSS"UBG2U=!.M>^:QKQ+T*=J6RL;:M|^!^!0SYO@.V),(:7\$U_>%8#0'7L"
MBL|)@G_X+CYS%|,Q(|J>11N3V|/%&6%G>=T/1BV%-W),3J@+FE1\$'_I_V|+I? M^
<096%+ _|ZVL*5%|H:FGY|Z9?F(N&|)EY?|OT6R|^%+C;N:MONNBFQPO<#D8B M14|J_ UUS.6O
KRQ^8LWO I?|-5;/R0QN^86\$^Q;.%GBN M0*XW!&*\$*?"(F|\$N^U^F&B%_ U9X^SP"-T:VI?%M;)|E
|4L@?"RK|G; >F0(M OX<6G\$(FX;:)|N8F7W7|01".N,8TB9AA!TFH|7:JP*\$@/_ =%SV7J|_SG>2 MIO!WX-
G!4R3WXH"6B-2^R|P^H*&>2-O+%;|BV-PG|/81"3^US5-6#&-KOSIH
MDD/05A^&M+Z8B(A^KKW%CX52TNF*!^?GX^0_40|=6XY?%R1693T
MAOJW^U18|@7T1_!4.EGN18\$U<+ &F02LI%4W0NXHX5M3+I":NFA_8AO\$&QH M&=_Q'CDC!
1^T^HX81!EMT^/N&&C-H^+6C|15NG-48.B/"LW8A41JS(!9)V
M0KQ#T#;6J8P^!%/A&I298.3VK+OD^M&U=Q*6P^=553K5=<8/9"Q6<4-5EC0
MGXK7)C&0P%</_ B4)K-)PW" 1|RP%TFQU+0&J&CL MR_Y(@R3&MS2RL>F%(&&3Q84A(7I-
U\$.P^<CL:KRZ2|1N8X?+|H0@XL(8#IP;1C)M3L&4<MR|(!|MH3GBY5CW"O261YP-%B!:"\$O03\$ _A=R=
|3_&|2_Y>(@|'|#|=Z|^)82 M|SV@N/ CECHXMO,3?D-JQC|B^DMOQ.^Y/\$5)Z0CO^Y:1J^*+2FMB;:#U^RJ
M;:U3;X+)|@|8_HCO)\$0LP34>J=9%+."M;_97V!7!"L9| M9YV:D=BVJ(26.0X2Z1/#2J\$IGO?I5G?
=R/|/2B4^5N,!!FDI\$9^(E^C3|E# M_(!S1^G+U>!WTP_ML;%GOJOK2A1"
(404C_HK^FU)C%7NS43(#Y@\$|)M|^G%)>'0B^53^.:=<|75%FKPAAY2^O0E|0WA?
M6CC8@@FQG3KG|832+_U|K:"1@^LU 4,B7F|L<">>%(2+63%F81=1K2FE5W6
MRJZ|0PO3RLZTLC.M|/9^1-/*|B5;V1DE;GM^U>E^H+6^#S^NB)M6IQ3I3%<
M)1^99^8<_VE*,Q?;JR_R_?DY9K0<)+VVR@U-MGM|17)PB&_@76"/!00^|3
M3YZ(8^06Z7T^CC\$ _IEX"W1D|^>_#^4H==^6+SB#SMI_9^24N>8|4
M4A(V;IXJO,X4WB@*^+M1EV;TYGLBC|W_2|RF^""+T9Z<=>"K6%|_ZW9E8|89M M80K@X##!E2M
=,"5\$^B7, M(+|V96B^HV/%1P|@A*&3/BGED?(?N1E-5ZR;+"ACE|^2R!E1!^!)?&_T/
MV>J.EGD17VD;DVD|;R%@^10&A9>X2RF&QTX|W;E#C|_S|L2_."B/LSM 6R. MXV5!;(8G>&(K@:T?
22QD4LXT%PZ^*.:0^GMN9L.)O&G MT4EA|B=&XW|)N#F.+^8N3;^D>.?|@G/13
M|42CD:A(5KRHVZF<7J=I.7@JWGZ6_(!%#C34C@<6>:("\$ _=0+%%@O_"/71W M |M-G8JSR(+**);,|!
72=FT/%?%,IQB=YSB6Y\$D"D6*?B(N-I3.W#>D1^Z&_MZ|5N/8J_7:C8,4F/P
M\$#HC^"03!DN9^X&VE^W6SC3D))2NZ52^\$D|??.X5>BH#V!")9SK 01B9GNE M|1U SGGH3U?
I&\$2M@,%N2_)2L1?XO/XD\$CC@FXL2-B*B5L86!W?0_"KD5HF MRTPF589G|_TIR,S^*15"WE;:^Z1
H|+O@7CKU5J;C@-J>=7&VY9Y+MZ\$0|Z) M%|LR#*Z6|D&;CR(GG.2O-!=XQ25G|E?3&E(FD-
/|<2VG)Q,1MZTHX^!-O\$>I#_A4Q;B8%ON0&^*?MKXP\$Y:8TY.2@_GLQ4 MDA!)|5:~
NUD=8XFUW0L|M,MY&1BWDTEP; 6|_Z>N-N&KP;_15^G@-!"7;6 M60%YET2_|DZEZ%;Q/LIP-
_X42L)B|5KJ_X|9;X2*-7I (0# #U>CVXPP MWD58:6L0UY|MBQZP5XKWR\$?K-
3A=C|4\$7J4W;6:6^J/A9O+S\$) M,*|D1>XFA=K4|A0_)XXQ M|H1,FS>HOTH^/H,Z4AKVQ%
(HO2|7/10%6J|KLVSZG#B@Z^0_#C0\$@M&"66 MKPME2A(&F9/D4<7S^OBK+X;1#*?Q|39MQ?
Y/3B+P)58Z*)CO=Y|9^\$7#|\$ M1N\$CUU4|)N|6XQQ&G^AA)."ID'_5^*

IF.A68!4#;IGH\^TN\M_QZ\$XZ%(M(NN#\$SLSJ;N4)8S2/"=JV<7+N
=&Y4,W#A+^/HJS,:3Q^IL>1(Q00_?R+\$M4@NY)L=E^%L5Z[U<"#,G?
MSJ=^PP%|H984VGGBOJ;%,>_&|S&Q0.>/E4QE M?XPO,X0*7)&:H:9Y O'4N>-Q+DNJ(RAID'<-
+M.@IGV#F)=/OB+9R1',HD3R MO\$\$(A@AE%/+IUK!(?2?
6!_G"4QB_XD|JBOF!A|HO<4D9A.92S#T|Y+KD3?UB MT/G6?%^*^*_F3A1=,&LU&@BK2U@A>9"
(O2!95^5!'X M|B.!.,,;_*G\$|>RH!EJIE!*H5=JK+88HG&5|IAFR|8;0T|\$U<)3|!|K8KQ)Q?HM>)1'
K(? "BFV-3NAK(B MR.\$ 1P7HFF2W--FM:9+=3+*;278KV1%-LEM9DMWVQ)>O1BSHY66Q-W617%6^
MZ.P'N&HLTB-S,K:NPA"KN:3>#40^9'7RC|W=Z3_@Q+8"JU|=LM_#D#9K755-MTBPM+WJ#"WD&
(WV(4XN9&9NN^NU|%ZBW/@@T\$#-(
M|.AR>!/LWVS7U@.&|WRE\$SE8J)89,A0F<7(:+P8:8Y56E5H.9KTL P'ZU=:PD|#1%-&F?)L\$&&14RC ',%
(9MHI6R%" MLX^+<48.^XYKW=5/A4;CN51%3B7;ZBQHA&.&>ZGE8+3#C/I)\$4F)9ERX3C@ M3>'Q
MS)Y6%9-4^AH7>^.-UWVW7G?E>^3@,3(2C|A=|TZ4853T|AF'L@?1UR=X#O>L MVR;--
BFH6U6AX7QHS\$<4!|3KP0^G4=FI7BZ1R+E#M*68^2EYD|4'.\$(N^6).
M|&C"!O9PG78GT2BE@\$BF_4M97LY|8C\$D?6|)Y\$+P;Z\$|-MF#>_HPZZ."E.D\$6S4T<^>NPY
LG9%1A6'6G>&"5T5*>.-58MNJ;Q;.L0LN MEPDH1 M&M50>
;T(T|T\$T*KCY1J|KS<U|VRMS3KA@!7&:J(?RXR(6E96SY;5-X99|7* M&(UR4
/Q460X8V|4|TG1;PJ@)F65T/1=_@IC?MPXEB(FJ+UIR1TH|LRT(E MBF|9*2P%+Q:
<>N+!C3Q9A3J220S,K\$;.OX&#Y=Z&F+@|S\$E5-HB"V.&3X-XK
MSBH("A1: V4:93\$*R.U7W1TRT))^"HI<' W8 M*MGFP0ONV6MN"?_1#0.?
_8M:O"P=B"#5M0>!V0MCN#TMO<|HUKXDW:%ZM%4& M("?
47DXVFI+2H+\$)/Y8/\$SP@4)9|R=VKO&P3<1YVE('?'MYFJ-(ROC'^ (0N M(Y(S8HP)B^ZE3B/FS
M1N44FG_(:N*\$|R1 M|2 3R01)(6.G70+|0:AN:1D#+JQ<4.D+S.V|0U3^*;,+L|Z%EN>JH) &>3/6?
M+L"A^TF*=%DAC/1AY.+9"(D6N;="GO4EO/:#^E;Y*/+,I6QH-E'92E5B?+I M%S-+4V)M',WO13KG-
;X?(\$ZI?9.EO!(\$4_FD|6BK9%XPZ>#D6"28"4GX,OJ^
ML>49(6|^|RA\$0|1P;X|;WP=VM^!|NWZ;_ ^6IY|+7;?+6%F'FS3N2ZRITM ME?U;"DX7^E?
V%"A?'OY!>VOKK1U55UM)+I1N6.*F|@E9|F@M|!(3% ^9,HX,GG
MICIBIKT\|T84FRK24TV_@ "W|7=:ML_ #Z3>Y5L2Y|>M@:3N.\$"K""?33;/4 MVT#Q6UDQE55HL#=?
|@ \$US\$SVVE2B#*00-B|">|;NGI(0CY1X>54KNPPT
MT^;="9F_%ABB>+>|U)Y;VR%YW2|S27J^8ETMK44502I7W.FB4|!%?5|3V+| M31N5'@V!7*%#P)N-
(ZE8-/>11;QB|3I7J|3Z)6;N^U4XU1A0N^ZI#|;,<%^; MYD;|HPS_J.)GAT^2
8V2X%.4H^!/^0>=6+!;2&KPI,=RB=\$9TF=1&HGY- 8 MJ&(H^@|!"1M15NQ3>P;HXLNM\$E#4-
_8^+08.D>2S\$|.>ZLH#XDNL/1:CYE|+ M1PUIP/!)|YERJO,7)GZ2?J@A.J0SUH?@#9_C|Y;M%_A@@*.
(9\$#0&X)_|*6 M+G5JCE7WY7|@>4Y(G%W5N6;..K0|T?A3-TZ@92;57V|IR#T^J"78B1%E4|A
MPF3EZ|/VJ>MQ,Q^YUN=DD(^!<'4145<2|K;U+P<@C>QV(F3_ (W?=?^H83(6
M,H1""X^DDIM1|6A\$NXCSPJ(M>;,*="D:X6R_\$4^>|!^I9SO|YV:6DICM.' M52.1MB;@,AP**
;^P|1+RFZ;,@&N=E&QKK&>*HT1K;Y_NWB75%PUM.5X@;R;SH\$DD75 ENTG^XIVL|V.|PA=IO5% T
JBU%#C)^ MA!+|TY:Y49\$|I5>E@9F?GOB|JFB.|8X=DI9Q;|,HAHAD/@2STG4N4JN;|/
M|1"C4>3_%QC>C"G\$U9-%C))U9,&6K"PRE9#L|YJ_""?37E&KECL":|/?\$? MW/LD5;=ME24PY;XJ
MP\$H|4R%F=G;O>!1SBX9"Q#D5.YMVY647WAL&0<1#L_)J"?<64+^/0^F9C0ET8%B
"U=/_8EAF+,DF_DU"9PIA8C>E(OXHQ&JF\$J9^H M@4!&J<+AD%,15)!(-
%=5|R.B8^1EUP&6U%/*%*J'D/?_4^B LO9>!.E^J8*?VH0H2/?I86DH|Q.QD@0'+2H M57|2PB?5Q=4:-
/XN6J|61S,R4R-Q6|/ 66@|5WF@AYLCVfy1<2TF|*X%SZ9G)W|>C+Q 2!_43&RN%AU8KYMR
MKJB>"?VZV9GZ<TS|WY(4NX MQ)4TCD6UO 46T32-JU1I3#3MB9#..?_AF,1;.
EEM2I&@|+C|'8<994F41 MI!8<@@W.S+FI>^_
F>SVP7^8^YF2N(>50Z;82PP#T>9FZ@1;IL!"43347@1DH M;"7?'2H;* HX%GB/2L>4/(Y@|RPS<-
OI(N/G8GTLZ9EJW@&.^PE(YZJH>4. MJA0PK5 B2;N*1)>&C^"\$M2_%=>YK|IG8AQ|4+
M_+A\$|5.KDT/WES,8|D<5>A|3D+VAJF|L"UN)N|D\$;+XZ4N;R6IO&DJ5LN
MC|HVM;%9#4VEHTOCGI2'O1>' +Z* 1WJML=/8M0!Z5&ED1:LOE&NEZF39UD^TP?1H PF TTIS=^"
<*0NHYDCTD_M*#X9K5YTJL;#Y>LI797NMCP-1B9DG\$8FS,56,F')A/&9,*4.Q.F4REF%SP
MTEH(8'O86Z^ 2ZO&"H"VKW|PLO;:NJ\$ \$Y9GIFV#@2 ME^I?WF)G/L^97+H^|8=>>IN_?<
P"B"A2>>17Z(A9|DRNMU*H5 KA&^|/| MZL.2H53@?#_ /MZM5ZJU3N&?
H5:X>_SEFI5VIWZPI5^HWO|N#|>+7_?5X ME?%,*F*|K(^?K5K^4K&NE4|V" MUJ=;:L0
VIAH;9SR54MD>1:O)?5)5>MYGCU|BNI=62WW, :6&N%)M!7K-GD
M_E^WR3VHJ|K^AM\$-1|J(V_5L7|0TZ^SV_=677ZR;#Y?6|SG2S_P/X.>'), M48&'Z_F*U| |K|VR?&
<\$_.^L+|_ (JZ;MQ\$.(:|OJO2"@-SAO=5^!^|7_|G%OE MW50WG044*CDSLG+ 88L4;\$O=P*8;:3-
MUZ#_FNA_T2G0U5Z0<96FG=O,M;:: MY0_QXKVL ^+N5%LP9G?HA;I1K7M150L#ST(C7E-
ROZHF!;09+LJB""WER=W MP(5V;::D;B"W#FVQ M5,4BBX_8T|.0ZO\$ O-
TRI%J2O:P#N>9"4KW#WEC#P;_6C'^WN\$&X(=KC 7W| MPA!M2?:R#N3;.'5,9DDMS9 R|'H4&_O*?
J3Z|9|L21QTD|U#:@VJDS+G%Y1 MN|0V3,TT5'X|^&"H_.B@VM"IO'YIW7&MF763I7|;"CX>6'='*0<&&?
+<%T@LF M7ZMQ:7W# L&L9N,VQ&;S(R_ CPC4W1TG71CY^>)0|>KRMWEI?158\$YDVH;|
MHOA<^T7V2SJUH.-&|(^B3H|CA-PY#V2T.U6=)NW7)/NOS7ZAX5Q|78,CX M> #>
|1HR/C*HMG0RO@ |VWFF%OXF6_(((5VK&A7|V.#:T0FX?9G/RK(^B-AQ M/4/\$1P3M6G7'T6-#Q"|
UE9-.KHZEWJ0B09|X6 WV0+T\$S;J-9G01P3T6JUJ M:/G(P-
K4!7)W*4\$'H2'HXX%|K68T|&.#:SN7*E)%BM9F;*?^X;I<.O#34? M#|AKM1UG5QMJ?
FFP7N03OVJ7UJH|T*!<:UF0D_'M:+'DV+JW"=K:&BH'| MW+6ZR0,Y-
K#F4KQJS4LK:S%M2/=X8%RK&|WYR.#:SJ5PU50.EZDI/EIHUQHF
MW'1L8,TE<-4N+F%S<9J|9=V*T+H;J\$QAH|(WK6&4;|/ #:RY-*Y: ^|+ZY,9R M(*)-K6?

AWM4;G140HFGA02/AXE>.:MM+^KD9VH\$GN>%>+414'S?=4PPBO?3I
(9#5C5I)#\$(1R1I_Z_R_L9&7'(SXV^VU M+4M)Q%N0UDMXXQ\$W)QWDH9:S1 M4-
>T45B4W\$=NWW5"%^?3R"&B#_#\$B#A"OXX(:B%PUJ-E M@BT!_#H/VTL-
,V57P(IS=44Y9C8(7"FL#2Z53P,=QZT+>0%_1G=FVG9*,V MI%,'TC, KJ?&
<[F@^PCQD'A]+B)GJSQ!BG.90=5MU8:CD0SL /&4UOI7(M? MM^!>(N1A.-O2RR|)ZP0E
MU+\$"N\$.G2\ZA/F6B-^=(-T6STZ3%RY_C#0\CM@T-G M))Z"!+OE1E&"/*B-
@@(%PM2A^!&2(LAG3E|<'SW+XGQ\HJ^@7K;:ZV6WXHB MI*VS>K76L_9J^3=\$'4CD?""+Z?
J#Z(D1'?\$:15U)=>(9:1N/!=B2^/!0\H= MN'A**].?#3A,O3YQWV?OX MQ/5S;^CX#T*G5;4DG:G-|"A"-
@?NP=>VDJZY,!P;PZP^=;^#8,(OVO\$13P M".@)3R"W09>DFP;!CN*9@8*?0B@'H\$#P3&& 4^
ONL%,7+Q@97U^@X,T8 MH(W2_DE@95@T_0E4\$%#/E>JOHZNRO9L'BK@7GBL>)?9J1 %WBK<\$-
Z>AZGTJ MDC2M_!AD!7MDA#VX'1JR;?WN@(831ML\6+DD,JF\$=&:F3",^,J5H\0G:W8? M42-
X(FZC_@QV;D3"+PR8K8\$"\$9'RI:W"BRU_.<4D0Y'_5!;.2\K8P&!;.=^%S=X>G8>)YK9/K-S =VSD,=KF
M)#^9LSM""ULR""PV\$F,'C0:ULRC=60\$"R#Y\G2G. BJ C;HIDL,3"=B7M5?? M_8,B9UG,
(@0EZQP=&LXX\$I?J7H" +D&^3RY=G^B*7GJ;9P?HHY^A.-V^, 2 M?=_M5CJM!GKP9;A=?E@Z\RM
IS\7_ZI-KUPC\5*!7B5^8L5>?O;V&E=J02 M;+<6+K5B7D\$5(YRG1|;-T(|@N08EKQTHWA;|T5)-
'LDAG_O @R\!3=-62 M*.;B#F0MVC_-6U;R?-.75 M2BUPA=<@TR+K=:UC@27OD8,7|ITY^MF)?
TYI3+8E=):.3\$V\NX*X3'>'C@50Q0%!\\$% NG &.?NH3'EL>.:78 M.!QC^1ZYB-F3H6\&'GH4W,-
A%+#1H\$WH?GP1KRX?0AY=SU,^#3!^0 :CL MDQ763"ES!B804IMCV3P#&2>PHG;
(Q@HA06W.@2(P@Z5|@*7(TTV,HIG|10& M4*.;1060#-A>|M!'|R%=HI0_#4-L!O? OT!T#|QG-">?
BDSAN3KRXX2842\$ M%#8BIY=M+-'1-T1ZEN 8S(LP=LEE^JCL&.;#V'PA+X9U&G(.FN?+H)#Y;
MXBCYA@8#00X%4*\$,_IRE-.?C/E!\$B>D<(;?18QJC@ \$#\$9NCUP1W)VGC\3 MKV1,?FYZD=Q?
O5;Y.)GQ%TI@+Y1>H_PM>"(SN\^7 M4:M,IT35)'6W\43\5+;QCNV?92YY=HBKB!
|F+.:GG9PJTK\HZT04)JSTX>U M,G)ZIK)9D"0&:-3QN9 !4XCCIPNU\$.U00F4 !RY2#
|E*+*E0U>FC\$RM-T>|MP*V")7&/A|J'ARM6SNF@7_3+7>W<3^|,S1BP#HH7L;2X?H\$^_ V4!0J>3?5\$
MCA(Y6Z<#A4H#|R-#GUXD7)S,1V7XABDQ8EX&/3A&AY4 LWJMQ>JHIP)SIPU|PJ67T0Y|B
MT8,QAQ*(2T2?A.+4!7-\$5HKN?FXU0Y,& T:Q84?)*JZKGC,F|H=3D+Q% MJ)=SX3^F'C9 |H&@2+?
CS2*(C*.K-;/7\NS#+4XR8,_ M\$&>QXD26WK&6;N* ML_8Z\X 0AH0N&07H8W+|,OWO*
(! =>DU|O|H;JK65|H:FOH|UW""#ZOH+,FL0 MJW^)*62H6LQ#@9!NS/0X-KDG?=8A.34DAEM-4_J6-
>I9COG%&Z:CRRSQ-#PHXV XA-B M9B6(0,IDSVD AX*_O 8;.W62%V0L:UYC70M?=.F@P 2 "FJS
MV553X!OU*GIWRW/@HI@S"AMX0!%WW7^.;?(!:WO&L5SL468?.6PH@3.&+ MB
M2H2V/"1!=A#&?'D=(5'DP@>D\0?9<"MG!X#3C/S=LASJH7^CCD9@|OFA7/< M+NLD-
)K87ZD|.)=PW454BN#E5+NM0TO3ODS7'67R_0J;#<\$G7U1SPL4_F(M.3O)WMS'HKW'XB1FQ*
<.:UYL)\$S1J\$AC &)|?DM4/"\$+N613M4+41 4I%HP
M1E+0HH*9:~&>/1I3PE9Y6T(QXG6@:N"4J)I_G@BDJV=M*#GTNT6,)W9|B*DIW M.VU*+DR;DI-
)8%G)I#R*OB1I%72F%:8'6=/.2 M#9J12%-H'UT\$Z-/UMWOI)7!&RWZY^Y+NMJ")R\$:J731-I
(V%UCG|NA8U%TG= M6-N\$PLP!MUI^62XBV\$|S#BKS?E/0:V:V2U"N2_5<=A\$ M^:W
CZ>EIKE1UIO#XQ"Q8I4YO_XZ#-&7U3=Q)+V!>JN!F4C!Z@NGA?IN5HN: M=@?I?
=:GF/7K7%D_V4JWDM5/-O"Q'0P6=:Y#C(LKBS25D;FVS"!C"7(-Z MYBI=%>M80?Q%@ZID7'SCS"3S
=>U.*&>&:V:O.B.F.R"GX3SG7BL> 9^H47S MM"QCM8_6WET0TYW97T|%30,_N)N9|C!4O<=)-
%ILD CJCL-%;5%H\$QH2=<*)X M2;|>|D(;ZDG%K4_4=U/HA-I?)-!
%YPZT_|Z4NF&49JSUY>_S*ZFTLE%W\$ M(96=P)3!LE0UV"EDF/G&1*"S R^ D!3SGJ4FDUH?
2M'|HAIB?1.*QTQCLHIX2Z=.9|JCG9AQCEU)2+ZE-*#8L|50=0PQ@B)Q>UKX3Z_AD7" 5F|BC
M,CM07L;ZAFSS+ATDOP72,|2 ?E(8UR(*)BV\$;|SV1^ H3+YJ-=63|AC&=|' M|
4L5"88Y(I*V|X7G.\$)APU\KU#O #L"!->NK:\$E_MABX"%)Q(ICPD\$1C7W(=FN@_L-&Y+P-E
M|:@BA)T4F;AD;=>\$67'SK2-EEK^ (G@-WJ=K@NCZ;^0!H+Q,|AK<=-_L162 M!"U|B _":SV'+,B+
JH7^K?HI8B&6"H>|98J>3T\$R\$M6Z,L<#L)IV6R\$|!71%P^RB1|E;EY)3UE
M@T%.Q!\$/4R:7B|&B@IRT >4XS\$E1%,TYJ6"|_53"|Z?8)"|7=U.D+UK@NPF
MR+XTUR4OT*N5^BX\$^HQOV&X"7F6^T+|OY 4|4CUG?A3Q\|MXFD_55ENN|+MU296UY%PS?
G;J2SXVUIHY@_9E%UO-,+6;FP=T|8MI6D|_R; TG7=8S9U%^0) MO(CEN^BJR1|VE|
|WBYK""XEB*S;QD8H*8Q+OU20^#B1:5= (E^&U@?*|!LZ_Z_O_2^ M;N)WS*ZU?
I_HPS96&\$0OR0M)%\$YI42JEI79\6"T3YJ""B|O\$Y|8Z*M|G+;A;
M;E_9+>^'KAA8U^BEY|L^C(8N#VMV4|9=G|VR|8?R+693;|9N|'#(5_7R^D5 M.,L1T5(1-RD;)F;H|
|_8HJB(K#(?Z@&1U9F: M_ZGHV&G\$)6M;B406ZMN(2|;.)BA9TJ#DK,V|K-!^UUFHOUW_>GZVS?
KINK| M?U|H_6!=?_YV_?7VZ\W=M?7^R^&W5Y_ S|KZ_,&Z^&^,7NYL/-U=?;Z|OEL1=
MRW*R|WJYUUVNW.M:EGNM JS6'&#MUO4 A%VI,G&OXWMH=2OU3O&?UO48U&J5 MB|HZSH?
YO|<.:1|ZI^N(!\$.OI9;|LUL:XV>&WE8Q?FJM5=0KZ>W;R;DZ*QWK M8Z"F D?8!(OK.63)<<#SAO?
&G%7:6QC|8S)-@-8\$5#*B;F.>EK.>R=WO>' M\$%|KG|LC|I"@&%5"D18T;GQ66#|(>I^?
KD*!|G@S""^KE2'7EWL+CON,F9I MKLM85S5RXG^&^U|!#OO:A/16!M@:'&|J&7
RYE)U<.GLGEQ:02|MN=YLE(9B?#1|H8D9A3(|>GV| MHQ>2_V'32'?O-(!-%U.^WZC|+(!
EQ|'9&RBHUJ|*M6W3N"MOG!FIV.0;|C M1+#+WA&L0PA6KW5+@F
GYC:2Z99<8PPPW4C:KZKL'SBQ+*85*AT347Q#|_A% M-2PL0/GNJW<7%S_4,MC!!H1DRQ>QFF/|
(V;RR@'_8R2&E330:\$VULE5_|Y1 MM6OU'^:@ZX+H (R:DT:W)0)Z4WQKO'I7|J|U1LO@F|&W-
63HOC6!"SKV.WN MQ2'@VY9LZE(K!_#*%;C(A_."CT2T66Z7//JF.8#EHY8?R&1:Q9PP=VGN
MF.#@INE9>/E?|K|&03^Z|OLJV'H7>/U50&,D|?M|D6M)!YT\$Z+98=K2|M (|
M0\|DUN|LRD;YC1*,EZ3S;0Z,V<:/FQ0H)4TV|T=D>B1!N"N9?AJ>^R4)/|NC
MHLZK=Q=VNUL6U|Z)_^PRK6=|:(219KO5^F&G|S&C,J+1DM#)UM#HHHH5*^5 M)1|H8F9ZEJ+3
X@:BWO=4.)P+|"|3.U2Q=>6DO?%E"ML'T)"BF)OV%Y 1M|H

MVPKN&-.H5&@S)R2X%;S!./2/9V@80"DCWLP)I6T%;QJ-[4?+A0S-00F2/!5 M1,()>T.>K"
(>P2H>8Y\U8QA0GL7#-PIZZ(?L/B5-K*N-8NC;KC=_.)MC)HR M(M+2_)PM8E(+;G1_.2 X-
)9<2DI9DW6\2D"2D;K,LCI83LY#OA<_/MAJ MI(<&TP9ZV.VT3LSY*C%HB
MQ%\&I3JOWK5L0;Z#4L>(4DND^Y5+=9%BYU8G;XE1ZLOIF7?NSX#ZZ< M5"IF>YT9[7=5H;Y?
[9?;37JQ5W2OLY30KH"">U&6) QE'8IK=?&E1K6)ICZ MYJ/\$E25B>&UL90W%;J_RAO;
M\O53\$\$\$U5=@W<9I\$ _TN\$00\$Q+ JH5.OU=^61.\$T-LPN!>T/XT_3X;1X\2 MX3L/?
V;PI/7J7;=:EF26\$S-JOX7P,E,TPAM3NHP=NU%.5_XFJ?ZV-5NKX48;#=-7_G[UW;6X42?;'OPJAL^?
9F0C9K?O%/4<1:ML\X_V MV#ZVYTSIJPTL2A;:&+2
I/9\^B_.!S:QX\$UUAB4!EZH+5+;M^2PI!;\$_K(W*ZIXDI8A*029V<);.%F4&C-JI*
ML\$QB9KOG;6F8H2;&%0'-B1FCXI.E_%CH?5%I7<*ZSF%I/"526.X,3F\$;>,ZW0
M27PB*N=Z\H7A0.W=YQ+Z_59-TGU#)'_@9-YA3(ZP#!)HRJ#,*2ELDNO<"<
MM&NCGDQO/DK8I#B#"(\$&)U55!38GV%9XXO<29*)L3'87WJ93/@'#=6KSLN9 M'SC D)^?
=B6788E[/*?->M9R!& >?S1'/STGGH0&6"C:' M90V!K83H+LED.VG@I:;.)2!O2\$6J@/(.XF
(T%>BM*OB+QE< T;M5%_4'@_ MZ2Z@59)#H=)Z@==V)G#DUW%8T8G%T7\J.Y#NLP-
2\I8RK2A;^!6&,RY'<^IV#E@4DY6 M##;Z@>ND:W&UZ\2KYLE1:XPY<I" L<1INHVV,>1 E6_I'+3W
TOL26^4 M:1Z;>HBNB9",W=F:3?
*C)VMOX+!;6G&@1%85D97BQ=DBLGI50I8I>'BBD9^EXUL63&Q!/?@=. MSJH
V&2N2?)_XMRCCJR7.\$K\$!S:FT(&(X'6X9*R%01,BFG!;:0P1!>LRJ0 M.04IV3IFGQGH0PQGL;
H#FX_-%OU1_%2B)6!KJ.GD'R\,F%Q')&S>'5,&P^D9E MD&2;A@,PJ\$X7NIGT@?
V"MTG#\$ML\$S:2X#T4_.23\$H&;OR?K=IHT"JKE,?V MT'D*'H7[DE2;PI7PB^6+)+/\$1\(<(VWYA)IOJB3R
LYIZ,MY_=#)I'9D0@B. M/\$IHV"81/C%#P"M\O5F.<54%W7UI7KHI-Z5U+^>W^ M6KH#RG<'<
,T#073\INH&\$OS)NK1>7RWST;4FWV>6_:1SKG1CX;*!\$XZ;#1K@
MU.UO/3=>VDF@LB4TWOID.O3N4;KK)EB\$IC(#\D4=6\$#2,91-P!%HE?6\(*
M&^2\45/%_8YIFTV9;3.D-^RAHNEONL9;,,5Y7LPS43TN*=,PO[1,>C5@#9^P
M5QY%(@87NIJ/P)W\$&QMXRV&"E&4C'MHGE-E#(M(E94YB:S<;J'":YP7OI5%#R
M!CT<^XD:6N5HJ;8'5)?I M/-!I9BN\,I5FERGA)<>;JX1WJZ*(I1C:M#;LC&8M;\$%)NU9MODJ&["ZM:\$E)
M2I%6>.;@62J'E7H2"i2LG>D6LZ1Z#)P@_Y MM=;;,7*1\7YYUT=U5L;@=I2K8V;Y\,R;
((#T/PE\JOT;ALAOU4.I'L_6Y9 MRB.;[AI2-KC%B8K2Z&Z2W'0HW)1/ M'5W-3:T&*;1;F(I3-
C<)7=5;@D?'"#O!*N9G5&:[A)J;WEHNS3V5<-F?] ^F MG;FP*O6%\7"9H_SA,\$W\$R>;
MDIR6*U0R.S08Q_RNU22ZS B7 ?@%DF,8_GO M?6(=0QV2P>M3\O+^I8GR<=QW0?0-
T>=>SNJ26GH(A*Z MFR6)R6Z);H+J\$;EH;M'Z&X5'@9;#723;06)LOSA_YK^OH%_O!6_:K;+[KI
M/3M\VPG#MI<";.-?GNU/0:_Q7N^R0_2V\$+U/_Z;HDXGU"L_@)U03,N%NV,)
M!2P&1U;\V*JAS%7;Q4E4[HPY3+FT3*I240&1RE?=5,V)#C\Z=.\$#:HY^OI(,MXN\$H,'<JNN&KFQZ/F
M("#.GFVF?C\3I_""*%ZKQKCGXXR!AAY'LQ)*Z'5AS!HK]>^&X^O1C-MS%J4F8T";_2\ZX/7\$9E2,_V+
(7&>273VHF M43'8BZCH)R+YM^L_OUT_/2GWXM_C!^NE.O;I^N^X>;QVOEN\W^_M/Y7Q
M\97R^,>7QYNKF_'S?5C\$O3C+R\JXNTKO&I%P@5SC6_@ZM\JF,F0Y(+ (57\$J9M
M9>@-0YO;7?'"O&C-%WUT?L*+&^K<81?>7SYI@Q%UDY9/%WV./J;+V&AY_&O M
T%PWN#"0#@IQ)/%U^?PU:~?XYIWA>6N0_%7CO)GX^:I_9OGO>8PUZU6?IYM M'_FB6JVUMTKQ-
E4S5AUCPBQ!13@2,[P5YZK=O-<@TVM\Q0;>H'9-=3.E0^F
MVH("XE+N):X&ZK\2;I3S!P:RQTU6%Q@F:>+5)V&JT.EF"S5E>.!O1A\$2-MW^:HB-J61"V?J*U-
6'FO\CG;JV47S\>SG3>F CR- TP=RJM.;\^I M'VFR) %D!!=I*L;0=DOJ=EW=:8J2\$8X6D;(T^OK-
R<,2FKA)3E!\X@T+9N() MJ=E'2.ZFE,%+28 ULM70)1?%57-"Z;0GN (MJ,U.^&M;
I\AO37C;UG;5\Z6R>^;.#1C^_OK@R?<(' MZ)#S77<,U>N0RYKH/0CXT23@V4'2@Z2')X1BP_)A\8Q%
=1Y\^<7 M8U;_M<7)@N5DSPV#6 PA>2WRMTY#W\; ^*P?KT27 *LY;9@PDE WYLMFNC7CS4);%Y
M1-CCO=VJA=UD"Y\|R#Q"#NS>R=@S'7CF. M HG\$;B&QC/3!2.Q#X*Q"BDCIQ96?-.
(RL9;2H3E!;@_0+4\$-6@@*NBFIHR MAPVT%7C&FSYARC/??AEFW=@9)NS\FBZP^7"=E7=H";9=5
7-<0';-19; 0!M\ILOVG!4Y?,(32=C<-/5;RQ3 MB*KKJ*2_GVHL4F,AW69M5-
:0\$&D45@IM!;H;MP>W%EA\SF'"<"8=WMP;U= M&QU+^O:F"ND)YQKLTBV6K9P\7_!DA5;J9TH
EKEXO7!9\MJ#S9<\$># M1U<"&!>J99K>3V-?34;/8F6G%@_U57*+JAJ*/OX"@<;7&YL&UF3CY(8/#'
M8IUR(#XV+)7OXF2-N(IEYR5).@Y3K62C;<-N4\NUXV;MA-V\PYH9M&V84>Q
MY^KW3#VZ4*"G193=D^%\$O.4EN'NR1&;Z'W/+Q;.! M=_8W_3\+ '(N?J?Z#;6=_;=M*0FP3*U(&
MK6;KLX3M,<*V2\BRPK!M50VVI80S_8%;E:97OBGA_AF",^*I@3?^SUFCL,W
MH6&P3I;I"O=QDI#;KHT*C_7,M%5JKZ;@H#MQ..2X,"=K#!^VNW!\% M0=LMR0%2H;
[M;U24TQFS>6KS\$G;42;TIFV'A;\$;.[#AB_Z^JGM3+/9KHXR MJPk-Z9 P\!0H0@;
<7!I/RX3*X3#\$QOP\;7%@NTLH%P<;F1SUQ&8\2S33.(9 M#%
<6;CTG0^55:1%09&D%^1/4;M5%7CD(^2D25<;AO@*AF;32HBHPJR7=0Z6,I
MU6%0IPEPUG2+H;#599WY#0 [M]-&@2/^A=MH+1F+0_D84
M8I/*T>QO>R10M>5/B=I8@KSQ9\$W>.7H;FW4JO<&937#*V\H\V1B2X;6#+U\I
MO;9,CNXA1S?;.)6>928Z6""TY.GLN\5J.CC-MOS;J#(M^5>T7W?36-HCRR@1,
(F;+W1_HFSC\<2[KI@1OL.ZN^P00RW\$ MT_.*>H\$MAN>_8%UXZ;E4C\$Y?
&QB"1A\I55#F;LV.2W!?'28JRS0% M&WZ9\$^PW_>C"!I1"GPE&<3#>I#+G^>6HR-L+FS&&RY\?
M8;Z^L+-GFZG?SU06U.W MFC-0#/,8\>G';D-IULC&6<-D%6635F5%R PF(V_@N6HE5F+,K-
1LOY7^MZ! MK'Q"Z8+I\WZZ4FY'U_^8_QPI5S?/ET_W#_< M/%XKEW>_WX\O_ZF;Z^4QS^&^/
Y8ZL4V""XTVTY=,=#3!2@UU\K +\R^?O6XZNDG/HXL^1T\33\$%9.I:(OSK M@\$_/&YQ7A?I?/%E\?
0Y??8I_WAN<#UO#Q*:Y\W\$SU?=JMD^IS;SW6KUYYUV MD,V652KM?96*3Z_:KKV8@#_,L-LF.6E.(?
MYK4&F=YJ3', [R;N\I\$KN7\36S#Z#;<\$Y<J7:VU6AURGKAM*Y1\$>,A?INC(FK_%ED>(0L-J-
'Q^OGQZS MR(A-WK=Z;IP" TI+;K!WZ.0ZB>@N51^ZRNAQP"PI-"?YT+>[S,S4\$R;7J7U<

M6I7O9H6#Y>D G>!?V\6.IRIW.FR>5N-8XN5)+UBM9&=*/K128EV #+&IH;-
MNP[P,78O5=M&+S@.I&"Y(YDXIJJ3'R04)!-I&I4:/#/:TV6!U&AIK3175,*QW]S+2L/-#Q:/P\^?6^9
M*U3WO,PRP(-,I6ZW,+/((@K J(BE%_I:*I"8BJ3-H5@1)IV:1B!0)\R4D=YVR M!..^)
(),\$;RWF+8""^LHW"Q94"L_@=,./ZH*JBFBPMNDIOISZ%D(C.^N\XK77 M4GG=S&= 2=EQ@R-
FA\$YL#J24=W<0T#D_VH^=6RL9\XJ!KWJNW>3:JT9VX! M=7!%JLU\ 2!/#S@IL2):A%1*=^H2R
F=S!WI! UCZTA_:\$*6MXV9B!B_2ALM M=-6-A2R1D[/+IO8:CD"KMP=27SU*_*1(VA+P,T3|
#K'J+6VNM5OG_EDN:I1 MAD IQK:TY>NS&W+)\$\$_<[7JGN_7&6H>FZIXNWC(IP9OBK8G-
BNK#3N\$FFX?2 M|KC20OK>MN:PG(^Z,C=4%-F1OEZ#BH_KBT4^C#^|TR7Y@
MKU^5:5+R!1TU%CE=BML&Q\Z*FZ5>_&IC3TG+G&RHJF%?R5:JUSRB;&H)JJQ
M&\$5!A0/6FO5VORQI4VKYV5(O^%@|11%-4O#=#VHM9,/GTLV\N>2)E+^SMR9 MI86HG
1!"G6*DLU.3 E^MA1DB)*5Z(DI^SL8Z-&^%|0'0*6NROFJ6|ZX8A
MM=-.9:1'PMQP'Y"KL%&|U;#4/ZL(FQ2AN3%L:"A8?3@HR\,L-
MRR_OI0ILV9&)'LIMQB5KAP=J (Q^!TTT) <=5(2Q7VIVRRHKN%#H.=T:J6 #PV\WXR\W MWVZ>:JX?
>4OLHO+? QV\^WJ^N'Q\|KU_YQ\ 3/(AW-0ONS-"WAX)N5|,BW MVQ%3|A1T6:|XC==?=8-
W=79AIT1CZ01NP;NET6.? J(PJJ*W/U@R88\|I#
MENWR\!D0A:,U#J^5W2K,ZOFH""RSY0Z5GTTQ<*|8L\,KOH-3I8MMWO%+:R MJN,-
F'OPM'R08I<5X0-J7S#H%8X'53!GGM_R4|QLI1>N+GA/:?DI@S1 MHQR\10%D?QE8KR*(,O8U+
BB/K83:K:KDIOQ:L,\$|>O7"P=>BMF>BO"QH8+0I\9PT95% 2L^Y2W|P*HJA|=J|KO:A|Z+:
M"Y*WCFLO)N|"AK>0:N?&4O|X>)5!2A&E.H&|I M>_&>E5(KW:SG2.!9*:%=|HDH\$RF",D33I3;'-
Z:H+H%\9XZV':W9S9HGM/ MG#EZH\$,<43J"1%%F*:HYBK+VT&XUR^NA+774
CVT5:&I&L&62SVU6"/MXA&# MY@"38+KMJF@F4H?=-I?
0M"T0T/+99&4.H3/7V!%IJ%Y6O\0*, \$VMPF5WQW9! ? M6AB\ZM:.' <)>E8:GVZ@"TX=,%778|>5/0-
0%TS2I@4):A5:%:Q ,LD K:H&KL M>:,..*"?D#Y 4)GX#"F",^K5+=:|.#.4G-A^>X57)D,Q=T|MJU4:-
=KU; M/(9V""7R\$HAE", M +& F::=0?4G=)Q"IRONXX!=,"M9#S|VWLGIY|BXQ7"K
MA;&Z^K!1.#5(IJKB*,-IWXR0&8>O#091SMM67)I3H MED&)_DI*G(+^|A:D^|SRP
5S/F|PCM#E|_%_I0Q!SUBKW^I4LV%&EM-QQ^3: M.E9.M*?;,_?7|,@XFY326*86,'KQL=-.MBX_DJ*PK?
UMW:, (R'F>JS=8;0#>W7|>_V;UJW|F/
M+M:+_9J+>%AP6_%NC>#5AK51X|P1C\HI<|56WO!JY:>52W;PKDZ*N=9>OUA: MF7/C;
NF95.S@|6W&VL@4M|B|A:NX|+V NOD7F&S-FHWZL E^% ^"|K),=IT(MP2=YF|@68%YI-
^M*J|J_.R+&)/Z3?88)1B>*^)559N|=KTH7:K M:NE#TG&P2|=!>4!J5PU(NU8:|Z9JH|UIF<6.Z6|*,,;G?
6HW5CK6'# MY717J S;TR'6KYT?TN.%.|LV/#|6D00OQ:18Z<++Z|?&PWKO48>+8*O6E'I MAWY6"FU
(_7|BNA(@X):7/KJ-E0QJ55":|BOM|J#.@ _^51<2L\$|JV2NK.! MPIQS=9N1NM,D4@|:|1ZHRYV\$
\$P159E^ (S|DOZCXIEW'HK@Y@SN^,>.CB\$|I M(MFB|J07)/ASB:E!,W>E0GD1%,D)E60%NZXQS :5=(:"
<6F7<&):_Y%8-4.AT M|4PWE0E/3Y\$Y"YNW8_2)>@|TO3%%PD^(+?
+&G#M@)K2&|4&G*F7VT@>QT|:, MY0.JB_V3ZLUA528/GUI-W"@R6:PNJ:,./U4G^B%DH
/D\$%6NPTRB5P'7@#^ M%B_+=U5XE.9UB K1^8J3.3>K|'"|39_4'IE9:
(|R>=B/Y|IG9R&I#5<285GE|K81-D0AW4AH,|ISA)6I'A|
M27,|XXNM3XR454J;>RW"&:@|L2X0OW2QKKE3'S3+:OX02^,.'G0IGHT20.?K
MFIO%ZYIE'5PID^S,,X2 ,1D&1NOTG '+#EV8L-6Z'\$&&,NNK3|O7!S2XEI8 MQQ20^T90FY=8+. 3OV-
64J_L;JLV*C|M1RK15<34FB;JV\44SKR6M7&|5I6E MFKPW-
=G05'AOV7CL.#,JK6"FW%L.AZO6L:60E:KUP0,UMVJ|SZ!V21UOM0M'
MJJ4Z7MKA\$&I%P8=+9S@L,K9_XF|WT0;Z:|8"RZ)H;PIP9>5HF'L6;RFD.2)! ME;VAWMC42O
(|&JC/HB@7LF=S@KMYXXL(LG%DHMWWJ&P'"|N@QW9KS>|D3?) MW#D7DYKQB90L+_D<_O"6&
|H/5BDS>=0:)&B,&/8H=MZA6=-H./M%S4%FSX MV""0OWHM-
2:*VJUA3Q9TQAV\$;%B(4Q=* ZI9J3G3X\$=4:4;>AVC2?>B|Q<-|ML ^?YY9#Z6T7-@|U-
_8YW==2\$-7BHS|""A:OZDJH0N-|9*D (-M_8G+1=CKTR|K#|J=:60P.VTNU.UWQVT.FJCT>^J:H|_|7\$-
_HBJHGMO<-< M?6%GSS93OY^I4WC%"|5X5S|<1%^(S|J^ZZ2VIVX\$U9Z#80Q>_JT_5I-L.MT:
MR3B+@8"PN+/I EB:V?@K6(Y:F,4H,QL%Y^E|UT?|X2BP '^06<:,L@OG|31
M2AYY5>T7V#.428/HZ;HC)/<3D?S;|9_?KI^>E/OQY3_&#U?*|>W3|*."#%|4.<_N_#^|EG3G;FA?
ESH)BV1+OH_UHP^W!XWNTUD=^%W2L>+3!:,SRI_CG_<;Y<#A_.*IQWDS\2.6M MSOQ-
Y&|6W6GUY|UVYZC7U%Y|IQ3O126<%(,T'LO2_0D5S_27X@Q5I=?Z:MFH M)BE3'75;Y8.IMJ.P.#>T<
UCGBY.Q|G(6MVE=Z=H'I7>| ^Q&+6L%T|K)A4Q
M9>*W.2JBMB51RR=JZS3E3N@L.9|MO#\$5N*F!|?CCZ0DXS-;8Q=?!E:EMO2HB M,|%\4<98|D_>J%+:
^XW>|B-&6Z:);I%TIKV'#W)1H#@SXTU#&SR2_YH<
|IG6B@S|B|Y7Y*^,XXH>_@|_0W;GO6UAEW%-M>?|8GN&Y|H|T!VJ<2&KMS93;8W%Q-
@)U<8BX>77!7I-L(EFB=I1X2K\$BM@*H%@*J5|Q_70*J@H!.* M4<=>WJ@V
J|3O"RKBDIY4_RF|>YJMNHQV-"UHME:>^Z82C'TDAQYV?XKX*" MP!0WIJN:+SCG:,PX8,?
ZE,XQ|:+7*6WBA6R@5T\$PI1S@9:,I*|%TS&A*:,VS
MH2F.FEYM5,+,YPKV6JS^|4Q%0&?JL,TZK'(3(<;W>P'_IU)6WO#R\$.8R/!9-&
M|O8WG,).#FXUJ,J*:KZ!HH.C:_%S/;&9IKO4LIAMUF'M_3+|6QPX|T3UMW
MV97UGL0" _49MU.Q719&4IL<.C)D)L^,!817%52^*C@OA(.4: SX0-##\5;DDA# M=(-/?F":R|F|L+&#
(T):#TO&QZ7IZ\$VKH=[A]J7EN,FY3;UVZ_QEM6Z0QH5 M54)"RFF9#1|4S|'"L|DT2'U7"1H|F0T?
U\$;P*GD?IV5P7HF!|XJK_H";HK|6 MI\$2>EH69;V9)QI\$E'G%Y8O"3^N.:^|*_.)-|:0(1K^7V*1;#A|
|+S\$3M'R M-, 'P!29BB0!4T7 Q(|5|@#"#I6>=>.'908^BJ_XYZQ<:4.DZ|)|?/,R=G'6
M+KMCO)J;KT!8WGWR=^:,+ T=-: +N(XD-AK51LR/R1T;6E*JNYO!94#3KN(! M 0F7PX9+JK-
W0|C0G*H*P.6TC-E?5=U\$\$|91>>/-I6-66K2;GK+)R'|@|)9_
M.0W)CCQR9U|ISMQR\$|G!ZW:J)_@):.62M6_4^9YFQ|XF5.\$!VV9(GS,R\$HY

MFK>)K,J5,IR6K7RE8ZFJ3F*S29,?V/:DM6,N\UD4+?DXJPG^YT-3,/:R8 M^S?
H8JIO10(VTB3: ^X&>!SHJ\$DJLJ2/\$3L:'=EYL-.OC9K#N---!HJW#X0I
M=,LNF*R\$S.CMQ\$7)EKB"\$,5F7\$7DPC:)&%^@((JPHT"18E30;AD#00GP@M6
M;Q0NWI!PJ2!ZFF^%^ ^VAD;LU:D-G355QA/0H/(@LM T;SF718T_Q^C)UN6:IVIK<>#*!-W\$HPIV
M/#PME:ID_.,J0Z!8OS_-Z9'W@>?NDEBMUD;#60PI/18V8H^MREH6C@EM;#Y
M*Z%313&3GHFP\$63;8#T.XAWP#CK;K^H^K!B." I<<,*>6+!BNTE:WKGJ\$55GN2>Y#/NU4;O>
IL9;2TF;MFH@VI%-&T%3'##8B:QX'H#\$ M3!4%3VYC-@4KPJHHWZR N^R4K%C?
33Q7/S;V\$9^&EKFIZ^:>4_)5C66\!M M-S!P5Q^VJH(-
(^V6O52,;PEJU*U#!)'&UT^9F6T%3"!43_"N2#MY MV^AX.NVV+ML^QNU%J/<"I/@DB0%#7(GS>"
M_/G3,GFW&R(F.OL%"Y?J7'=5XY8E=;IL-X8@0!FR\$B#I6JOV='!FP,IS49M MU*W,
4)H/U&AU<#)Y!CNDEAC<&@_DDJ9=K"G7;EJ>Q@_W+\$94Y#KC2F*8!M?RB67->&N_"V^5DM:/-
LV1JSSUQK?H&D<2Q#UQ1\M0/DJ!(/<:;#)9#^7E#^ MRVIZ<5O2SS)!>TQM\$MCT#INVF<;>*@<@<'I?
E4RYF3@_M:8?.R8QX23N5-!%+JU\$EO)R637V_L"YP(Q;!2B;-F"J")!;G!4M6#IH\$W&/#2UY
MC=ZL:&G71E4H7#YEP_95=<4&<>K!KZKH;K.AK_.+<=EFK24Y!L5GS-5DXA"JBMX307.?S#@!
MK=YHO1W4TAHZ;/BL.)7+Q@!.\$ZMW\$F9W2OP<-GY6',NI^(E#9(@#YRJ08W!:_M!G3BJ>O-
/Y;&B;'KM!\$T2,1X/Z!@3Y)B*_W0";I5^X@D!;+16\$R;KC-04G M^4I8-M48-
KM5L5TDC'9@_&XF:EJ8:E)X>.#!VKA!|=5<+E4AY536&&=:PSR;W
M32CONCM3GA<.7.0XBAJ;N4CCC|&/3;6L*@!+2*.XO/#Q%T%UYMPRIVZ*Q3OB MFT0&PIZ*'9E7?
6R@R1M&SHF;3FW4IQ5I2R)1%1;VZI8PQ63_O0E*.A9/%VY9FVCEP5M. M/P65
+4&)324EG@|>#QE;8JY13P...>H,2ABSFT=CR4Y2;JL8RPWS B&&1=M MF""H<;0-
"LJTYR0=)1UWWC#CH..GCS/+L<9K\JL*.VJ0ZOX"!?K@6!;5+, M""PS&&#TTY3/|B#|H2"K5LQD!))@
JL+GPO=U/I"28HROVG-3V MM3T\$151V##XVU&2U=C.%3:=1&Q6*
TC8*'!=U.P8("^.H.3RNU.%HEL,\$& M^2%5W7\$68&@PHOS:B6Y6ZH.0@:;@X:;H.TEDC:08=
!ZLMFO=6)U|3)2;.' M#Z<YM)T MWO3<#FNPWRSSQ5-@L6R.S|L(%|WG9)%N;=2M=PK-
J,64A4QE7)X;Q54/3S& M;V7\$;R2H* @6JE" VJ"BH/1P6*0OY<\$;YGN/^CG,=0U+YSEL&X# UM|4|&:F
MS)CV@B' C<_XTU!^LZ4@?K7LWX">S(^LK@J;K|TV RJEGDH#;EJ9\$&O15,< M-KOJNV5E+ "
H%S1C;&>."\$?K*>U!|_ZNYL9AE(%>)"7QYEJLR|(IDOK=XA9G^/N+TWV50AT^!M;ZJL!
(^Y>'UF=@P_O3!^NO%X"ILR MVV;:(RH(5SIF99O: T#IGMD3);ZPGRHG+4"K&
1Y'DO(OCWW\HCO#\$0XE(! M(FBJ;JD?N";B_K!E+GW2*Z4I 7P87>DKZ!0&+CV%_?^!NCTV-?
!#@_2_HD MK|NMVZ5N4,7H\$FSL((RQ'9WQ1B;SU4W9|T4|TSOG*\$^K>#KW|5|5:L?|' M-A<#-
:@EBO7Z;IE<)Y>B1)B! %Y|Z:71%S!(!%&P*:.W2(M0:7I6\$6H9A|
MY,#*L#;JM&2)Q;%A)7L((#M6>HW;J-N4L?A|Q.(U8!WVWV9@:;@==R?!,_7E!OD6#;QQF=4^ZT;Z,*3-
(!+=-WQ1'M8* @&(S?, MEE'Y,L_?%#VU RS0EZ'38X-) _M,W!2==P\$DS/I5*XN2P<9+_7\$W!20|P4@4?
M29EV|R&UMYR+|F+!X?RD^AU^;R|3M1%4M- M6\$^/./?ZP%KUUB">IK*9A9-Y#P_
_#DR/_ZT(689T*316.V\$9(C8 M\$WEG(I?B?|?)!|CSX^T(S
\$PM^D'HEPGLV2^AU@E3HQM=U\$^3'26Z;+8\$2B; MM5&|<#|4BSFMK|'&>6J/>;16>22CC MSU4|
+Z6';-TC@0.P#\$00F.& G *LG&E#C_-F'7!6,NH?WX01<35%KWR*QQ M**JK/+,7W30Q_F--
E3GM|VDE6>1BMNX6F2VW8D&|XKJ#PJPEX^|51%J_2DCK
M4W/A7N'XHD1;:9\$VJ!+2!HBT=KMPI72UYOVWO| MXQ\$NG2H)%XSZ=NO-1EE-
|BOAQ5|C)4M^E/Q880-FT"C)@)'L*FQ.NHJL%;>
MH\$F2E2I@>O"7LT6^>MBM>>W)@3ZY4IKOJ#|7L.OZN"S;:P MEK%*D!*OO*I1(+
<6=*2*SGH|A^/D"6%R#RBY94F!Q \$F-W7BW2_.HM"@OU(MP9Z2KYH-|>W;J-V()T%+M%
<%\$A+MF1)0LJ\$=DJ16)M!T9^R;|X?&P;QKWMDJ5#E*^\$N2=|3./YY*K!|MLU|5M(^Z<94|0)Z+'PZ_
ME34M%VZNVO"Q23U#7VS5+W))N>6.V.@15U;)L4|;-J8*%J"SVZ|&USCF/MCO,
(35P1#^ ^U875SR|&1|!;@(<7<7I==\$(+E&2804+=_4E MH2W N2;+AO;S48F N,4|3 MPG_BY4|7<'K8|;
M:/2|JMICPW|U6V!&B*MFMO<.< 6%G3W;3/U^ID|A%2|4XUW|.X^_5A-LNET;R3CS
+MDTN>@"F(I9^"M8CEJ9M2@S&R72 M?Z7O'WZ
MZ4FY'U_ ^8_OPI5S?/ET W#_ WX|O_ZE;Z^4QS^ ^/Y?H |&*7SJAZ'G|;R\$PAL/S
M7K^+,D/X#|2#A3@Y!SHBG_>ZIT&IW\$KOKGS<3/5|VJ>|X<|G/=:??G|4ZK ME#6UX.T&%5L3|%-
GF';G|/W: PHH12S7KS*MJG_>&^;#P28IU3MO#_,^>|7G MK78Y*"^33MU>|C/RTZDU:%=N|RJYIN'Z-
;7X7|=F& QC/TLP6_GAL!OK;|V M=O(L?#|HYW'MH^.) (C_|"! (P\$|_?Y159EIDD\@Y*29_MIN?
963UO*XG4AWW M@.\$;4X&;&C@J(X-S=C<5?@ (4M2"J9.Y@UU!W)FU@,=H:1,|0WZ|'F4U>;S
M6Y|>-(1W=;?9G" ^?EG/V- 2|5VWE_U1CP# M#_.#? <'!E|& X-7&LD5H?02;Z=)MXVMJD-
7>L;P5MQPU5#0&7|&9|.E.M== MU3A1+7 |F2Q>%S2V7;EB4WVBNY(2OSS;GT9W|HS9|)#
<<66^S&3,=_8W1)|L M)|LY>HQDXLY\$HL+8Y9/;T'E"!@6QF)FJGFQXD2Z=8RSX@;H5EW|&|O\$GBJ|
MZ'FR4-0B)02.6F|E?R5_O_U0D4Y7U1#1RYCJTP|B;NA=9\$NUE7 M6@V<;+
"@IY>#IV5UA7W@,2LJV\$D7:4=*X;.!@MQN^)|NX3HNF\$5_E6Q5KNW
MY*+6_ZUAHYK% ^|(>2#=#G+>+OJJQ:;X2D%(&6=!/EZD0RQUG=0|_0;AIND4D63C%FDLWPK M;V?
Y/;%HNS;JUKO#\$YC3))E3,NUY'7%4QJG;I1|)_DN MWXB/1V(?
=|1&_5&LZR&"M5J.+NN<^.PVCQURUR%J39.A7(4;3UBFLIOJU? M;|0>_-LT-WG|_
M(T|O,N)S^9K|5;+W7O;6NJNYBYF20C.5GK@@@O\$|I'ZL%X MOV44R&#&WTV?
U!|)|@KF%L^#C@CEW=+"_DX)FS6J?
|-=R<74<0V|9*;N5(2IRW2Q|_|I%>^Z'|DH1:>=DHYUZ5B7UQ=WR;R;!!|@ M65&F;S?A%JYJV#L@R?
>75U4I>KL67681CYS !ULOV!3:P7D^Y"|2B3Q-V@_FH/R|XKY)?ZM2O/WEN2|UJL%M0|EM
M\$NU|T9SW@/9FHTIH/RWG-1A\$RKONSK!H %:OT&PR4)Y=2WD#PP<-I|J8*>YT; MU@?
#Z3N@7RN@N9F;)-<@ENR.M=O5Y4^V*RW7\$&W'+KT|^?^DP5,16? \$UM
MFP3>EV6!ER3*FK51LQD79=E#(=I%|L%<3M MBH#XM!S-

XZSH+Z^H+5.^"@NKK/J)L+!9!PGJ/(F:K6*:FJ*10WZ"W0!/CQ. MRMGFL=U@L!ST#\$Y548-
/*WIRP.8+>S*#37*63E9E/&NZK#6IL;B"KY.%:!084^01I\$6Q))M*G>I
M9)5,AF%>5FE*5I%0W7GL:B.HMBH"U5U/FPP-61>W./7_3(VMA3\$;'JS!1-MS)MW<*I-
T\$UY;>_K8,);##IPNOA/=I\$H\X=,(X!,NS9J MG'?B7>.4.6I21,8AWB0
4=K\$^,/TJE;G^L/O4G243J)\FDA*AU&?1T\BQ(C M2:IW:j-
>JTC>007=B/N^7B(T35?.@I#N\$2)4(B0M3I(';W:**YC2'P<-#I2
M3)@I^, #:ZI9P_PA)L5S*5.WDK^2O=OFK4L=D5#Z,IT4U*&M4=96IB6L|@S7;
M;M:55J/5*A+&.XGV""OB>ZWU;V0E\$^9 IX>V0/58I2LMP;->J=>9-KJW;
MDV=VB/BK&F=F'PN5|IT/DI>2 GZQZ<*[F<76:0V!ZIJ"5H=I,B/YO(;Z\7 M^?
*/XV5MVDZ)>BWV>X*L|I';2; MM5%K4&|XP;Z8?"F5,4DAVZ8?I6;BUNE8?*=-
D;AZ^UNO&MA|IB_Y.EJP%/R M9"I/QF*KU>+)=FW4KC>&1>(-DB?IU3;&+GAGJC55B+
MJ6#2XKZO/WG8=-E**>00=-G"\\L)6P:6:'31P9F-91E6;L\$A9EVATIF4*;2Q.0 M4RA-VL?8@Z;J|@(-
\\:2SF\$|A |EE3G761M WX.ZO2IO.\$P|Y.(B@KDE\$! M:ZH\$3%:C8%/ M"1@#@YMOD-W(DGB|<4_W/I
M>(U#LENB\$UOB|<#QF*9B|UM^IDA^)|I1E5 VOI?9VK|8>3TE89S3DF)SK70M| MA?W
OTOG^B\$XUT>N=!)::JTAVG?G7YMU&G%RUT.WY5UZM=+;LL^:WIGW#:0 MW";10A>M>A|H'U8)
I2?DI09+B6;JBD')BLT'*&..^AM81/B1-4T0Y%.D2AH=W&[51LU=D-\$,%|RI/_7K)1#GTXS*8J'F92(*X_#
I6 MV=7>,D#ET7M<)>ZH);2D'OOT*P;24\$GE|I
\$PWN=9;MS(ROR")TO|VXIX;3)RO(OQ^68%!O=5\$|:'>;UDE4RF14Y6Z34DJTBH
M|COZM1%4FO6!;DDQ|LOF@J;->?<6MSC#WU TR-K84 VOZLP4S9NEBWMM@ (ZK M*3_I;1U,8(-
)%UX/EYO;KVO&./H#?+V;78EG^Y|I);IU4:|TX|4T^9|V9& M9/S@30(0P4O),AVKUT;I0I)=>G&E C-
K2OG06A' M(E0B=-/ CYN6OY*V^U6IPR J'R;ZHAJ4FJBZRMW\$M9|! M6FHWZTJKT6H7"1.=1&>(%?
&C|OKX44C*IXRL3H|<I7#&2KTU;-5|I>IW>RC! M|I9%W%6-.I//>I%_;L I MLVVF99'Z4_T|T|^8K:5|/
'2JO6^72QJJ;%/U2|/L,5F)=|TA57|TAR?1 MN%#RXW'S8SXO;&SB:Z6&HO<;.1|V(G7DN2.*4N>K
8)4^FF2N\$IO=|V03 M>;*14"HI>5+RY.'P9|Z6|&9)|-L)|9 ;VW6FX-XB9S46R4'_C_IC06WYH+
ML=|NH|)9LENED"?9+2T38D<>^YS'7X>.OU:|<)'7?5+|U;@;42S3=G!54K| MD=G_=ZDE2?
2\$Y|J?;AZ@8AN'H@MS|/+8=Z%Y0CU?|C7U^US5W MYATOH:NX'+QH!)>HSR!<%^|J2T*B=
<+P?'C|D&PVTDD)%JZIWULJ.PC|.3/E M^5Q|86?/-E_GZE36.R%:KRK'P|2_1.K|KIW;S;@;=G>'?
L(*=//U:_'2Z MM9?GQOL-4^P7V#|6:052# MW1\$F^XF8_.WZSV_73T_*?CR'^.*^7Z|NGZX?
|AYO%:N;S|_7Y|^TJE?NE M//QY?'FZF|<^|F 3B^(L*/L5W#;TZ*BF)|TY"(N!QTIV |H8Z=|B%|Y?/
MW@&IF_0F=-GZ,QU6Y)=+G|+|GPR'Y|U^%UE%Y/B)!PLN.@?*(I_WNJ= M#QJ=Q*|Y|W\$SU?
=JGO>/'9SW6GUY^U.JY0UM>#M!A5;\$^Q39YAVRTD&*Q? M5?^|R'^@^U3JG?
>'N9|HJK/6^UR4%XFG;J|Y&?DIU-KT*|G-X<4:TL>U#70RDB#^LX,@ ?>&^,ELF6F1
M32+G|C|V6Y^EI'5-RAUWPN&;TP%;FJ |N_4%?9CPN:N8BY>L>X|U'F>WHE|
MF=V9M8#:'\$|VJK5|SB_(- MBDV)D|7?Q:-TKS06QE7X-P:"RU\$4K"
|ZS.PO8K+!|7%65#XPN|+T(GDK!7\$ M:KJU\$;BRK7C#_ /I6'N\$-X<4OE=|!3JBN97^@.X!H#;;I2F|
12B|Q-IITJU_M+ _9|!?)8|P:.*3AI| S!:C%K|I\$2UP/%DLGA=|'%<5VRJ3W174N*79_O3Z(Y&M-.#?
(@.@Z9-OEI/E'#U&O%(+E\$A'+ZE#UP+-"WFTTPU/TZ42+>6>49D" 6T MZ=|>5/M4T?-
DH:A%2@.@ZNA|I=90UT!|I\$"=R_UT/W2ZZ\$/K.I9"M|JO-KA5S#WRZY@KH!DEAQT.!QT
M3#7'@_)JCB4722XZT2KA07E5PI*+!)>=5%WOH.RZ7LE!DH..K1)W4&8EKF00 MR2
G53L|*+MV=LN-R7,U1&|IT9MQ5F&J:L&Y'44.|H|B6|MO|=9;08.I M**SF|8=?
W'N4|OER:1XIXQGN:6N|JNYB_DULXXM3Y>K=?V)DJQXI(V,9@VIX;
M;'O""UL)FTYV,21@4|PK:2A\$7U8)%B?1<0)@.2)L-X OU^4%-JOF#%|0/*
M1X;W#.4B*SI8?;I9ZE(VRWZ1U^&C@L6LA,JLW.ZA27#_%WI-3@AK@;Y?0M
M<^F3^J|)\$|A%_|T:^(PT8B9H=&P8:(&38D8@X|(2(A4NY.)7>G1+5|4W9N M5HF=R_38|RM?PW-
9EC9^"\$ZZEQ_^[Z4|I^@XLF8B92038IOM&U1V+IXS:%&=TZ:B-|=-HD=;HO(H4)FB=.;E&+&
M3;W?*)S3N000ENEMK|YN3RE89|^JPS3RN@-\$J,NPPG|@WZ77_1"|B?O<^CV
MULN_L8;=Q%^QZ_63%71'PN9(-Z9HC40EO<0(ER\$^>&#_6>B.|K)'9K_I\$VR| MI5O;
YM8+R;=A7JF)N#X80(4*|54-S_M3!UI#|+69WKMZM)'VQ27-;ZARJ|/'_L%3/%GP!-?
+9L\$WI=E@9,E\$.#;D,)AI*)I(=+AW\$V17?XACN-AH5P?|IN7IY MU:VB_X"FE%G=1
B8C&.#U5SL=*Q0_E0|_A7OW?|).@=K|S|&2M.OADKAVD0 M2X.Z>+/%;G|H|T6*2MP0**|6-
@:GR#;F71=AQ?15WKJ;@/|C3J0(B*F,XR M'K"G>,*?)#97-XM;"-
|PS&D9A33'7!4=CQBTJJW;U4IX;Z29ZLZU|MXS5XMG>S.N5YMU"TK>;-*K'24|FL
ME+*"N|OZXI2';LR^K(+E_Z1"I=|7W_R|"U@X65'|Z!"Z#VMV-4#FR_LR0PV MR5FVZ\$YKM.#JJ&X!
RV@;H*5EML>&|9&_7J_&Z_?A2)"\$=X08PY;3|S;AU; MK4GU|38Q+;(;GU=*MCG@ZR6K9#
(L|K)*4|**A,JNL^ V0FJK(D@M*?R3V4C0 M|?>OWN(69_G|BQ|9&OL!PY7^IFL, SOF<@J;HDXF-N;?>
4((&"I^|=/?UH\$'
M|IT4Y+4@NKG|NGZXK+|W.4KO43XE)67(0L"F\$>Z|5)U9DM#"A@5R&^N\$|8D1K>M2.?\$
M:%=B5&)TOQIT3HCVJ@'1DESM|ZTZXQ8IFK=|V|:1+|F_GU|!J."G!"B(079 M"QH4U8X/P9:OSO6'/V=
^D4R;|U4:|_#/'G*W.|I1&AFW3@#0H=' MB%")D+1>KCD0TFK410%YLA(?!XV/K)9+!G@T08
..OL'2(K=4J9F)G|E?|7+ M7Y4Z1KORV6|?5(-
JF517N9NXUC,8L^UF76DU6ITBG<9\$;V7^9A=M(=F+;"| M
H0ZL;+Z_P:E3L#|J;+#+=>GRX6DA^NUNXCJN:2(^|B7(MJB%O#?OU5C>N
M3I3=0FX78\$A4"ZK&3'_;L-Y,8|V\$CT8F-A3R(=1V5O:AR2#A-U;AI+27TKX;
M;=_+DA)7@K3/R508NQ|6|YVXVG1RQX'D=,GH3C>K\$@CP/KA|H5A;
MZ!5QO\$INE|PNN9US>RQ@5BUN|R.W#_M%B@EMTMN|UYNS|7L*;'/?'X'B|
M4Q^4=|24M&EHPL&7F3?C:5/++;#7YD#PIW5=|S MIU/^P">BC9<#|JZ?
U7M%|T.K0T|RK;JKF1(^.@J-?GNU/HY5/%V_? MH^=:#@W8NZ#L?H;^_RN: ^L8|G056*QC> 2|1G>?

^&NOB2VXCWM,-K)D7J& MT)^X7&1??=IEG4&_VT-GJ>==G>JHKN#5D=M-
/H=5>VQX;^::'6+JV9V4(+R MPLZ>;:9^/U.G\ (H7JO&N?CC(1>\$-AIT62^JW8,T9*(8C9?3IQVJ23;=;(QE'
M%@@@ZRZ9N7Q<@FIB-OX+EP)59BS*S\3CXK_2IZ^X0A2)(>_R25W-M(U\$.!:=;Z+#Y!:3M(XL:M8IN?
B.W?KO_|=OWTI-R/+_IQ?KA2KF^?KA_N'VX> MKY7+N\ _OQI?
_5,:W5\KC'U\>;ZYNQ@|WUX'^_J*W)Y=*UT&)S%^%GY;)4(S MB@K4!/+/3=X_4Y/D)\T(16MCMXA5N-
HEG 4?UK#O\137UOX@Q@|V?WQ1'=VY
MF\Z#&@7;P#J!./H\Q\EBSL36YZ2\$F=H8CMV%Z9)B9N@3G3E\+PO!NAO@5\5 MY/J?;BZ8-
G;%9\(@:N)4ZQWVT'R":\MYP?"P0!;N3\RY>@;H?R/&\L+_Z%#0= MTU6"YRG>
SUE3;SSTJ\#=#+9\!;:FLZ25\6J563\Z8X7.'17GV0X)+_X2F@I
M\|D&P4T1':76V4J*940OXC;T;S'65>WA1U=:4:Q1@ M_=,Z_:+Y6?%^>7_M?V39-","?"/N*;
H6=%\GU1>#.L9Y)/+)C.37OOE0S&8 M"L<9&J3A<.H\8K&WIAAS1&AJ'F"1?("Q%-(UP(
@MR;J:ZB&H;UKL!%L!5@ MY* P!%9P%S;K_Q5X^,O1FP |H>RF.-M51=.;J: ^&L"#QH0
MEL8.IZY.0&ERO6^|V|*_.8D#L.<(<)ZV9\$^;4Z10=Q*LR51.(0N1OP.XSSNANKTS3P0!\$P&G^MN_!#R
F8-[6.O^F?&C"BP5"R<2SB\)|JC_:M@ORB5PA69?DY@?_T%VMI:E MY(%*)WAKE.7A\$X4(?
&\#*/2YP5N?1@XAY4@E&9JKJ9H/6:|SFVI\$%TWR<"U M-?YP_GBL@6H"-#)
'R.MSO)D:G)#S@+;:/QU/+|W9-KY.LXX@|C (MH9_.B5& D=0T!&^ OIX(:D\$'SN+9T?
7=)6&2)*0!OEEZ"HJM:|!|S-L.HM< M.%/Q\ AY)2IOP9=.*OP^-\$=N@RVC52?9IA<%(SPIW-E:(C?
BM=27!!T#G=/ MB55XRT9XP#KP5I\PBX?&WM*S=0W. (8.Q5FZ&#LXL^SNC\.\$1S>>X?(@SOT M?
|'E9&9Z'D0\8W"J\<| W=S\2L\$|S/X">|=I=HIS&X"J@'T*8S\DSAU5OK
M\|04=+A\PE\DGXSDYMI(N\>ZFKV X>A8MPA)C3N?6.QS%<+1HNLTFK@"U"XF8&OW\$>H8-YG(:
M58EGQ*?%?;PJM3 MA"X %YS#\BCL33467/V ?.)1UT M05P3/7OASRV'TTMC>
(OH3ON\$!&7CNO/^XEUUQ\6O(MK60Q&<|7\GX*>_S+# MKW#9:QYJ25\$B/;
<&>@:9C^P'5/T\8AFU\#|0='J|+%#W\;F+CG^XD6GQO5DZ M#/Q\|<81P*?
9OP*T+8TQ\$UPJM=|X'A08:-S31.8MJTYCY_@9*A(("XPVT M8^1+P:P@M>J; <+|'&%*B/G)RTB(')VA
Q-NZMW@:/6(6\|L2\|HH7SE#5195 M+CP\%'35D.@('M\$FT\ ' +^0/\$&!;_M>X40;-1UD,L0L'-
J*N\|S\UR_)FF6'3BX#ZY&|X*H?&/%!JGW53O "M>.^J8.T MN@0IE =&\$'9_WS&KKHR-
|HJ'KZ=3G(8(RH?JG|C/#-|+)"_ \$%%1Q# 13N7\$= M&8&BLJ32X*02|QU!QT!KMSUT@8(*)^ 5
7L<|_Q;#O+7\$ /A\NUHDH'@YR ML.L.@'=6EWCQQV9M+S;LPO@D6=FWTV\!>)P\4\$X(&\$1G70
J)Q@3?|>C@P4# M88)^8^U;:>2^6_%V8^CPL?V|>|1QZLIO^VKB7Z(ZWB3EQFP|EY"OU" F%K|
M%)WT(!=MC&*#P+%L|<6_ |SN_EKYU0;-^IOZG2E?#?9#>?2|: #_Q_QG..VQ= M 8<8?WC?E3\$@B-
12@P0S MIQ2&%OW;_:7WRQM_ |1ZU?ZZCZ^0-#QPB^U<+|JVI^X|B^;>TM8)R2J?534CK
MP3OP!^| ^YU;BWF?OL4X-37\$N FY ^_U@)6 MW|D"N"?=3:8P;
(Z=KY&"@B8?|SVA!!Y\$Y4AX|686;\$#JRN-GI)\$%,*86AA90 MRC@L=J^|A\LF/@S_!W^\$88B?02?+>|.?
O|V<|A=)GCF,^WW3_!="AJB!BB< MNK #P/& M!'^_ |T\XOD)B3&;KR"BE6;C|'|H#A=W_|)3+S#_U/!?
H3O/8D-6|W9,B" MR3F98;S#; -4 ZGH^7#@G5:'2WR0)7%_Q&.(A@A^PT YYH:"9X=\$ T4-2+FM
MZEE9BCTCY0?|3#PG%T|=,?WVW0:SG8+DTR>/^@' M& "N*|<+VYHS>+L_3"^D3HX|A?
S%&**,>AZ6@U2Z2Z8MJ Z&|8H\$'-4\5027 M_H+(O.#0C9>6(I6XSMC4KG_@9-VLTT1#%0?
=VJC9:ZXH-P!&CH-<|(P MEDY:&L<\$Q1SF;\$(*FPUD=OW(V\|OSW(!!'5;U9@ (P%\$*4#W(SW% M;/|H)
|Z M#'|.)OFS44^KETNKK|ZR/'>T(%INFO5JH^\$PA61 !NX?0FR'+0!_%!;ZORWY M%1\$.=|?<
+4M#4'CF\$ACD6NZ7!%VAN6H8L_>2\#KX1'Q9WYV!&UG*.Z\$W\5=@ MR6^ JSOS ?
CJ#7.Y\4N51>=9|9|M@'B<@TG"<8LGPX1S>%@L2I|P>%7FH 8R\$4|0BCK3;:C.)7:F*X
MUR.>C<&=G\$+(!\$XR)|"BC<\$|D'#BH"-W\IVFWQDZ_CE)Z\J_%|H+X# |F;MX
MG8Q/R\Y!\$)O*"HI51YZ&=I2(I/|I0LV JNM0L.D>7+N:: M=|Z
D6/@>B8+VV8|0\$V.#PNN"PG+,Q|PYR%T3@GW 9W.+Z_:?T^QT+-G'#-) MKDUO+#UW*_%
+.*=!\$2U4 P/#2X4X@_.OQIJ&(F*L4 '-P1|MZH/Y"Z(D\$ \$ M52+T\|SIAU|KWAQ\!;OHQ+5^SWYR?
EXF^=Q?_"6U6)(=A80H'M\$MZI\$Y!-|J|D|O|L.*9B-@ M+BZ/1YKCS-*Z\W\7@*G" ^QV\$.?A|B\$@'?
3^6/B;BE%*7#. ?+5LD#OF M)3'3Y..IE.L'RS|T^ ON"IPW6G\$CZ1.XWB)\$ \$QOQ2.9\$B+2B9|.M.V10"8X
MI32+YW\$"|!>.B-51RK|F&6"0830<|:H|@EN7P\$3305E@J4!&3K/<|A*""!
MN"F=0)AZ0G<4%^K.DSNO<D6/&T9!\$KHJ9B_XI@|>7 (I-O(CBIQ4C8.AA M5Y-70.+*#0>-
\$VZ"ZTJY\$4^J\3W;=+|PT@5AR&5_5V%OPF^6WY_:C2P_-6! MY/+7B|YW5:><'6T1)
W2T1<|!|QX^0L(8B>4PT4B;2KXPMN|@/RO_)@N*^F'
M\YT(&7K|!'">G3;&698;%**2GAV@KDH'XEYK_*85\2!_XB'|;7HHHIT_E2(8U
M3X7\$(!/>"81@*"OB_KJ=!.35F7+XF1O(#W\$ZZ?8JW"7BF#))1*Z6@|E:6*/# MWSATZW!@6Y3 ^
D/KXI(#/<2QF =XPF*LR&:%N"/W\|07E M8.| 6Y%IH-K\$2E1J(+)V-.7=UET7?J+.\2,, \$0J%%,
<9XE=D0XCT\|J3S#K M'?
5:7) L3LCWFZ@>WM9C|RL4S#K7!'!NFU3W_*U\G^BGQ\$9BWB\8;R|M2B;G(M (JBK2,D@Y?8+PSM-
\$18A 3WR\1*3<"TAF2JK;WS MMA_P "\7*OS83_K3)BW%HZ_@NAQZSO(:^T@;_.9)9MGUXUD
M#@K8?7A>N)Z@PH=#DE"OH"FSCL_&|"E3|H"YZ00T H#/\S5SP&E+DP09\$< M_B7<_K;2 F%S|H@
/H&N&<|)1'!\$N&!=Y,^E_XO0@A_-"#;46|B2>.|\$|?;7|LD
I9|Q<7@708F6>)N8J/X61%UP\$SA4'2ZH)QJKR8J-6|(Q% MIL=2Y73.HA)R+LE_A_|H?&8"Q7?B8,&
M;S3W*|_IYZ|P=9A)*89T%(@?)ZS&-|/3|H-^X;:Z+R=0%32AX|CF<:'M'_
M;B4F#**X)?. "QLOM1#S3MXAQ^N,G^ (^Z*>PL|*W?F.3R?/WTQ=JS&=*TGK M15..RK|HX;R>&90
KOB\$E+PEY=)"OIPH XG=\$"1VW#/F|(M8J&".1Z^GO3M0N
M7V.S1>W3598SMS;2U=#%/1>4_1.9I8J|A\7P3;-+S|&0>E#- M\$-:^\$|RMY1
ZWAV.!A#O'RO(CUL7T?'|VW*=SJM?YDZXJCG@@@^ ^)5_"_0RN|K^*=O %DZB1E SI+.C W MC&Z?;
|ER(\$5H%\$D9MF8|JF*2LA_)QSY2\$*/PH"X<^P5M_|B.PIV6"4;G#; MQFG09X+|L\$)1EHCORJNP"1Q?
QC-K%DP707.|RWS'>C M/(8:'7V%AR;:P.1\$H#;,,RA:AJC3A8MQ9P,)C28%;PN"N'W&RT/&C.CW"6/

M4S2%I45WYUMH:0@+W|CN7U(8"OQKF|H=5,>(|'VE<<&K",?/_29F\$?4LV7
MBSZO%TK7@)H9^XG2K#:QF5O+)314|'48\$T(R|CA;X4"KC?P?R4MFTV);Y M;ZV;|P7FJGR-
5VHN.W>3JYZ=*\$UH|4<@1Q(1)A(XXAV<1BT|_*3\$!C'RM'_SX,F|CV< MSPV=^SD|Y|@7KTYP34?9
)T<5 E*+*)%V.(MV4=|^|H|(. \$""EGZO*T0/U)6 M^CO"/A;/|5^RKR5P:GO^((R49'
G2M_YG_3&\$.)3";N/1');PL'3T77)U)WKBPV(EP<@,Q?2Y M=Q:3)WUM0@6|:KQ\$|A*6E+J\$T)0C<#|5-
377X2PAI|QW0+;IGDB\$;8 %QNE M7= H"44RE5|E+|R38DLO?P*9 %YB;|17_LFZ,\$%S-
"B_RR|S"B4)QXD;-M#H M6 M%L#!EZHV; %,|M;C/V1|H(Q / ^<9YZ0%>O)Q63X.>'9(J-6YP,"T0
M&Y:Q#A/Z-7#3S3>+JJA)L>8@?9IW*U9@+|^"@1:O%>P6\$MI?0%7B'O)P59S)C
MVL)83D8(!9X3B0PK31""|ZR4;GKVA;+U#O?E4|3|9/EEJ=\$E5E9&6G'ZSJ9D MH1H1I"A|D_O5"F^?
%I5_-=:^UH|2,=Z;&1^@DC(\$9DL.L)IE4%AH^AB@BSO
M%VA\$(O_>@C5&@34L|5W^74R,>V4SG'67%.'>'T;'+4|#ZG;U)"4LE_"3BN0 M_"JZ<%
<(11+6_|FGJT<<8PM.6>|C)PD84I^ M,/=T?@;,>,(Q!\$:><^S08?
2P"\$8;W&"S@^#>:E|NNM\$I&|T4F9Z* MW72|5,=UB^, M|#J0TM".T,2(" "P1>*9_N-LIFL DPow::
(J~*'SKV|R%:19^0M124/|)"\$/Z<""E1S(5N.UG-|P4#NKS|'E'WP^.|K18#?T| MY-K&MQ7(P1C,E"?
<8GQ|V2V14@|X*N&AAN.->:&|<1\$FD,D9V&\$^MIX!G*I#>*Q4>47#/I=AEI/W'D3 M#6^|"-
|J*!\$ "D@\$2NPD9;|UC:1=|73FC,DJ8-,?JW"Y"GB%Q1?Z-G|1%,7_0:8,W\$O'A,*EX#DF^%5(|:=(R5:
(.NALD043_*KN M|I_%%B^_U MV3-|'FOV0LB"Q:!!A:DN1|R|F|BC@ M(|HA<%<
L*6NH5/+6SCZ#R=8,>_?1%Q&1%P:Z?0I@5+"LH.239E.40UJ|1RN
M(0GX(|*3P1O|6*,80L<">)+0U%OZ'DX(F|DZ9|=\$6=U+D-6|8ZY\$|ZC!!RL" M@/ M' 87|E |F4?
F&>P(D_P<|+7'L=;WZ/@E&9,6-.28ATT<@K@)H^
M)76)X\$5M;#JU^|B9K|@O=3PL:*Q5|OCF|_@K'#:7P>*.#/&&" HZT|@ M@8"6?E%IP
8B0A2<9;0Z\$=WGSU%#AV161EHZ|X,WI909D3L=S||%XD|A=+.| M-F>1;_FU\$|OFSD9/A0H2C?
|>TC3Y|KB\$H00|<34F&E|A-|0T5|7W.W8Z.7SRYG?/?"5L'AYZU_2N8-H#@M)Z,24|0S M%| L&
(2DU@+B\$&BA&)+QLO:@Z18:4K)|@?GL>)\$R| (29S#GGZ?*|YOG?>&K<20&N?-
Q,|7W;K9;.^U^|ENM?KS;KO\$ M10W7WNH3T803#'%_-Q_!NU:\$'#2L|W414-|B| ^2OM9;_X#?
QAWW2_O(-^| MLIE|D;:/IQ#8)4^5|2XC=|00S_8GT3-|;NEF*,79U4Z3+-AS|-Z3\$)Z-@%|D
M"&?7*08Z0#"A*X< *Q5<4|UUSDKF,1QW\$5H%F*=|J.WFV)#Z|3)AH(BL>WF# M36/B=SNOGGXR-
BT-|S0.18R96;-<00PZ7W M5O#_?>),*|TE5V%6T#L&^;X= _|NID7G^/|6S|-R. M*^|V%,
<@>LIN2/6/64J7JC!7K-+3A O?-37(>GH9.UN/O4(Z|ZXR^A2T|4A4|(0H> M\$-
O@(|F^3;L0>W9CAA)&4DZ+;2#PIMJ8JMO(!(|O'0D)*U('96RMINLS9J%Q6U M:T3>5D7M86O317T;!
E8|3;02\$25%NG-H6'SF4GG3J
M9QWY|X2#7\$4089,GH/#NXP"CL>|)P;-5Z;K3K_E8B3XZ0AS%(@));M0KH2A
MO^HT+5"EAO|K5D|+|7|8H,FKVL19FWH&J8;X 04=3(K>7#/6".XXO.H|'95
MB46W4(E%E=,B0Q0XTC0QOZ::5TLP/DB1OS(|3^0<:Y%*6C%U3%188/FCXM(|
M*T#A.*!1)"MOYG=S"?|">'&JVXZKV NX88CV0;T03N;&M2#@?Q!K@BS(-;X
MQ6F4@'E_QG3Y,#1VPD^|B|*E7,T=+5QHZZ':*&T!|FG*/=VZVRU@73J/N
MOV=N>^M"01|*PJCCGVV^6#ZBW6;.G+>JC'5,E#WYUY;8-F6)K2RQK7JUJ2RQ
MW5*);4*U(7S:VZ3\$UAG|':G_U-W9|0_ =O;_O= =DHFJ,4393X0>= "1">LKU: M7QP?
|CU1BCO;EXHRE_8H_?V-8?XS?#%&3>.H5F-#)M:1:|J(>)D,Z_-MS|PAN-Z*%7:
|P?"T("BT:X@T\$%#H%&-"G>UT;"AU|EA?3 ^@7UJ|H(MVMZ M4R>|%G,2'A,|";@R-"|50ZU,0|W| XW
M-XE8%.ZMM_S*7CUH).PIVY>=^MHNY5WR_X_Z>|#(| M^?E0>%Z|1|1P9R9.I/+K8:@-
V#.V&M6U8*Z:WR4/(R*625./^/OZ#9!#|5%+ M78U#R|;740TG6AT#=-.>5GL)CD5B"R>EGLA?+%>,
(F.L;-&#BQ;>J|ET86%|C M3&Q|H070<6?1^70|(|Z06C
XXI*|050(>75=BEMOZSK*2ID|KU)98D57(4* M16^HN.E);'R|!K&C|7N|"@+0ZGOQ!..GD#
>./|C_|4"W>6|1M*NNJ/50.^ MO:\$404\$^!9E# A|SD7(\$B SP
"P/U:6)>%5SU1W&0C=|!GV+@T;YXW3F>8W M:N1N06;J_A*X<, VE;SVQELGM3GC3!>L1+59I*,
GX|WR-U@S_U1NHB+M4?8BH' M"C|^B%2|Y_6R"-S7-
W_|@'N8\$FF)Z7CS5^YLL2\$JC2W%YI7BCN%;XQ:P""Q M|,POHQ-' ^%Q8Y*
(W/L4QU"239B990>EC>,9C,JEGZM(MQ_&L/GI-WG|@-1% M70;|UZ3SZ1|B3@1%QJX4E51W|'D:
<'>|,H.KF2NMC9Z-G"?@F^8D.*X1+5 M18<(G|Q|H(M/#V0N4*VKGR#4CQKCLLUH@12|+M
(|JGTB).@X|E8|B)\$H(MR<'YPA^?0&6H(25@CFT\$K85CA,2MED0X @:2CNT)L_"8&|;\$|XANK97\$&X
M20).W\$|IE-|HA/HEGC|ZJ|=LO<1@V(|@DE;| 6L,5JPC+9QQIU\$C3
M|E0@'77AN2ZT2:Y'ALB'MS#4|T/N|H?C'N:*V|PO0J0TF""&^L\$^|+_PR& M(7OS
ZE!|")WO:0(W|07%PZ02:5::|*859?GC^|BTBE7;@S2|2^1WK^N&PR M,TFG1N63=RDE|
(L'<26>ZBRI8R;- \$^+E|33R*^A^19*1CG&N'FBX@|Q:M(XX MH3E,G+|^|>Q8-
@P*M7+0),E6#&@G'##"A|/D_%VNCNN>I^@;Z#-4!|D8;|U|D M_=R+VD2>
(HPKHE\$D=\$OZCV<1Z;3EA|CBT4-L=;OQ1|4A|0=P_SA^79E|9 MOE;H@KQUQ5|@QG!U@F|L>I;
<27J\$#E+7V|=A/B7|,PPHUD\$5|,"?,<8G^T ML+|(O)JOK,6S"Y:S/X"A0)3^\$OMDN+LQ_!QS"L&G^!Y#?
J=E M;+|OOS'114VX8R?>QU%Y@KT_!^|&?1%-Q!OH-R?QE))SS8B;8.Y^?%MPJ&X9
MGO)7#|U"C*3NJ|'HF|_MQ=R=8/<2/LQ3J,JZ%0P="@|1^+OC.8;AQZ*OBD+M
M|+P03G#&W|'AC|Y'_ "H'AWJ|1 =1QC:|>KIM_Q>4K|H+K9\$N< M\$M\$SD|;V^+WGQ29Y WA6#IZ,
|A:2Y0#+'(D^..14OF6,@:X';|JB-E5Y%|&0UNR)/R3O;/E>51>4J>|,'7+TW>|
M)8R^PNQ|H+O&K|QT')@!&#M'6::P|U?&F4_Z6&7-C7Y K|7@F80BL)3P.U!N.N+Y"4:2:1#;
M@U!N0I2O>'M=K|UEH);3!'079J;F&WMD_0'BXBUF=>>|(|@PY?V_\$+>N^MPJH
M9UJOW!DC&ESS&|=@"AMCGQF6|9W/'_#S%,+OY*=P<\$X6\$+_HWUZ@;GGB_-| M27-/
QY0'3|@%3\$0?4|W)BK&I8AJ?_#F1|!55-6|VSHW')?&R Q.#|
M>|V;PX:B@::KF|^T0Q(Q|,9/K|:OX57OFH184.>V0RM.&.=B+WK66>C7G@ M@_41A>:D

M@)S2YP)O_CH\!M8\7W7L\!/\1^PBLFATNL?JX\+IYY#HR+!7@CT5@U%&#RQUXN M\$2V9LJH3=*45
Z)I.T/\$I=.(CGTZB6*A<(VQ5)=WC=,US7 0G)JA.7.9V5F MO>/QY=W8YA,9D\$YX",)QX'FX<.0IG?
KB\!M#1GOKX.CG8Z#7HP\EX80H*A\Z MJK;105009XR&?&M+=XS@CWJ@"@WL
V>3SBR>EN+%\$E>X3V.>6\$Y/->(7X\1# M5=9<L%GJCR)(GE_J3,TA0A#+
(%.\$XXV_'D<:+WK76,Y8X+S 75-X'C@=L(f-\$9? M+!%1%W7,YKH\$/1/<# MA4+ALT2/JJV'(TY2;W!P4>
,*MI?8#.,+9234\EO-&"2T*U= '% "KP_ =4(MA;#3_(B.G(4);!I%D&@%
("0)C\I)Y)RN79UD*V4\WZ(,C1#B%Y@Y2(/IZIN MTPNS96.HC.^"SVR1+"UAH;19YJ7E 9'_ \$I-!L)K,A
XP\!(3PMUU; MP5I=OC98&GEAL&CPIFT2C\$8'&J4?2;"K-) CQ1#&.!DJ5+/"D3 M
WWX\G0JQAZ%O.)Z\Y9\@" ^\KC>/Z\J;R-%"&+@\$%=5=JW'#!Y5-V&(>=1G(QIW(>>&1X7B! M
**>0(TXC5TQOK*^/[+>9]2C3;DCBGQ^#%.)86JLHL.'Z4/EXE9+%%2,*JE M"
(\DJ9#G\Q/TEG"ZT7MXGR^B\)-/ S-6WAO>I%B^O^"]D7)TAD29*\$J9D^! M,K0BQ?
36P3LFUUNNS6WLL0V=BI9HM?FW1'\$@JP5R5)+G'HX4@\$QOPIT>(-% M;BW;
/BL_QREF!># #ICZ\!H..#?H=YR"2=ZF+(.3*(A;:6^O2K\GAIS (^;(W M%G^X0S\$CS!EJ8M_N8N
QQ+A* QXZS->@\$<5M&3-QU\)%:RKV4Y\$).G=S0W MG6>5(!^JH_.L=)Y5V5..=)!5@?*"L4KKOP:?
##7E6G=4J\<P#>J.K2\Q#W\ MO'UHHJL8N@24AP.L)YX6:><P<_IA::1N?11JT
MY4QMRI#@_BIZNDHIF4+;(C/318G/A,U\$M@/5:@G&W\7>;D;K.(S3\7@#ZE+ MED BQ3P;+!TVE;HW
M=I6TZ&4)45AS>%4.5ABK6E&M\4ID"TLX#M8> M@!LLD= XN'0F&'J8;RSMJB(;*W&1R*6H4P-
O'LO*EZ..NK*B00G51<*[7T9, M0F(MYN%;,+D6Z#81'DEGF6-
^X) '%R8,U!4RN875QV&:C3FGC;,"UAZ=4NIO!E 2!4F!O% M=-#,+*>_TU!\^A<.090#
HC4G=DV2S"]\!#3LT^S?9AI@N76ZFY8Y@P\;\$"!MXSC.H\8\$,O,YX1C M+ZZ\LB8A?F3?>%Y-
1H5_7@0=<0(R2D7V>9-NYJU_6R1H=%N&(Q8/E>^S)"B# MTY^":+'WBJ,X?;3??
7<<.SPLD<1T'C<"T1>B3Z+SSW;7X_SW+!E60525\N M1Y?CR@4*/_J0AF 3P5H0C3DJH12_!AWCLH
C2V8N9\$'_RVV'-\$Y"JVJ/VZK#-CLA8PA;R\#X MB5U(\TWW=?Q:B5> XEUL^\$OL^Z\TP#K;^NQ)
!EEBV_ (^>D.W.K\TI++?T M84/X\Z:F9)O#,+6A\@0&S%>3L^4#5QC\PG8
T60GZ4.53'WA'6#\X.%Y<%E/ MGFC^D401A+=IXE%>3=PM2A_8AHW*H&\$H69*T_(JJ
M>12AE\QVLOX8\89YH-6.HHQ;)T6YP?)TE\<1(DN08%YXA%QPWSG\@6\#DC
MBLW7A\$KJY66BK!MQD9R*169?5/2X63GSZP;WQD8+K9.PS*_IUGV2F&%Q?>Q
M/O^!8ID4;TJZ5B+X87.1XA3_@)7E 7Q;T<='.+?^LZ6(K<:EX.WA #3P;5Y M0K0ODX*538,P_X_# "<
M)V/OAG-*4RB5LW?/-69X)4= #1@H)%06PQJ\$HA3C"OL<#+!3SWE5(QJ\$#B\$NO
""9UR%@+FQ,"C\&.W^ M#)G-+)!>%=-!:_LVO#"M"L\VA B@PY2> DY,QU_2EVXFW@YS29AB8_Q():
MPE@=9?5'BX(\$>^P'_ "1 E08W'" A=GF5ZV%EZ^HBQ,I41V&.KO)2I%/: (K2\$
M4DW&1533\$#%#@H(Z@;>".002,LG'(G/P9;^SC=1%AUD(8T0H#;.)3>+(>?(!DE M9\CF^?2AY/&8H%
(\$H+K^2\$ 6<)A*@N9UG6.268I*T@*9\1%U=-H>/2-RB!B M^46"B!E=(/I3(+8 *>E1TW42<IKA:4
MRNRTS7,,35/B>17IH/P2VX.OB%MR54^0S&).64;P7=XZC0@EP;A'YFI."A(M(U5L)\@RXY33(,/\$Y+;
<6&RERC6.*6H;MCW&)L(>\$NNANQ-% M3L1\G3RF;U/P \?K^0'AXN)A!S&.Y'C\N>8^\$L\$J<+ #E1
MI^F/7\AD@3RZ8<:.*A.20Q Z\A ^V\$B3;76D3A =G1-&%&GG"?B3;13Z\ MM21AZPXWT#4PF&#
M"\$\@"A\3Y;P#((K>%FI;"&*CLF,F!\@+=':(%:RAD\|R)(=U=7*83@XK>YZ4 M3@X\4'+8,#4Y;'1DAM-
NGD\!M4.RQV28+KQ+#'F*L15(># %>YZ\>%\;E; MJ\ZY3 R*ZD\4DAMO"02P90;R_#-40LC-
5.F9+V/XAYS?GG(3T8Z\!64MG#(M(CL<!\AQ@O,'<.!)HEYKHECFH?
98PHD*2_ "1MAP(^(\$52F.F#G9YR-I#G+ MVR#%S!>T\$B=GXAV1.P\W 3"RT^'G^X9)00SKVHJ)^
0P\O-\$\D(-WIRUB" M&MZ9CFT>Q74B#AXOD?C%L6+M*
<10@I(!;9@SS%X\BWK2B/B8PDAA.1'W49B\ M\1@/\$DA: @PVS)#
(0\;9B%"">&;CHW\;AI9=M*N6PZE4ZB)2\$?IY<2M/Y.6C MF40Q V\$4DG+CQ\$NXRCR80"XE\^1-X4/^
{9TA5\$M Q&J4>)8V)PT@!&.R^& M0!%+!Y\$;.H(+Q^!5T;E>%T)#X\$JZ;M1R-N7-F24/?
P>M8>2^,CUQI6IZ#>:-^0*5(G%7\$90 M6:*
.4J\3"1S+N83D>H8M1A(I(2*FWU\LAQC&6;3D6\.*521F"DWB-8_T>! MI#B",)5SC! E346!)=I0GBE)-
PM+J,4(Y8;*9)KWR2""N_9=&19\$S5OMY>B MA%NP\YC<"(G67T6%QQ'W\B((R\;#&0#XQ>(5'&OXA
H0=@LD\TDVOENI2AQT M*I@32">CG+RASK\Z081X9Y"0@'RJM*LD;1B+_.(GL4QJNFY43*B89O)1
-6H M\7;4E3,1%(>T8+6)23(X0)6\$L4Z2H8N<&A27@7DYY.@2%/9""2BG#;JO(8
MR2"7UW6W7^_ VYS-/U\+2\MZO(&:\X-0B8L5"KGPRTE;"\$4?%2J.<58J'Q\ M&;OF@8E%L_-
EH9JR+H(+!P0+R6U!+F*FJ8"OU46RA2W7V\$+*QYUC8+H\$S;% MYXBD-M*JO-
J,7X6@+K0\8>!/2.C9%:ED(E%FGUSPE\I_-LI&Y;ZT+NMLQHF MAN7 TPX//\DN\!P-@!6
LWB90=3,27XSC G%RN\K2_A\ 4J4?IO1<.8\!P6 M\JP6"DR2SPI_A2LQ>T(>J;#U*J8C\W
1?)F;T529,)772^H7/J6@P48H>E, MYE2%R;><-
(=';5@;J5=*F4Z"98T&157XNZA6\$OU@/.76IOC;IT\7H\$%O?A0
MFW;I3*+&-9<\$+OFGU>.LBBGNI.+EA(^NE+?53C3Q0K,O\$MY5W10Z1U0/10(2
M_#WD#Z9LPW7=,9 7>"QQ,%/8\!(72HZW)Z4%ALW\|R4FR#?CAFO'%P\%XQ4EY M)'
Y8E%=L(PT@!\^A\H C.5XPT*8^D"V;M#U=\$B01'9*1FJ9\1MW#1.?SI7 M\JO3;IR576*\$=GU3249GR
I2-+"M;6;.&17M8_) ^JOARA\$R:00\19X%@.TX9 MA\|DZBH5#-|WPKU72URQ-';
<\W/+Y/7)8H)68\/^;TA\;\$!AU4(6\N(!)."T4 MS4\TQD0&F) *F&>K\$OD+)GE\|MSS7X="7""Q8F>10\!?
E)\ART\I.L1Z&"J+" MGBN"="HV;5\E!;_ 22*EG(B*Z\$4(DGTM700FOE/> %.-^!3R,6R"B:%5S9,6
M74=CJ\T.IE%GG20,TW9\$|F7S 8@<9M5H)'8.#%A\I3"JZ<>S;)W&@;-8\$!\$ M2I K\|P8\|C4))\$#) Y=?
5N4Z\9RL.TL(V.9.LRAP)T)3(?Z6A??>; &VWV# M(QV17XOBS% C'0I&K(GS_>?355(E3*?
RF*^00;NAO>C&+>1H^|M*HR3)0R=3Q/8RR<%ACEH7Y+8PXQ;WE4\UP5J;5<\$A\|S)P;G9PJ6
TZOI(K"7J;8"7X<=<"S22# M6"9_1C3Y&X8 >6('3P\|)+@(&+3^*@&_K^)Q\;KK\A@4=E% ^JF

[XWM'Y4S MR!;Z4KY(F/A)R2_%%Tl@CN'A@CQ3TNJW9*J2#VH?*>^BK>>J7C(@)E?.3UF= M^&
[S[4S(5VR\$*FH<(Z&4XC#;=<=>==4=FS;=]-? M7>?Y5S2C>-#P5EX11Q;3IN+R4=MU=EVL
PW'P9U43@6H[18HI/*VJ\$ MI84J5P/PPAT(UN([MS&.;)I@912\$J6<9B7.661H\$VOWZ#)H76CS%X
M8@'2_81^UT(D0=\$N+;C *M'@3=S*"&MXR\N(K#XTAE,V5.5*2%C#(5D_MWQ% MXE (A[4;NY&.'7J!
M_+8HRFRJA]&O1\$PJMMUAW7X&X=NA9C\,UJ;PQ=0-3"_)V:IV!_T:Q>ND[E> MOS|T249%BJG1 M?
J>S!\$R8Z@)%5QGK\3_U"!@HP6>*D8)8?%J%C6|0:%CD^0W,AM4/BC.##@%
MI6?)XMDP!77"9JY#3;28TKMM-K>9U-&F;-(0TE1SKA\$|J?!>GF*XV*XR|-R+
M7>QVIL6.@)@(\$0JLYC@N \$9!2J,-!A9 P('A">/5BP*E;@N^J&20B%BX M.BTX-
0|Y68+E;W0|W48==%;3&895|3'X_V^(-:R A7U*109\|E/J%3#FOUAS
M)>1JIT*9BQ">J&Z|(%AO+DGU*NZT)R|CD=|7\$Z|X
M#34A2^WRPX<9%TD)L,'YRT6%KI!L%/+PPD5S8< Q5;HPER8-8R;V(*MWF4H+^\$7&(E,R(I\$*|9,
M/K&TY9=D.*D_+UX;.)IB;NQ,M.-D=A?.5;1D2+(?79&3PS^U5|H9_BV^?^K>U0UJ/D|=Q,-.+*?
L5H^\$R'%7X4*CRRM MBPE%V4=AX\$!ICHL*1K8S7'8|7
M7B|=6'"_%S|EM9';4<7MIX>HOT_U;2@Q9Z6OD;HR13|Y-Y^+7 TQ75'<
M1C2;E#OG)JL%.!*&7%&V5.@^HJDFZ44V9V%F>9\$^:TWU"WEN> M|\$,|G/(R(|4"EQD;Y|,FMMR)3.
M SQ: ^B%;)(OU5XA;_3P|B1>,&.*7(/:C|40G!-&58Q&^+U5.VA2|VC3,CC
MU9B^"!8V^ZXD'#|1FU%N'O@)RU<\$D%/,7=FM5H6MZ.M_+YZ\$|6K+FYQ1VU'9
MPB)B9\$X":A)F>J7K#+4R9J5?PSKE\4XG|V^\$981*=("MA#Z&S60D=-BL|J7K M-
?;%.ZGC_#K>"7#%/U3*TT.YPQTI|AF5WTI_D@M'XFPE(5'B|L^<^0#I#%W> M?1G!CX'A;.)|G)UP?
CK<3#.O=+A9>F%W;C^ESAUM6.DF&>9\$K5Y4R:"%(\$F*G M3UAD(CD01*-
@W@LWK*P3)V626Y9.+G_UK HO1XDKBH PY2SILKTV#D(G">9(M\$NSK)\$&=)%CV?
#F=)'B@)\$&9#ICV9|ORVL%;DNT2SN/ZSD.9,G)O'(\$<0^& M!|'%N2,/|6\$OD
:J|#69M=A<^JU'*G#E\$R)8?|\$|TKD'X1+4E%_0+4LB>I=
M;5&NWD.&SL7OZK.>==#^K\$08%#K\$O:ZSIG^<=;:/_L><" MX^F#6|E'9.^26H0^4*_ML" 1
M*>9|J5S2Q&"+&LZS8S?"X1VGR#S\$R N1J%<,4B\$(#E/"SDE%"<4+%.T+?P1 M41V<J_7E
M_HJ88^&O1A%7RYDO@IBHQ84(Y(O2J56"%1ZA|WBD3)YG(*#UI%2"%|A#HY@ M(>/-
:5\$Y<":WN1N(W:0P)0^=^I01"XM'44OLI!+?(KI47OA*CRO+X0F9E!|M M3EO!N|PIV8(7.)K-
(!5K/-:/P^@^|*E?)D&FQT;VF M-GH1%7E|>*N !3OLD7J|1TTXHO0 ?EO+&U2MC?E"\$D1B5LRHF|Z|!
MPLK#;2PYE5'M>.%DAB6DB)>%|RA;X;%|JSQ: _@+|?DAVL|8>"7Z@.686
MA|E,^&>SS/VUIY@TJ;0_@^+I_TOC4D;6Y03\$8BU;FR"K|<*3^@)CUF*_F#F
MJ|^P4!;&MFF1%J6HJ;2RYR<=>L>(QW@|6,+Y:LDDU7L7"7TRZ0UQXO)A'DD"D
M)S29*YVSONK.)>/_>,\$WZ7|8R)/LBA|\$GH/9BD^,3B;15%)&:N|WC>2 PFG% M|QC#YC-
A0N|;6ULTFJ\$^H/'AQ|GTO)Z'QA3%MX_B>1.6HVC_@=QY0;+U>NU3HJNZ517 MUXAET(J&-CFF;.!
(A;B%B-*DY M|-"367G;DC>U4#P@67U(- (4.39L6ZST\$2>:1"*EH4B9OAL\$U,2PD|EV+N6
M6H|)212&&B83|T0#E\$28R4J^@/-LB@MV8E&B4)A|_2="6|B\$C_2N/QN;?)L M3\$F3*F|*)&.,PC*!RD?
)"HYM|G#KH5,D%NU.N'Y*_T*UVYS*;!U?Z|H8 M0UXYH?
X8SFG|E48J\$YA@3AC_60|ELLG/PE9K\$KB>T.3SB1?P4KSR8>|@0I M=&@RAT.PP6H.?
X|4R=@3,*\$I<9)TDZ?RL/^Q#E!\$%)ZICF_8S57'-^A+S?LR M9Z'6E>-XA&%DJMD;|C8UV>47J.
ZBDMC<-,\D)0|W3HO#',2XA-GN(E&|Y M+)|#E35&9B^K64FD6|ZGC.19@J5AW(5IV1"C,G.6|3 MC|
HHO9CA|T1J_K9\$TXNC)
MD5QL_ ^"O_%Z>\$(!Y!&&G!7\$*|A6|ZH#9T265>PVP;BF;KT5(RI2Z\$KL91|+
M"4|J+T8F\$N.NQ"-4|<00@SW2RN>XU20*X|_X?1N|IM.=W+PH;QZ0:^6C_ MC/BB530|?>L
6+|SE\$;CW6QWN>+|/?GP"8Y<|/YGA<6;SM_H5#>RG9B^>;S
ML|>>56YFBH#8_(X@|5(M|=XTT5U#95+Y%*>U.##NOH&+
M\$^FTZCB9(<^DL5|ES4+Z1:#D"\$B>\$_"ZJS(J;_%B7Z*X=X MGZ,Y|A@FYTGR+?GWQ3.
A)=K_"I4G|? *@6.F|BT|L9="):X).G\$>&&|82 MX1*DZL*+2MM84;Z_|&X
UNF#&L'|^O3!W&X;-9M3UQK=3HUG72HDPI+E7^G
MDP|W2CHL;WAI|Z_3YW43|?'0*GD|P_1>UE4=|T>^TDW=Y12@C-.*<\$1SS1N
MHR_|>2"M>.EIH6G^D)0WMJ04L2;7HJIS(#"^FN-O&!*_HLC9|(ZVA@LNOWR.1\$ H1#3W?
0^M+|/\$50K)T*6SF(6A2Q%#;D9(M;?@\$9B)""%F(;%%"6|*E;1C;SLW'ICW';W-
7Y9/GC4QKFQW.;E3S8H-6XD MNYD|L|HJYK)63Q;X^OP0-??B%W(>%N*#V|/*OW*MES#V+P92B=
(EG@_9-8 M+-)N&CQ0QS;,>|)+6\$)Y|6*QJ7\$7LL5?2T;%W|QO!;Y|*N|Z|^-B@;^N,NOW M\$?
|^AOCS,49|-P5K\$=>(\$L60WT7T%JT;U)V1KD@6JYVW|\$QH
M84(0\$|XZ==>\$XPPLD&SLGXZWD(NQY(3|^DZU.)^%QJ;|5R)C\$+S#_LZ_*(YBLWE8P"C"?
X4W>"R'R8IC|CH0\$E?>E1NR;/(Y D% MSY4J_?(V4NC79F :E|AA&GN"|*D|*EF>7_G5;Y.+BO?
@640ZPE*)9-B&^), "68WB|?;W_2ZO|^UR8_7YXF<0|6_,"2DLD5,>0\$FV63??|+2P"D"47_\$0|P34^X)
M|HD.\$|MB;&AHT!5S;_I7GKDT;OZO|C_^[H7Q\$_Z;\$LV_>XK=6S\$/U_4=|^ MS#;0|8;OKO;
&K0AYJ>R8E(')W\$|I18M5D|D.HVL'=\$7U|H\$CP|BQ|)V MQ:@IP?EDE+QJ,
|ZG;HUNU%|Q.J|4F,3AC_J*#YE";!R68P|3W3|8;J*=.Z<4 M6;9_&2;'K4C;@VD^&#!3S(%XX+^,DU
+IX7H5XQ.B(0A@V\$"+PVF"R>&3XP M5"H?P8(+WRT>ITR &&VD2*'\$7MY^Y%| "80YXSRU1NC|^L;
|B|E|R"%&^0H- MXS;('88/S|J;^V<3|(I\$G'^1S|6QX|C1_7T@3A(I=02(KR|+T9\$Z?ZQ1;V'
M_ Z'OYCS*QCERD)(D40NV|CN*.*+>LV<1|UM<=+?+8_R;F9@?;'NJI.1;UI(M^,B5_Q/GL_%P?
Y2Y@9C3?A(U5V/7B6ZP).VC;0_+XV9GHF2)J*0=XG52)"M M|S|E%P9ON1F_*2_9;TZKAN7|77;
<^,L'WWS40TD|Z_#RK4|2%"5I*L9,U)E+8ZP;*A M5S?F9>-
VL*5+TN71#97B/(77#2HAMHL>G7|OSN;TZX7#T|GXB3(>R O;I-= M*^=;(^9!QS|_-
M,U0DBF4V*JYR*%?@12\$-8JJ?O_|<|@..UY<,F MP9#N1=O|8R8@S'D*K<8JRG_208;|O|!?!).%|:ML|&|
J7%11P&>%_!_GP|P MLIDD@80'>@T?I!;UV7;|E+PSZC=;00G|_R?>Q8|3PH_P8G?(XYA<1;8/D|

M*WQ0/?J\$TWDLZD)N6P(\$=H_JAX4EBRH5X=*J2<*SWM*4%I:>#*19 \$G6_>MXLF\$A5[-CE-
T8B@HH5L1&M.R.,H/Z^RS)25^([E14H,*722:\$XZTW@9M>'7, MAPEGF3(0?
@3QB\$0DKM'2I7TF:B<8?3?MG'+VIN^&5%9B7Q8(\$U8G+)&>4 Q4 MN:F;
(#IV%14>UBQ,&54'K,%|8|FC:/=PIB1-6MA=:2BR./'##^)^9%O,57%- M=YX:R>^M_,JK=Q
B%8+AU)S4#@74L4',!1BZ%KQB@('0)X>*&1SWG1@Z/
M&S@+9XQVB8I!&04<*:TW\$H;ZBCQ%|5>'F'*\$Q;DJ^HK8UT76J0RS!?!M2\$<= M-
30^(0|C&776(:7PY2%0X|M+9PKV--420N_#U<|J0RC-5^C#4|'@K=\$?*XQE(BO|OJW>'M.I?::6-
Z5M(PPQ<3'OA\XE"%!(X5_A&%,6AR6% M1)0S|(^N)Q*^.#TS%;KC+|E|RDGGW3#1333_?
5JB/RNLJ|GN:_RTFVZH&2>D#K;E'%Y)99/D?&MBX5VY MB/(0M;"ROG
M:I(EDE1F>&K|G\$%NR+7L9QK4\$DVM4)NT76'N.N)'C3Q+Q/6_X+G*1E 1*
M41)K(R,8EE^'\8O;+*PV=UTM2I|J23XM|1_3*E/Z%25K4C:(5'F^#TWZG;3
M7FL9!D1MI8PY(6/J&702.E''^,OQ#=-|Q_C@V+3% M6^B%_,|1W*:,1Y+&;P(/-
Y%O%G|NP)|^)#_O#!KM9C?U3|U&* 7S=8|:-OJC M7JXGK?^|,JPZ)EA!W"XBZA#?D6L)4L)R?:N,|I-
CJ0R8:LW-|Y DNRM |*@ M.CEOSW|8K;@600:359W!U471:GBX+3A&.HD7U(4*-ICL,"
<>W203K.+5#QEF MU<0Y'4!_I7Q+'#CB('7&N2)&+@H'X|JE=/2C_=?
ZTWK.S;=:IK|VVWW|MM.H4HE^U0WBS;88ONUMYCS:%@7, M9|_NG>U;FH%|CN7@O|
<|KU=+KU895BO|?>|S:TK_7TG/K_1E_Q)=>*ZN?9YI M-HUCF.Q_|37%=Q*?C'-
;RX*R|">K#"B#@4J!|>FO0KHY:2&HK!',"#B0\$=-I%M|YK5NA4T4)052\$8-@|D|(:10>\$8*2% M0
M!Z86@=2 AP"XR|6:KJX5 "T'9A>!0,C""@Z|9;|4')1&".EWSL.HK|K" M6|S"^??SC?
_5,D^:O@VZOX1|9,^-=Z05C%>K_9K%VT!WMK^W3 '4S;O_4M ME|;:L%, UEJ M?TMBQ)B3>-CV"TF
'VTX= <.06AXE!\$>O0+@T0%X:'14\$1W| M70SYJ?
6#3<|^9)Z;H8N7G@VZWV1PV9*D(F<<&Z@T+|JY_VWA<_!>&CH%P(M>N^:EA+
|>_Q;LD,#M^V^:_|CR%P\$|&R5=(|@|S#<OO|FL7K7Z|W>P5%|/) MMC,GD'AY?.DY/P-|3|Y@#3-
#K#_BF(IQ8I+5*12(T.<|_=:PXIZ:-35::3 M%JF2@\$N+U%:1.LS-
8;|YHA22EA8I+5*G)E*)R|AB1*K5+#8A18M42<"E16JK M2"7N7
L2J1;EM_2|I64Z'DZF"LA:9:@J'0,"YEB?|)=W_|YE3 V;VA:V9|. M+;;\$72!?:6.7U1L|95T=Q; N2AGQTM
|8G;%? 6.Y=4@;C^5A:UC0|4G&37KO MB|=#QDNUL)ZFL&Z)F*8*:U(>.|6+=G?
ORXNGD\$8M05J"|"@1(BSCNL.ZZWFIH M =,"=H("MB5%J" M 258MH_|1<>79.OEE&6^F#N)0^CG|44
M:2DZ+BDJ.B!A*%'1>#=_MZAT<,+6+7(L|:1/W9V(BY+|JBW|\$)5&=S>*!FP
MX\$W)3327;YH:+WHA|4+JA5RG=4ZA|GX7>LJL)4:EFVQN&|NJAG2B6K>@S_)D
MC^G41^VBHCPE<\$+?|NY/2U29YI9+HA(%S@5)U(CJ'D85\$B@M!)45@IWJN+<+ M0;M)0M
O2ZFN%@(M!N%X# #4W_UVBTJ>6EC,M^HWNJ410JJ==7T!@24*?.O(G/*)&ZFI^\$|HVM773W
M!WHZX(Z=6T-C+=*US426YPY@ZX%M4196WR*QIO'1:B:2%?'!|(:7Q4\$Q% ML"6W|X"/"E'C:WPH^
BIVG8C"65|6!@)I<9,*3%3 .MQ&V|X^GL3VQ8\$D!;K MN-Z?A3*9YWE"S
SY)E|EP3_0=6|'V4ZZ|4Z_*|KT|Z<|*4EJA1;0TQ+0 UU% M=UIX%=T=%45\$7VKYU#*E94J5J0/=;'?:E-
XQ.\$#-C98I+5/EEJD#|9EW.I0M M,FQJF=(R=6HRE9F#/"D VW2*33|30E
0^6FBV"DWK0"SCG1|ELO1!'V"*>V^R MR0TQUR.(?19--
IFO4K%JBB/G|"ND::,%0@M@9>CTB6VRL|Z1:5%J_EK#10TQ*V M?U0TXR\$U@D-JN/=-
NA8A+4*EF'8NPLF4*.A>C)/=9NUBD\$R-SLXXJ<5(BU\$|MIEUH6+0
6Z|+A=W|Y@&Z;P|Y62I!&V44ZV=^(IRTW|657"MC=*_"MX4W+S MRN6;IL:+7DB|D'HA"Z.
<3+^#+,D)6QSE9-"HM)--K>175E+^D |E|O8B:Y7 M;W6J6+?!|C> 6J3*-+=|
(G4@_IEN!Q.R6X.R%"6^06!'2T&9YI9"/"@|4)KG; MQ;C,L+ NR5H*M!0<4 H.1.G=Q;YM|<|^C-
Y;"K04'%X*#E27W:4\$Q&KJ.MD
M+05;"@XG|8N=FP9;JY7(!MT!;*/:1;^H4MTR84WCH|5*Y#+FOT>O6;LHJGY.PZ-< M"B
0|G7PK9;&A|5Q\$>|-KC'EZ1:7A4\$AX%L|W.K6+|OZTQ^7J-7 L5=CI M,U
FTSYB*\AW^2K)/@'NOOM=2F=HCLX0"G.Y&@E"310@OH:0GH@:*PO1XF M9|0|!R@-
+9|:IG2J7*U(\$NN7M|207H%95"J&6J).C2,K5=I@YT9=X;4.) (MYP!E;5JFM\$R56Z8.Q#
|>& (TE)/PS;1:9E29>I |_.|8@FIC _:0#FX4)U8 M'AT;JD=;:\$600@?^ACSY_ZJ%Y^>_C>5WMO MUQ%
(ZP&M!_:YF8C4>JW:A?<OA9T+9Q:-|P+)Q1.+\$.47=OUUH+IQ9.+9S9
MX|L9A1|&0V+RE'2PJF%LZK'F8|E-|FIWHLEM^M7:24"F=G"=4"J@6TX@); M:-2|B/B3|/
ON/WFV|LNA<<_!'8\$|/OQ/T^(6?T93&#01KS_XTK;#D+"AY? M_|V^)|F! M_
MHDQIS+"^|V1V,8Q#4?AWO+540|X|LG1S,UG=O;D,?/:F3F%P9Z;|JNY|]"% ME3G-+<\$<^?
"&MV>8^|7?F!_E^LG|YT>;/(<5B_4+K|%. <<,P^_!<,Q2S,6 MX|5#1?
7;|ICW>&@.VT/GZ;=3F|J#GK#<M=L-@<|T^RST?|;A>/B'S#G1I7
MJ\$.,^R9@.10QBD^0=\$7|MW'QY0+G_>G_|<&- MCG_27|P 'A:XN)=T@V@&;&)|MAS3&5NF;3P\$|
'>COG&3U=(JBS|=|J-'K;_%*,?PT6D@|: ^3_I=(!M7MCDHXJ%YGXZ.VI#24DZDCG3A^"|P M4A-
MGQ4_=-YF7L-L?/BN9P2@MZ:<%W_)3,|W&"B|B7\$W#MPGYAF=5CTV|6/8 MU&R3STX>O2|I)|6Q*?
=<^MYOM;E\$3WL:8'?4DX^IU*)V|*(6OZCMT|0|REE2 MG>V|=0QXJ)U(Z3L%EB^DQ!
<)K.=9|,0.\$JT<3+T-LT"NX|!A!A>LDHD,R#?@3@ZUDQJ/Y@_E| M)1&L+|%)V9.|1(:Q|J#<K?
2=<^=LMY@DD(%1|,4N/2%B=MN5TDW?5)40VD6F M+110WSH@/ESD|
M%S77|PR6EXL(%POXZ)5<|TMGHNS%%6|/TS+|>%S)?\$D|5ISA+<8R<:2^L|H MV"&5Z\$G|5I+:-
I\$@M;LA535(==:8M6|_J19J1)DYIQ">::,OL1I(H#Y M1YWF'B)0'D|/(R;#0;T_8K E=#M9ZZ_1<^2(67<.
|X^8+ARSHWV<>T|9HS MRQE:2G|J)0%6@*Q@\$|MCXX|T2?F-!=
|TBKK>S<5K&O.,YF=|>#2U/K|)F=_M,L|DxD>WO,-VZWVQX*X-
;5;4RX<;3M_")17^/HV'!4|&|4A)P S ?,> M|_LW, M|GZ&_D.L8;2RR1R)C>
|J*7=CVHC;_O9NC^"VAI!QX:@8@_==1*0J53NQ@U MDZ5|VGD|1#:_!S|+|OWB|N?
BFVY*=DJOICK0C.C+N"!|+:D|CK>+FV9^8KDK M;@(<6=C1B|H|L W5E'K"|GCM_24LC&_UJ%

!UD%H%V\$J D U'9 Z\$#&L7K:*Z MM&N\$E/VH7&%;RXF5\$6"EERSKT<ID0<I-AP/K&#A89,IFRI/V
JKGW2D4I\$0 MMX5P/RU>/(OW\RDHW82H)IT&S6+E(XC[3[4#IP%IJ<3<-&UL#LH%E<:%^C
MIXSHV1:7W0\IQ87UM7^:/>-H_)^%Q5N-UPULJRKZCE/9K!ND.?*CU_ AMYZ8 MVWJ8L_?G3V),C-
E!^IY2J)W R: '6Q35X)4/.VHO&TZTGZHZ=8N4NAJ-&B. M'#19#^/=0, #7I<#H#D%5_<66W"
LQL=N75D%M<^IAGK%\$32V=RS9Z"M95F M@V8?@+X7F|YV5UE=&B&E1,BV S0f0N@2H?
S5JNC>V>82 MQIC6 ^I8OJ4G6Z8!ON%D*Q%WP6LG S24#IH\$<I,96,;!DK=C YUS8D&60FV_
M&UK*WUCPXDYN';Q&XH1 ,_ V43>JTYUQ3M2N/P&S1'M8M!9^ ^VA-IS+B5^ MMEB&^?&3.
<:=:NK4J4IC:YM->4ALE:ZPYA2"-SK76+ZO&E05.JT&P/I.P(&NP-
MURH+: '2((^(@(.I67G:@I>Y"=O;/'67'/_6IY"'IXGT: C;KR&GBB Q?* MW&H3I/7-U"K=
*(I:F0#LVC0:_@IY:S@&6X"YLP|7YR-'O45.IF1^"9L(R6 M8WK+VX#=_^N@R_U7-
LFWF9N0^=LOS:H8>%;?>0K*GA3!!#>R3'7XJ_%ORB| M^WCDOX_RWTXAJ;-RK^5?R_^.+M0IRG|2Q
>UB^%@|YI|!RS@Y,)"\$QX%?S? MB?7I0D|HRV(&6SJ^ ^#M|*(<_,IUGRY&C',
(.BTI\$^U+UO2I>^(\$U71X.5_3\$ MY&70G/>;X|I(AN9@(M^WFXW>J#|WER<M:)*+/+|Q-;3(G
IWWA|L<8OAL?F M(-^P;VOBF/P9G^>@F80336:B8X_9^8EU1.,>^DO:J<0;V-X35<\$=U;_K>O
MS,./S<65;Z=M2/U@ND|R7ROOU)^9NZOM8L=&I:.)C.-HHI!\$&\$P+_Y1D!! M X<%L-#4G=VP'&-
JX2.-=K/=K1MS#T;EP7X;KU;P G_%I Z#;.!?WIC)1Y-Y-G M1L-
^8I;ZH,=EHUV|8&NSK7NXZS!@+35<72+=|PU0EH XK:08Q <@-JTZAL&HW M"X)59R18?7\$-
'XY4.UK"V""UFC @SYAA|'O7P);,|!T|8:QV^\$S+/*>HQ=SEF,/4*M^@ M#B06?00RIV":N-
3@ "P^:;\$P^_2 \$G?Q-P @,>&FR+# FP(H'S_CFA2I3XA& MC-
5%V1R|CX_C|I9#HVXX;CA4%=\$,9OHJH7L5U0J>&_I C)F*R6A=7I|C%_8 M9&&SN^D|?QA==/P
"ILOI= PNPRXAF*31O9_6D8@N_28^0AO M^P3K|'W2(?I6|JLSA_<&WH+5TC|WC A|CJ3+8|I5<3-
+IO3,%3<5_||VV" MA|NK=,@Y "\$3@KW-F"BMCGWV;G|OT=Y_V\$Y-%SZT<>X',,;5IP->B'_||=7
M:Q*|H.O7:+'W3|R>B#>+/S?@3Q^2G_=&C?8P_4_-1BOUW6/:K4:_=8HUZ/6 M2I
|K5'Q0I?;&1VVY|BMG(LI@-1R1|KR'DVKULLP*;1SFOFS:Q|'IV2:_94^5L;.Z*\$M*H*7<^XT&05\$33LWG
MJ/^5Z%2E5K2C5|3@%6V?IL913I',@=UR|^6M8!|#[41C^U.HH;DDW|=|SNYHM,\$1|Q|V8=M#I
MO%D?CO9..RA|'K\$6@^J*0>|8M A,>BD|UL2@-5+082#'H'T@,L"U'O=L^MDM*7-GR1V#32;_
8#_&I@)G8*29>;IN59&\$P8\$D@;,*Q_ M75NERYU+"9DL-
MY|ZPX4F|S61#50V;*L!F2Q7GSK!!J|JZD|LWCKJ GB.@:;C7?:#EQ>J;0W+
M92A)W2/Y_AEH|NE6'5GV<"LODZ|G4+JOYM1^OZE#P65/YPUK:4I>V,-FH#B^G*)YL(W?
L)2M*40:VZ*^OP MN)689T9-=;_VL'NI#J|NIJBH'H|EL@XV:00*;QU<^I9I?#7'UM0:DUGP
M_Y@P"DV8MT%&#G1;U<\$&,:5!PZ38UTV(U87.@
MJYU.'V\$S!/:;O'Q.^?I8802PV62Z4&,_IA,*ML,*;086-OS?N+"6LR!6D!C%@|B<+|K|LG?V.77,MKZSB'3A
MKW\$V# #'39O03|PDFM0C6_R11A?A.Y|A8X:+27:C_??&BDM%G=O;D,?;/F3F%
MP9Z;|JNY|'%"57X,RY\$/'|3A|1GFOI5Z9SH|V.OYK\$ N7\$ZL= Y(9AY^"X9C
MEF8LOHN\O|7;HICW>&@.VT/GZ;=3FIJ#GK#=#M=L-@<|T^RST?^"U?Q(I"/N MU\$#21F3"^?L\Z(OYJ
W0FFB+)90^LO-|_>/#X:7R^O_GEY?VW;|JO+^|O;OZ.?I)?W(A\$1;N9>3=?|8< MTQE;X/O_!/
!46T9/PF.3C;Y.4V<=R07NH%G|LL_K F|MORQI?H+CITY<>(@ M_U?7>?X5E;/DT0=9X-
|ZMPZ|TYHL3#M).L3_N4RR#6&:W K;T(J:%M_LC9IG MW>/E(OJ*.11>L*P;<|MT>
(%=AF:XS2G^@8"98C*._B+%(NT;#"H'(2%Z5#_M_KBIC;MOJ#RK\$&;7WX,=_%L:-CLTZ)*XY2)^H-
_DZ|T0_4-ETZM=|KIPN@_=.M'+T83R)*:.(Z|I:0-Y"O>P6IKHH+1.3?RY1G<,S_P%N-@X<=>M-
+N,84MM Q |H-G MSGPCF16F7IVGIQZ(%Z2|MIV:D'"D#;E6EFPNE|ST&O|OBH|0E|G^ (M?OM|
2'|\$|G#N*;MI|I\$+Y8W,?ZS M,+V>?B"J|=LZZF0|BVN7_P2R7G\$'@NQ=0+=WQ8+OC48|0)
<@("OKO<-)CYF MF'1C8G(+C@)4T6OP4C=,L*Q?C9?EDP=Z)?K|S)TPVX|QVC>|I(4'NWQV-YU;
M8U;G%P_B,5\$'MA&3-IX|V#1 WYK;-AY?#E9|_|=^|LL\$4%)LKG|DS1N#^>Z-84G|J#F:\$U|S-!
(OG)IM@JXT/%7^L*&9 M4:E2'T.'->-C_L'&"|&%T"XF)DZ:0N.(HN2)T6;2=Y. M<&DP6Z0NY0;2*Q-
M|G.YVE)OV?.) Z9;J.0#+#RR6)7G?F?T!"E0\$:@W M S: ^B.|"RM(TK,PLO_7U/\$PU" 0?
HJE,\$PYLH=)2Z\$Z"@)1BU|T'16OJ4<\$ MSVQ'27-WT<+Y3YM=N-'N#@G(/|NM0?5+Z2-8NJ%
M@FY,F&F9,N2V'5>;TKZ9?=/XSNZY=RKR|HA6_P=W5KNU-JOFW|3.895R#\$4
M(2WPO1SSF5P4G6MX.AE56TJ" 1O3|GA,;IF6%I<#)(C|6_)4F2TNF#&NP; MP+|HGD;V'O-
VD51MU\$;|KL|P3|JGO:K6#Y/"B&)IT_NOV#;YIY&\$UG?B;
MWV)YE;/S6R>,3SZR|8L#XW|>PH>>*.0.^C(*I;5A'\$FK->%I-R*PY|_>%3_?4
M8UD2635DWN3TW!="D4% M-\$2RN|)%9(8(I/?=7AAHCI<3(UOX=V3- RP-N+HOK""/C
E,D\$,% "V'E+|JW3 M|)%6Z8W,X73=QH*6IDDK<\$+B(ITRO|1Z&M8MNP2TT2UO,M,%1U4*IA?(-OD,9
MA1*O/_M|FRA:*K54;JG,\$'W+)I7)DAE;^_"WW>6R@QDY|4I (@50V2KI<,4
M_&HGW6|+N\$^I(GF14"^H>X|E5|I?;+1RYDOH,3MM/.EW;|)3VY|I4IA#Q8 MY|J?" 6I3NS7B?
UE3^ROUG+NE-M_(I&%R)4|*Y>%R*</(Q%7IU?7I.^?; MN>N;^\$CD2S5M&|HB9%.W14J|><5-
=U|LOF|W"8I: 'WDCB/U4Z*&|,;2 M6&K5+H;|!(Q^U@&Z<@1M.9,+1%;\$3^_#H%|_9V-
C1V"DDCI@:M|6|Z^T@/% \$+|UR:X=^|KKK3;\$MIRO:R&4A,J@=J\$Y"*L)DBU' M;
Z0#\$O\$5%ED_ ^P*LL1DZ3O:W%2,LEK_4-'LO@(7J\$HZ8T,26;8R^,&H=M%I
MD^ZYN3;H&G\$6DRUF!;_TW/KFF1PV%KRV/C0/7|PUS M3AV,)X89;|N-O9RI+3,@PF%>3&I"
|T1MG1W&)G|= ML%VD|+ #9,_S78_19P\$KQMLTX-E@,?V\$'_ \$Z9KP>;S6UWR?CK?'K|V++YUUUT
MZJ-O>&P.HX:|7|F=63KH?6'J8'9-@PC#LN- BGV08L>L|P/^?L0-|91+7S
MUSA'DL|U,_J)^02*91&L_TFB7OZ=L(U%#+'54?|HXD7|L_LI DP|W,G;)@ MSTW|U5SZJ)4*0>!%@|?
M.'M&>;^5:E-IP>;/_U|STANVNV6P.>J;99Z/_='0N'HET"G31 M%1|3#B8!F!>%J.4W0FF"P(\$3F=W|I>O-
XZ/QI?+JGY?WU|_-E|>;^Z_WMP|W
MQM7=;U|OO_S+N/QR;3S|_NGA|OKV|O|VYN'X)_W%#;C:A;TD,X5T_&?+,4\$7
M@AY|0&7.M>A/5S(YY^)| W:4D4U>KC6=T:'JLCI'\$U?FQ MY!@/;

XI@N!*"P">ASL_N!6%N7RLI8,4@;4,'YAYH0.W-@1GA@49ZIS%TIP
MYL/6F!:)")8!FU&"\$(Y!8=4BPZ9A4+Q\U7H8\W,YU=RP8J5/^=_9;B1H"2,> MQE5?
8S6Z_S!^89.%S?;!Z7!DO_ F76>?EH_+.?P-S:I'>,HGL\$&^15Y'NP;F MT-BP,NWI0;SZH=J<(M!
LCC9QP;[3VG=%V1:LK%M72I<0_EG6U1,J02%7MN/;??QER!3(M@,CYVN\,\$88^+RE\M\|FRK6
9CRUP+(@_0R?=?MJ|N#X|L,K M>R,IRL\$_(&)%;=?2G=I%JU>A9JL:|I6%?+|9#.2I_/EV64@?->0UY#=
OE4,MY'NUBPKQ\$&G_5Q?P!6(C_W!RZ+BB^R&/*;MU)C^6H//L(3*>CJJKVGGFY,|M;(@E?
WNGE&;MYMH-%WR5SA"UO26S8N0(>C!DI3|:804BY_U?4XW(R1SY?EP MI"O/JXV?
8EAP1T"6"!+6%|!#(:6Z;\8J|7/DP_E4<;OJ:>UXP%.LZ;4I_M:.*|^&AE4S|I|&F':YL2A19UZFO2BID=
I=4R&Q)T17-)L@X^2HIB#P=OM;G_M&8Q&M8M^47D&F?/RRYASH^7GM.0G3_NSM?
(S;#9K%Z.JFX5J^2D7DK3|:)>? MG=+WL|I>#YNMHK MJ:.\$J"7^<
M/WV,|)N&Y8P7GL=)7B;F*N_.7@ZA6!YEPU;X-2NM-'(+.OD):(Y=+>.E.|CG-
M\$%)=N:KM_ZHHRO>G#J;J=0M>F MODII#V_V1I
.:WW/9J;EP%=2I|=*@\$(>VR"TL=P!;BZX6W8.ZRME%=UB(MZQ%
M5XNN%MU"-/!UHIO3%1|5Y(IKR=:2K26|\$"<|Z'<A;BY|^WZ*YI#QAU/*E0_M\$Q)J'8?
^OK/:QL8.QO9OK*6U#8@V1|DV|D<;M#R^,84.Y|<\$%HMA'3MBZ|OI?^Z|I,-^!<.Z*SS|
T*W:13^)|9TGH2R/-;X=M^,\$VC*|I^4PR:D|X4|XJ/P6M^9O:SCOE!Q_)O\$-IN^RTQV*)-./D<4T>
M^ONL=|X&HNWCZV+|TSP+S9LTF6*YI319S.2|&K&9XR\$C|H6?;KRZJ(D|XT\$ M|XOKC-?O"%|:-
).LD&|LG)O^V\$>RC:SRN=)D*[T#)CYY>X_|5@?LZ(TIFMZZ
M; >W6'GH<;MUS(U|WL:_.P5YL8+\$0K^"C">*Q0#0N_<0<-K4"-|KRO|;K+SSV MR%9:C_U;
XX#ZLMW&8CA\$7OQF/WX5-Y#QAXT9GRF7@5|H|K) R&U?9I*8W^
MO%M3OK)_|^I_2M".^AD5R4.FHRU71AL2/42.VPY^CRO5|T"|I_9I\$ LPY?JEK MH(H=.W)JS5AO"/A#-
L/8>6?_05+%5_&FIEW%<8^;?B-WT&2P=|^"0HXLZ,MGS!INMW\^/L_Z1^MCS|36/_IX"-
4=|+^/FCOE<>="|_T|I|R6%'SH.K_L M(QP|@<|I-/P6_0|(@*GG_LFCF*.;?&91K/C
M9R1OTPB#%SX+32/R"YWYL;C0;V&X MNBN;|GVWW(6/O1KY|J5/50S9ULT*;|??
&0P,@)#1"76F&B8*,"A5,M8V9<+IYAA4_1-8-3\$0*K|AK&S>I(MA(V/OP7I-
"V;6F52&^|8PUHQ+;&20E|;W0)ZBA.*|I^9"?H!7FL: MWUT;)F%ZR^BK?)/&%GYH^KX+_|)?-8S?
<3Z1A:7NPPR4R8*K|!#|I%6>(&X%_|M9LV>%H/5Q35KM26U"19Q_@*<7@..5
MTTW<|I"2*;55W%3>5!T_'+NBX|DD55=\$0H9_JR%-A/^;#5*EM_1W1*ZV7D* M>'DSRCJ%=L.(;R4I-
G,|T#8I_L;POS/M>U(S6W0TA)9W6;KIV_QS4R-JA4 M/I?N0Z'#*,'+T'GL\$|H(|E(9.3Z,
|JL)PV|WW^55@Z!|#<83QA MN9",SZ* MWMXK+R(|_FO=QFH\$;K-U+9X&G0#)N\$2.7N?
WR.>.&RD/H-S&4V-^Y M57LW13^&FPV^J-SM-C+G-I|C;^B3C>C8R=F_6HN?;RG40|&.
/%PP=M>'N&N6|U|Z;3@TV>|J_7-*AH/UE>|QQ_*<|&:P@"BA,G_'90"C\$DGDCE*;)G^Y^>/7F|=X^OE
MU3|O|Z^-FR^-|=2|V|?;HRKN|^<^7G|YEW'YY=IX^/W3P^WU|>7|H|<;N=#&U7TL7XFV|X M+
(JOH|Q^A,Y+N&D0B1_HYQLU<,NDW@""^,C#7PVDL(-4F//3PI_MUKJ,M=O#('C7P)8>
<>8IQ"YIQ@_6*/_1"VSKUGDX1.GC6C>DY%()_TCQ"W@|5>D= MM&7LT\$=U\$CZ73^B)V>[K5M:|
|VW3M+X@T);A%(R8*|M<^ZS<_F/CQ/+!U|N
M>6XYM&/THX|QH.\$;5A(RZ(7|S|!%YWFCR,UT4:8@WBS|WX\$|?DIHW^HWNH)/Z MIV:CE?KYND<-
&_U1+|>3UG_>ZZ2_0X|)C^E|QS1HMC<^Z1@:DF^W=+)T).|D M|T|_5\$W)/XM8K#&X^T:32BUJ
M1R|J|8O:?'MM%K<:B:?'6XGTJ#;*\$4FN9+;HL2 MJ*1S5H%|OG7D;7FN72V1.XGQF/WZ1-
6T9K&R18F;FDZ)PX1H?%0 MX0F@X-U'2AI*NU.|Z(X*JD(|@CI@#?TRS2T?|+>PW.2&/I
(%L6*H:&OH7|_MZ&|AB76XP6.C^(1:.*|4B_TW@U(-5I*B9;<88)M:&G7+O: ^ M%|I%8*2-
6|CO6V|""S=XT5B|)E=RNZ#;L=-/JHM|'R?3PD6R|F+QV<)S#;GE M9?H^" _O3+|GI|_1|E,U
M;O;R4_/AIH|Y|TG;4N/FV'&3VV/-AYL|6_Y:WU00-|E|UWRX&;99G!HU1XZ: M_%YL/M2;A=)#G>-FF-
'36Y_A=JNLU2H.9D+ED09RZ,Z\$_.%X0|M>2./FH MG=KW6.KS+1|UOL\$T_7O|^-|?^?4\$|/M*_
^*J*G4"U>4X6)@>DH9KN|;SV; MELX>RIN#NP9(4-B_D.QYO9M2^
MZ14|&FVT|SH%SQ4U04J3C\$%;GEUVR=I=N4\$4E\$>9'8@84'8/C?I&DGE1%)1 M?F1V)
(TTDHX#26_J2Z|I#^<|C_G|JUH_@?&K|8).S/YGGIN"JUT1*MV&|U?Y8
MDF1AC;|W+D(H&F\$MC;|J(VQ/+W5_A+7+AK|3(C|0HU|8.|FUCC6M7
M_=G8YTHT,WMH%45J747|RYREB!/LO%>Q\$4H#JD_4>_F!|8'-Q1=.I.K|7;U
MM>E_I@D2DC06=6V1A_ZUD'&TP;CFC%*0X,1:1.+NH?58"PO&MVO0|_2|QJ M29+|Y
Z;:T26%Y&%N/""QF|J8W6CB>-Q77_J&Q6#"CG|9B5;"X)BQP;"P6 MR,%W4"R^0^V(?
+9XQ|E^_|S_3KV|17<)N;4E1I+2_PYHX;6_?FEL+3D1|
MX;BK332_W_|QCG0|P4.&F.Z"V2YW3@0K4|!@/"\$^/\$9S\$+U/5QZ@|M"DZ3OU.M<8Q#@ZS?
3\$O7TR"K LC6<#.|I A:M8N>|EDE098YY% PR#)?R?5+=R6G(?A.
MD89W@V!|0|#\$;P<8'@W"";+!L%32\$QX= /3-AP69,Q*R!|@%\$OUL.|#J\$W?Q
M9#.*!V/\$9U"8Y!"FJ9"*BD_\$V2Z;DK3)<@"67!@Z?XNY96+;T'#@@5
M(;W(O;EWB\$=+JY;6*DOKFQ7=9)?;0;K<|IK=HT56BVRU1|;_U4W9!758>/J3
M%E8MK"9Z3U;CK0<4C*L MZ87|SQ|?K4GP*O#3"R/B0_'PT;HV;ZGYJ-UE|5;L_M"JNM0TGS;|R"F-
VSOG8@3J>7VQE<>.+2^6#^_9_*UAW-P7&|_LIP),+|YD!HGZ|B8-"2CR9|M.WN.|6F\$
9AT0W^!38Y,T|F|_|.WDN9G.< MI&|L?%C P#5_*8T7-
JPC+>_ZQ!_Q_EPKFD_N=X;I1;40A_.;#?;W3K^MT/| M|O|H|ZTU??
B::;NO_DKKD/1U|:6NZ|MKXV;ST>2.;1YUW.DWNH|.1G6<|5'#
M1G_4R_6D|9_W.IN/"#TF/;W&=.@VM?_6U_|@|!LE(M*KM17UP_|EE@>9QZ9/V*G4*|U#7X'3"% MP/
PA"6#6A/&^5?""B6&^P1CI?B>YG7-D+;A+&;@NFTI\$>ID(\$N.(HZ_P|Y< MB6_C+%-Z2H?T:A?
=QMX<)P>G2?J?|?QK%BMCK|709&(I M"LI@006G7;OH-\$9:<+3@')?@#-|;<+ =;J.C!:=XP=&RL:=LC-
Y;-KJUBWYC M;YXF+1OZ4'E3P8E7B|R'X"/>Z|_0&TX&C|65^Y|Z"TTJW1-=#?!.#VYD?
(C5^8^_Z+3+12R=-(V|HDI;D=|I#L%)1;&|: MZ1KI|Q56VHKT/L:5M/6BD7|L<;6M2\$<*>VV|.*0??

6:I!*1[Y15]>5HT?Z M*20KW?R8LW%-&=CCYD^QI*("XTY/J<>LJEW9JAO>I6QX3*1MS
M*S8L59!*A\UE5"1'KNY"CJQW,A_=1LY 47(UWC?=W*OG+B?=6(8::QK0&
M^SN5I6W""^Y9VT*H@*XPJ"8D=#L?)0"/2I64%0)D8-BJ>0HQ-& M4FS7>3I#S!S#8\!";?
M*;6'VLNIQI3#UH6I9QZ,G6K(Y&(4,J1^HY=A3!_GKFA\JLX\AAC_SCXBV=59 MIY'2!N_)H!D^(-I
DO=.U9E(IQ(_^X-&QR:7O(%CF%,H;6&)FW4I#OKO1/&
M\9VUOIUYIRC:SLAO:~1KY!\S+&UGY'<0^7O?G&CD:~2_4T1M9^1W"XFK:>1K
MY+I37&UGY/<*B:YIY&ODOU-T;6?D\I54QTVJ,I4-@/ME,QFS@/W),RD3^O? # M:IJ\$0=.7PY7A3.@P>-
N<^~Q<_N/CQ/+GMKD\MQP: OWHX\STGBU'=AE-"271 M" _F?/XH>|*-&M\JM%!(I(H'CQY@IQHV%CU-
S<;%Y\$%~4?Q1IU0*!W\9&:4 N; M%S>~&/!B^8 SC%*>MX9QG2
V@!J.D.1/F!.=G~*6B<33:J.VPD@)I8\$D35TW M<-R <2ES4-ID1_+/LANLI?V@WFFY/'OSY@_SN>TPE
MONJ#1J^~2_KXP@R3JQ9,"5S,J/HR%J:~3Z:N9_SRJ>9OOC\$V_1?CR01%-F:4
M2.@;IC,QYMASTXMZ;M)?ZO!\$PYS;/0 ^0*,1"J2RD&\$ %3Y#U6HY"THUW8 @
MQ(OX!&.U&>#3I/C8O>(!M%T1\$8(>70,6\$TX(@\$WP\$E'NX\K%N-*HU-5U8,2^MX4X-A|\$ZB@,A:--
)W\MF(A^L/(/?"~%S-2C9ZT=)B-@CXPOO.D32YUXJ62J4|^;T@85IX%_!6!;WTW\$M.?^FT^0A&IJ
MNZ|^8^4;8!.*I2BZ>!PDKQV\$GN=&B/(K ?IF!|/S"=3Q(EC_DT1WWG<" JBS MLCK?*U " VD.JN?
LR6/FMS-S"H,|^U7<^GCN;*J)|V? !**XL MU!STANVNV6P.>J:99Z/ '8>(WL(Y.4*36 'D|^B_@.
I\ZBWPBEB7;1A-)? M;OIXI>:QT?AZ>??/R_MKX^;+X\W\U_O:AQOCZNZWKY=?_F5NTS*\$5G#>I1#
!S-2PC|= <87&)JMW MGO3?%8TGTU!:@L.=Y;HIY>|+1;V_ =H/IR2T1//K0!>~Z@WSZC(\$UHK19^M?
&VXT_4%S"D/CJ<5GW'52;QZ,9UGYMZ7^4)(R_N_P|C^;EO<_IKU@=U/A M1;+OW0F?
Q!"/Q)*A+I/MCO^%OF#@OHPH.Y2E? M>I F+<I P;@*JHM'I@XUDXP%IODU6<PV6PT^8F6QP?
LIAK#IFBC M#YCU4:U6HJ_*JZCUG_^,<_HM.IYUF MNUO4A%-CIMEC>)5;U;I;+FHU%DTC|>!
(/EE/3K!W197>X;PU0STO=;7TR=W M/55L3G\$AO^+=P7UT=I|^04I&GA3;M3KI?_L8I%
;HODGUS.'AWCP;F)J6H\Q_M'2,Y:~8K5!SG.V5J;%^+MW,9I?I=RK|TLNEETLOUQI+55
I&B4)#2A27&K=_M_#G4R(*GZHD\6XZ#E|R@H9?;I/)EDK->RO=&OS77E,L++7IO0M_\$DRGZ^M
MYO.=I;S,09TIS%I&SBTATL/CA,U^M'MS/#VL6H/AR4@B6I&+H^+235 M%9+.^PC)"
(5DU"t%"8!6\$BTDFX6D6Y"0).2@A5W4AUH(M!"47PAZ!Q."%@A! M*9HL;+I5EPDB,% "V7F9.15MO"?
M3\G_B10BM1OM=,H(I,Z9-7M:>#Z/?RM9 MSW-S.>.9EAS/A0ZNQ
PIQIO.1%,N\1CG1T'UZ,,,X%^;VZY%BE\$R^XLAJ;IJ?R=@%*;*FV#79U4I3\GUJ)%\$#M'F8I(>ZOG.@;E
)=G=K%,EC MJM%5.G3E_!%32KVTQK@L!C3(J_53A5QLX\+ 8WR-1>\$MP4%#<I
M&@/O9C:WW27S;,,I\ZVD1-)(M:>TIVEWI2\MIZ5<|A1):#?!>N4HC>=K\$+ M!T|""XJ
M0D.JC)*#;Z|M#;GB2AYTF&TW1L&%YS%GO#2LV1P6_L0";6\69_OL>O!>I\I V
MHP>#MJDEQS\,R_G5I5-/IG\MHM/=FYQ_|>E1_,>\$;C=T#2H7?0I94ECT6@J MS?
5J%CI E/I&'92MBU\$@KS05LL4@;E0UITYXRIS)KE2GF>G)*TKDLN^W:Q:"HU%YO!G5@H)^P8GR),NI
IE_/_I2N*?I\Z%*,KM)W;13^STIV8' M*4^JB1:0Z@I(I\DXV^PM(#P6DURI+?9H6\$ "T@17IE*0*2E
%D_~SJ%C9: HY M G*WL,DD 0.0@\$Y9)\$#WK\I:~AWX:1(H_3)C-2*)\$:_MC;%S3/LW&-85D MU*;3|^?
T81H;_Z>%#S_S_2MW\F0Y\#7_TIE.|COS7N"@3MZ>9=J&I?J^|=S:3D)KF3M\$6VR!WV8 M
/PK8|=T7.L-M(7I+JC6UMZW7MJ;?B/L')KV/!-F>J_>|D#63<4*1U<|C3M MBE4U_0*.78V<,B(G:
<45BQR\B@)-P6Z SVI\ZH@5-*X!00>=L&G#V;".H0
MVV\7KK!5\FRE,Z'.03JX5GC/F7!MTT"/%0\LA*7B.@J^33SN_B?J&.ANQMX<|MVTC8!Y,I&?
(IGW=4"T6.N/K_1CM_#R5B!%;(98:%(2 MQU\$'(-Z;C247LV1P6_L3"?0>V\U::S-
~I&%GN'L58+QG7*98SK!;N^BT-#%?-4&5O_H M;:#J%5++I\$%5SOCR\MAH!
<&KG^;"Z/I\SZ7!U8"MQ)S1E-Q!%8T=YNF>4MHV MG%KPRM
>C@IJ\ZSE3LM=B2:>3^I\V+I).\$;U1\$|XT+5A; ML\$Y8L_I2G7C4*J0\I5L(5D\$7,*46A<I P?;K;_8+WS_#
(I55SAJQ4#;C_!LI M<1=/_CL)-9%_~JD)-?1A'H^@AS=UA)\$U1M)&NJJ@6'FWYIV"NUJXM' 5
MXE5F\$RYLFM4JBDU3"Y<6KI+;/_>91L)WS'XYF4G,NK6+E/XHN2?M8!I 2O) MS',*6,*'+%C>B!@S;
(+V%M?Q:X'+B\X\I5L890H\I|^/4GIB_R+T"Y|<6! M74D%=GM?IXSZ=
(_9ZB05RM\IJ7<|MHN)^VHO/"\$QS.UT%BJ&_IS5;~>*H@I6
M4JBEL"0S/_#%9G8IW)C+."JNPEZ+H;|!@18E@<50\$;R*"Y.%^"\$QX MILO2A?
_(02G/^??#"ZSI\$O;!OAP.FX\AFR;I1?R/W\I M2;!RWEKU.AVN|C_P@I7+O9_0 T/B0_'PT;HV;Z MGYJ-
UE\5WU\^46 -EKBV5C'QN8K1KI^V#O73YL6+P;I6#I@#+7.>6L85T5B_M_A'EC-
A3G!^AE\J6AYV\2Q3>&DUL'RL&CALP+KK.60?%G'I\TQ(D@F!^M_N'#Z^MKX|>39S=
<I_E#N\IGL?/#@SQ_D=VL7P0LS_L%_03@&I48SL<6&;3QZ ML&/&I>=AC0*ID\$J0?
I P(IX<7AUDM,N&C+3=I\NZZV?_V%Y,8+RXI?@VU.T? M)LOF="RY4P/TGH/(Q=V
&/AB#/'_UE8O(I@%0=&58'0*1L04/YA>9F/P<I_MRF=1#/_;~?T(BM8>%LKE+;ZUF
"85|C.L;5L_&&5B.,=I05&.8SMM.FPPK MWV>K! ?U9YMM:W\U*F:Y)3SUX:_P#S
M:F\A.99N_GQZO\$?I*_6QY\%)FC\ P3U@RL0<^#182W7+,QFSTQSV5C7:S MW6VL%/7P(7Y9S
"FXPWBB(I/D%C+H/LPKL&O>*E=I0I3>*+YRDN*&:48789 MK;.=.'A)?@N=,1ZU/%;_";.!.?X_%-
Q9SMAC)A\I MS0C>U!H>+#!_I*"O M7;L PW;_IX\$ _@:Q:~?2?X>I=#
XWEBG.N19V#;C!%1"0P/O"6_83S"-^4.&Z\FMJX"H\ZTX5GN= KR:3PM0S8PZFME MO+Y8XQ+
<;JF@J=^98Y;HM+^!M#Z+I>?ICV@O&;S#S*#%U;L(HW6T M"V
(HX*FTP,H@286/NBNKH_SW)71IY^8S.WN"3?AV9DYAL.>F_6HN??1@U<,,SBWQ\ \$8
M4UGF'L4,UDQ^CW8Y/E!"F\V/0+ ".68E>+PP|^JF:<9BO'@HU^QICW6'0ZZ
MT;_P;=KMJ*;FH#=L=|UF<I SS3X;_>^@=O%
(D1=0QNAF\EXS9E8O;/WZ|>7PTOEY> ?/R_MJX^?)X<_U_O:AQKBZ^~WKY9=_&9=?KHV'
MWS\|W%|?7M|?WCP<_Z2_@.?GH^J'O:0P\$B5@?+8G/Z\HO&\$MAZV\NCCCN5/+P/Y:2^_I0J;=?
5XD9W/X6_J\$(J=I/\$ M|^<%Z,N9=I?0_R0DZ9=I\$5-0*|NL^GV-O:9IK6)3F+(DY@=%KUV_R/8?^R
MS7/+IB4NC3(5.I9I:S'64I2\$4IFQLM^T56I1.V^I\J-58-(W\$@R/Q9)3U_|>

MNS.S/6V[-=F]_6M#0&\$T+21&%[O9
M3WJRJR0A(0\$22'')>MXW9MTV2%59O\S*>PX;R"U#P;3;!O7L;)S\$D3S65-M+9I(j\$?+<:>B*O;U-
K>0;+!*;Y"7M'S.XX\G&(S7*/C;|C WN<='+&?+/-MXNZ5P+D"9\$JX5X)#P@Z8H9O^2HKX6?JMD=RI?
JN.|QSE3UE4AZ.(=>B\$@ (MG M&NF<3#-HC92M(5_-.\$>+(-FB?TZ^&+9&;j?Z'4)KR!?,BF3:90S,HW8
M;8UZ'94S30:FN81N;7=^RL LZVT4W8;.+)3\$=%K4UR!LQ#IN5V;#) 6>PJH"7 M'V:WD3.Y\|JG<-Q0-
|QUV(1,P.JP,12D:=C*&16)<0ZY68'L6QWDBLEVC@ M\.)ZUK).8('BI@SRN41516&)%D-!%2JAL)+"
(K<8|R*.*X !X;E?N;KT>&1 M2^"F\$G7U/_ Q\$RQN69QDC'B*KH9M'2 W:S^|L2+Y7QR"Y3>.8JE
M(B154TG*:Z>J4Q'\$%15KIWC MU"6EX_.%05ZQPFNG.1+K151>.W4QI WV:VJH+ M(&1AM5?-X:>
(fMj<<|XW!;|EX^55U'VSS"O:2Q+PS3J6'>.:#;VB3^L:VH<|_ M%HE"Y(ME1YH_.H
A'T*YVZA*V#;VK;J5"'"F?9N0#YY=<&;AS%*IF4 %,DMQ^>.,%,4L=3.J. M,+CUI2M#U;ZH;LZR5)
(5\,E9PSG/=8'WZ'11MS^N#.B8W>F'4D/LD-CD_F MKVLJIR)=.8U4*?-DYW)D?L;LI>9#8(j"71(\$5("R"
"%0#0CLT1%+@D"O-4H6 MQW(\$G 4!>Q2?DA#0;XV2R;=E(>#27.GY5)TF9>F>5P>*@#YJ"*3 ?J
:17/H M054VBCFB2E2ILB-J"(A2DHY\CJBZ(ZI@#2TSHN0N7-):4X<4'4'5,\$*7W9
MX=#&"MOY#?)M??'HY\$7'U5S/(\$307)S%BFC!;9=Q&UE@"42/V;/B% A/X%(*P+=A*!-MO 4=P@JV-)X
l<4<'@%|&+8LP/=MMBV@K0G;^&K|37=7X>=VMS*@W0ETV(A+
M<+T7T)U@(:4KE1,>7NO(PT'^QZ5>K^|6O,?8-O#*&_)H?
+Q<%E6ZWB"0'2C&25A';&ZQXO)14^\$6/(M;.%#>K%7S;.:810.N?
FFXZ:."1YQ,!!9R!;#IRUWK)_=9(:BO|2K2(Y"KL-N0| MIAETS6MO4G M&R 8-
%:4TD@0"0RI0YS=)|#J80WI!4ZR? A?N.90SODUL7AW)=W| MEJJ_4RGIN;L/F=-!WRUIJ|M6:9K34;
<|J7W GPY075)J"R|=#0 MN(O|@EWD^ ^Q=OVH'?_P#;(+P"1(F\$UKJVEM*JU_2K-V%;\$U4KM'#
L.N3CD8 M9YSE,D|N+|O"&">G#TF1L)?@L'?TXO>%:?!+MWE&:@W|S>6QTA.6H|
M=Z>EY'G)3&GW_CD%0&^YPKD 05C)_U>SH|3%<|:7T>:BHM1J;U-
MXM|1R(A&G;10RJAQ.CV/;M13@>71C%."15C=G437XK<^#):.5?S;N| M+SQ<4ITMU;VW?7-_\$)@T!K)
|6X_9R8"CYPEJJC0A5@L2|!"E%Z_>L&4/245 MFT|VDB|!#GWB MN_"Z28;0!"HKPK\#XQ0/3V"G)^R+
(-0T%H;-E; R2C-7PE); ML19*OW>:,ZE|C6*QF;/F|^8ZL35| M,L>/1SSDC(.#|C6T>Q4Z!
(&F|P6PR;^T=|P;D86OW#5S 4M;0<'3|P;1.0 M10H;64>@?HK'&WUP=|=?T<.:97CN|J|D/"%G
OA0W;!.Y+|S>RT/7|G5V";: M|RM|HN|UHQWX 84=5%6|Z|V'|Z7X.T9|KY7P,UFI6V>B1FX|"R;
N\$;N=#& M3|RM;JL19C;* #^3Y^I!GTE9DT&|469UI?74@*5JWVU&_P4;D'(Y
M|L@MR@X308;:J|!#9?"*4)ES#%*6_WOWQ|>|E17B|N?W7S=-GX>|:R|W3X|/I
M|YUP^_#;X|VW_P@WWSX+S|_|>K|_?'_S=_W7|/?|<|EGX5E2MSXU/+_H MIF9.L"L,MHVD MX1?
KX-)/@O:>R|(?\$BLA_%)?KTEUK;OC40^U=JXDOXV|H6 M0E%1/D;9Y'#8D7K#O'D"LMB1N|6\$Y'N=?
E<65.W(*)2_N@ M'7OG72+AN#SE|K3VQ.7RM'OY>C%;:J9P-4YMON@D9AK,N_6#>==99,4|VZY>
M;D5VZ_"@FU)K)(O|#FLF;HJ*J*7@!F=|BOP;:R9NR@LS|7 NYO&>
M18Z;2N*FJ+A,#MU'Y;|LS%57I"CUP/=1Zj'++J\$W@*?R=@5G;JQ HN*>3? MY|_GWR_@^V75N\$;'2
R3+;://*L|N+7N)O=X)|!#ON,%/'Z#M%1>@Y5IA)3%5 M5\$0SYR2BW@_G|*E2SN%
<'08U@551P<((B'1Q3E<34F2(=vYK M)+
<'@P9U|>"PBL#J|)&.07&1#HZI*F)*.E.D8R!52U3M<1|. =6=I:"M<*F. M0OXI_JE|GSKU!)3*^:D?
W#FQ: ^BBEHYQ45|C.\$HZ?8;SP_.<#<=<4>368 Z4U M4GJ|YKN9N"FO-^9;8WZ"L=-
_W%SH#8H\$<3*G@K@8;"ZO0AL0\$O_FDXILIK M9S@8M\$;|GLAQTTCY?CQ/37--3T'&X;
ME|@F|8|)NOE&'!=32WFG"OY|_OVF?/_B8Q&/MOZFN41@(|MK&)20>5!BO|9R M^K2)
(2|0;3:FY/(:T0YQ4"5'32-14UX;VJ'<&DE|CIMFXJ|\$.@0V|_JM+Z MD>.F6-R|>Mj;.M3IX8>.
(5WKMC/QJ>OL1SR&LN&8ZJTL72PF-9(CXM
MF..FDK@I'Aj0@AL1QOD>W1"+XZ;.*N%0%*|_B+70GLWEZ#ALQSW\$1P<_*2*+%;
M7\$D4QU0E.55:/#\$L*J#|H+S733-Q4UDE-A50?..|)<@W@7 M"IC;N&#>
(=XFB%|@6W5V*+K'6/15;7RCG^??_ ^2OW^),D|D:E.-D4Q|U!5 M|OSJ38;8V&@YHXL XV
M|ZJL7GS|G"#AWIQ8"W*.BE%5E;%)W^).4S|^YQOS|RW M;GEYT*+4&BG|HTLY*YX+5&4=XFY!
l%=80|";9G^4^*NBFI_GILTDEI;3QU1 MI#UUFMB1@'^?| ^VY^;|&@:1|C12*L*WE^B+V-
(F+LEJOU|MY;GDE;B*6 MR%3\$N*D2ZOCW.=
<>R|7E%2B)O>IP|1G*DAYS^|\$,X0|O|7>W#1|K89Y;WW> MFGL_WY97"2-B)4Q%3
|N.A;+FO+J.\$2LP^ARW#03-Z6-O1+%86LD|;KB)%3"2*C,<=-,W)07B9,44&|:XFKTLG?
FXYG;^;\$"/^\$K2R%&|/ST79A M0>CV 9|9YQ MJ0_*7%5"6APVQ<*F/->X-&B-1/%H78|CH*X.?
F\$#E'B\$SH;CJGRW.9RMS4Z MOMB4PZ;2L"G;RX7XC7GL*DB;/KE>NUQ&=|ET|'0^CIM*XJ8|?|D|*"
(ZQV%3 M2=B(<-HV\$37F>?:6'U6D<-HV\$35&_1R;3Y|K/LW&5'E.?V70 M&BE5R3"|F'9A#V-
8B\$8/WK4\$F|B>;0H33|VSR83H;V0JS&QK ?|:>O9DKCE\$ MT%YM0A;1E+(:>A\$WEHL/Y.?/D2C|!:-
|3#U\$7CJVJ82L?M(H**&275ZK(Y57=,.)5/7@T3|893RRN)RZO:8"L?M\$X?
MDE"+"TEP3%537B5B\$J>65QBY;M*LMB+RZO*82L?M\$Y?K;#R;H7:82JGO\$H\$ M-
4XMKWJ5D5>7T%WMQ7(U(Z|;=VS94V)?L85?RT#;J>6-#2(\$Z_4_@*X_) +QC M&?HT_._>'JH|S?F;|_ =V
M_BZJ|("G?_PN#EU?#UL(;:/^" <@3D#E?_H M7O0+ZK+QGGYFP;>|/@:O!!6B_|3+IB|%A9K;\$N'7
<=?S)SJ MSM+05M>Z24^0?NGC0K-?=3/814H%"ET2^_/'=WWJSJ_%84=1%#QV/_ #00|C_
M;P<0|2'Y^&@&,^RF_ZG;\$7^*)!;,\$?_0A!H1M;95GL3/83N50K,7(QNIHX#_! MX^+\$4(
8_@.N4!A=BX.XA/K3%\$LUB65<(_ M K)HN1UW>7UAP_O|^&=^V/;Z%CVZP>IVY4_V/#G
M#|%GS|&5.-7|'55"DCZEU7&UA:4-#&_#"@3=%-PY\$7|_5QMKOFSBP ?H;P#U MID-
SLOH?;6=NV>Z52^R%_.BQK7=X\$1:0S_./D|7@:_6EDO;^@%K<0FLY6_Y1&(136VP*1*?R<2S
M=5Z9#*|1;.&)6K&N@SNQ7JB17#K3X=B&->&=&;2&28/(63'BU0.J9>'8 G/J")-P00:2 (WNI-%
M*8MM0>I*"J4:_" CHPEF6!=G|J""|_H2Y|H9(\$JRTND6\$
M*;U=U&P1OI/^F98*_Z|GQ'^.P1_ "+^K)\$4X/GD.3GV_3?ENO88Z'73(|;E_WJ2JRI M2+TW)X8WQ!-
!V)J"UN?|JRE@SPWTW*)N;:>L|A-A?GH4X|U00?LLD\$Y=Z*76KOE@=O

M'1.@HD/WA2V2GV002#RDH(_EJTF/7)_OB0I60Q:=?^*QR8_P6K,B6/HJ&A_M(YH#_@PW>8\T#<7/E121fWV=>>O_\$2Q^F#J&\$XWO7W3D%*Y-A M.E@9"4I_M+Y>"N7\$.P,3*^DAWRfBBL3?B;6-?CIUJP?A\0Z0GIP,OR=6(7H#I?@#X4=MZ'7'(>S\$2L,E8:"\$9B76 NH"<+"):0FRA@>E8%,ZD\$RL,RFM'_=V.7?7PI9E)\NJO4_Gf!KML Mj10D'H>I?JGfVQF<"W<,_^GJODj0T?AR\$QL'Y-S3\$L4Kj3E(W_+\$/+H7B,Z/4_Mf!R'%=@VYK9WDAZT@Y1fE9@0Z#@RfV48/&/77K6ACOC>-UJ@_%MW)+P&KP? M/Cj%.PU?A8jCY*216ZI>L=9MD-C3>I8WV;)#\$M8%UZK&@LIF;N_.X+_AO_*MfFRTDfW0Y++I)J+A^2J+@CE\$R1:W?G(02Q>+?,M7"+OKKVACQS(=_M7(FKB MA*#6;10I?V*QO:O>-=6SF8C!15CT\$WfA_> M!_TNRfYf%7GfYf>STC;/f)NT4!;Uf#f4MLUJcX'UfEUB+;;90X_Z?/5*G_M^LL&HQGBJS.M+XZD:2MV^VKFM8CP_>"TO%"U47@K5L45K1'M#:*G_!6>P:M M%_fWF.ZW8O?'UfN7%>'QYO9?-T^?A;MO+W=/CT_WSW?"f<-O MCS??_B/8AfWB\$'CBF/\$0fG_I1_@fM<4QYB+ZKU_#K"0f_B9C>1-RD=3 MW<8<5QfXZ""A/fIOR.W@9#X_5f1f6;fHf@&\$BA;XXW.f8E!@NN;9L1;5!TO M+/C9H'AfI#XJZIRV"VWBYfM&f=-V6fAE.%fTFVfI?N%61-V3%'7;HAA.5.01_0SLKU\$#KPO;6f\$?D6 M\$0/B.HYSE/fC_.\$f\$fv;:O5AfI&AIVfT4 M FfI06R+f37Q'f@,+/&fM'D5_-M&^J@V9P;U@5/KMMFDf=X0XY)7BfH<.4K8.;3*Qf"DM?0G080S9T-fE\$SfWN=Y"8;=GXY_\$AG>N\$JX-4>+6P'3&);fL=V89 MNH4WU)V'fZ6&J(Q9^G7@8J&+ZQ\$(NfVXOK%<=SGGBQ#fGWf6,^RT+RU1 Mf;1C.B?+ZX@+==-B;B%1B4Vf>f&/4YQ+^6Z""8_/TfFM)2*X@%P\$7R68 M:\$O=Q>*F2/\$A8PjHfWHE+fI281A43NN2DfHR;N%-M"1A43NNQDfH*B>GOR\$O_-JfE)WF)fJL6fKR3JP^B.GfJPRZG;T8TP MfPj".HS87B<8.4PUf4;G*SP3NTf\$GJ;f!<@KO7"R_>\$>6ENOKXAON.2PPfTLR MfJGfO19=QX68CX.=Yf-SVD;0_I9-X+fJ5HfFX499@&DZH0>;9P#fN>GEfZ)@Q M@-/>\$;8&K#J(G-f1&*WYP*SW>'=A1SLJ\$3fEfWfU0_fJXM'98./UfY;F;+0L5 M_fJfJ*WJL38J^5K@%NZN^3*W?TQ7?>_fV-)_\$K.(;)E5#1K;%.WBSD^EV MfO3ER?=>)XT%)Z?35XKDP8Wf>#A0f/AWW"D26SN2W,&:'0S\$1>"YR@T MJC-M MRD&#f=)fGK/f@'S%V4>WYPf+JfJ7 M9fJ.T>9)ZFSACM&E.3@fJ)@_"MD8MDWO:4\$fH(f56E1;PI2MX'S1fJV/KSH MVJ6@;5/D%IfK<%O;D_EfEVB42P)U42,T4^@_"fE(OJ?N='=2)^8f%IfIC,+4'M\$@H'=6GCY"0QO4fG(%#'\$R_9\$f!_!G6f#f#1f?D9CH+3>9DZEGP'+O9C,R<1fF M\$6?KfQ%?*U71G=LY6G7.?>0*IGf_+_*3X8U^1f9X""1X(F_Q"40f,<2Lf%M MCZ0F=-;B?O1H06-TZV-9K*T;RD'T'Uf!\$W.)SRRFZ&-QX>^=YPX;,<8;747\$ MCL.86;f&YAX=RWLRRY&VfJFIM&N=O--IMfOILASf/*U.%0F.=;BSU6G61_4fM W&0ZTG;?RfV/E:OJ=?/f^VY.fI+7E-*R-^f-.\$fLDUZ>RTEQ2LS09WO;B;@Xf M3E0Y4*&4WK=ZO:E,NV)U&fJ?9UR#3MKfX%M,1ZV#>F5fIT-fISU=fA<"BVVf M#>@>;C0#fSG6S_76RP_CN(>YfV"8XP&U@-Q-),HTM?Yf",HXA1JfI?CD#B(>3fTfIfM!_%5R_4/O;MDSf)1L-0XZMNFk0"948f-GfGfJ5W_,"&#023XFWFB@TR#ENC M_K"HB7TUF*G)V;f!*>fO%GfYfL7;fVQHfI1+NEAR5H(f,f/>EOK)(M'S<%QN_fJ_-E^M_&LWK%f/4%EG1A/YKfX M=/

MX763#A&G5*FKQP SK81&/R(HW7"KL\V1.HX!1L+Z@5OW!=XP"?X MZ_>(JMF4&!KH9&AK&8?(-
K8\$X;1+C@P@8(NXXUO>?5>+4%V;V);C4\$2. MF=E%J5EG+82=)?%9>D,U<^@UBQ^"D[KZO?/<=
=6)&G;CWH:8\PE3NR)R!
MW5JQN@W&U/H)C31F:@&A#6WID.O@AXI!!J%N4G+1+WU,OF'#TJ(O9' ^ ^ ^Y/
MW3G:N9TNLW7I_\$/_S2Z?_"G#G?IH=11FF_JG;\$5_0^U1HM)1%3G7HI;_
M7I737Y)W4<..VISB<=/L^/>@.NITST%M7-B=I-&+N.XD\$WTL4!=% M04/JI?;?6/-
H44I;C)6TYM<0DPI#IVI%MK58=Q UHID+.L>VG2+H+!JHVDTI\$?A>1\VPHH+RZ%)
M%=T1C^+OV3V*AVFI/-..T7(G5P EDV+9& MO<I1)5Y%M-JI@BSC"*X:Q;U3*)9#5\$%|=
OLIJ#XU/FV6ID.VIE7M'KC^9K MA>E13;R6N8I/W5NQ:_' ^VY<,K>7ETT#VA/J:V1FJ?&WK<77\$:-
)=UX_0 QH..Q&'85P2C.53 MP+@/;YR&%J2FL?6HL^#M*2+I5I|=;\$;)6M)F&;1*:K_5^W9DF=9E
OFLFX7 M'&IZ_7"4GBX:B&WB1K3JOMBDIW_#*F"+#A/60AGI0)9Z:;4>)^S1)G6IA0F)%G?.RH3?
NY%*^'?).W1%OR&_ %A:M/;<-1/^EJN%LK)E MFL%J27:JX"R#IY;IX.RG(7&VU(WX'P-^%?
04U!WA#DQ*.6P.JCO.PI:MBM'.EP|3UP*!SKXIBVT!&TOTZ).#JH_*(I-7H:YM7_S^;?8&-9<_ =T1X'C<
MJW7IY7@CM7:T6Z.Q\$G(JV)7IE2F!>V1H/DE?E3T..QUC+9#CK3.B;:;UW
M2109'4_8KWX)C:9ZFY.AC F@I4|N@/ 7-JP7!O MAI1;?TYXQ7I&_O?;_I
%T.5Q5GKOJ*Z6W!LK(D,!!G4B_YV'E_42_M#OUJ;I/M^Y4V@I5>:I;IMG+PSHV*)I!" L/I\$KPIPI
IW=NJ1E_I/GZE\$&?25F308SQ19G6E|=2_I6K2;5S6M M1X;_I;=&M.GLLTMB@\$;/_4VHI8#
IY(3H3317(BBI>I/H>O;P(CS>W_IY M^BSWTANG^ ^ \$VX??GN\^?8?
X>;9^YIT/IY_O:YIN|YIKO^EO%G8< M=2T2ZKXTDJ4+JHIF1=U+)GU,J8 /WYE@DT,MVL|
A:RT8EGB^R!V+;M#* MV'@6M:UUCV V%X'I-JEE5NIVXU)J\$GWS4)!+;IALX|>(GI:)\$I V"%QB,#K
M'E5>@*9#R'!=HWW^086C37/QIRB!0*?S;SDSRY/_#2J0*C-P 6/PK;Y-NZ
M|OWNIR40T1P+FEQC5V^"QJ3F>E2)AIH"4R1@FO>IS!/OS"C7:@G;K01KI;B
MO,&ZNB^T/RU;9QWN W7,H9;/^A^CV_;P3N@72P:Q7TIDY(DH+'+= 31U|M*NET2U9GKLD-
MHDK"4=-I%UIHZ\$!K-) M);03'-8C&Z>'K);H*#*0X_"I0K9%Q>;,\$HM-0M1@Y"P<09%I#LV-M!&B%*@
M1'O+";X3I9;F|UC2K!/=4,(ZY/O\$EJP^WWW'0%HA)U9K0CJ*C;&#MV;) ^ MYKG4K3 &*FO^6)%
IDTTOF5B>Z=ITH@ENTH!OWJ&WP>187\$-D)@L=+?!.IT-0A|HIF/@H!D02DTA62
M27CRKW)&*81#6LO=9DE%9,%0F3"0%"Z28D.K 5)\$/3I@H1EDXC)F#;|= "+*0 MY:@6\$KVK8VH
>R)C\$R>I|=AB0_5GXIM4"6*=?1?ZC|Z\$-GG@A7XZV-#J#R;
MC)A'A+82'0>E\$4J5I;F3A>XM(LN/OAN7%JDHE:WT7>VH-V=*5:F(M/&5 MIF?-IHY_ SQ3YYK6-
WCO")3#00KKO"IM9ZV5M) O ?#7%+/DVHWP> E>\$:4NN&;2 VXi2!B>IX"0DDE J M&CKXY(Z>"M
3I5;-WO^" X SQ>/*?N-J,^PI4>YSIZ"^E;OI V3)6=!&0A M&WY>%BO(%R@9*EG3<9.Y=J.*W4<,BP-
1+IR6Q#P8^\$(!^@.A8.1EFR\$8J! MK8#;H1J+ID\V)S8SSW3.L?FQ&YKE&RX&VR+1?V-T%I&1J8(
=UD(I449A:ZJ2^Q9JC|8O^I\$PZ:Q'G2UJ>\$_B\$J#4<#I'T;?;(M&DIU7^T'_BWR4)9G54)^")&I\$U)/A0D1'GV&*1,7(#*C^LI?,B9/% M+'B:GI%W6Q/RFB'
SVG@6-I!Q*)JFB1R&""<=-?JM@Y)B55+"#IL'UYN9-JI_7
MWNLF00EGZ'=23,=USA|-98|C72*'L\$R|N5BNE!;Z2J.>?E2/9,Y9N-
OILBQ5LN|X>HVE)YWB1IWIY.GN?IU<I
MK:;VX2DP5WJ@JCK%371L0+:+0=2N5)S*Y#\$_'*3ZX%YY>: ZX%EB,_
M6*F/G+I:71>YL0FM%5\$|L8|4|UDMNB6%G/*(=X72!>I(6T ^ (I*.ZW1BGE M\$N7KI?'V9YMU1>G-
;W#1^|N+B H8JA5/OMW;4(=@'HMY\$ND_0SG;M!R|(<9 MYGT2TZ'T>V+S86MQW6>YQI@1G/(-
RN32;62@.&4|JLX|8-?HEOC.?/KOP MO2OZ.""ZON21:F0IW3Z"-Z0IF*12:F|Z9PL|1U0Q_5FM
K"C|CIBZ6Y\$C= MCS=8!_&VLOG#8\$ OQ,_M(6'#RWN6708D6 PT%024!+!IX(*I7E;P;Q'6% M1|
DL<#Y#M.UX'7.^O/TC?3HA'L3|E0AZ)%L|&%T\$ A;X-%L.1ZFRP;4*F
MJ=5\$4E=4LSP9/A5LDOV#U^XKA@/LIA?;=J4 O?"M'V_V4MU15I?
DVE!BN|E;L_2Y0'I_&>SFG^LL<VM8@0%1OV!.U?'M "B74;#0HZI-NQPB ME#++N/+?4Z+,27C
^S_0-LB&-CLA-78TOKH2/5/I.YN#6X@JF\$(IN4*Y ?8 M=M/MW?
(8^9.E40TI+78/!MLW>O(/_I7YR;LC9);/9:|H%CLIDKI@ZLM+ W@ MYIPTV-
>LNP(T\$('\$U@N|8|"+SS3=0TR;>J.R.ZBS|B&QD@*?T9&XUAB1Y<RCEDHI0 M1PA-
&95;E(IHD^9WE&^K=-BA*CO8|5O;JUC6'VM|>+J!E5K|S|'^Z;=5V!_6.H.IO.
MQ9KVY;:16'T:**V1M,VMMTD#^,^2=;LS5AUA9IEQE%/G&K8:6FBZ&2F_Y_?
M(VF6GZJQ'NA7:@6)JH(Z/^AD8ZTTPZC%'Q5ZTUP#87(-WR93JDD,8 T0>C
M&_+92>/>PT&9ITWC_YI'2H_33"@I F6WL!N9>AO4 M/(LC)B+:Q(I(+;
M*.SC!M#%)OAXHVH_UET%IG8*0**HVV!;B|8_-=[T/V')5A4425.5&+
M)ZI4&"M'Q%YS*%1R@XI*I_/L4SUYQXJ+*?DFVQDFFZO^=9DJF7>;XT4 MN2J%HPM!>>I!3P@E<8\$
V "J4'5JYP)&LL\$4V*CWYN4_7RVS"39V*_Z1.2#O|7I8>?OW%MA89&4I
MMD8I8X)_R%WN8K9+P=,>=.)\$0(D J&2(D0.JYH#;HG@ZLG!Q3WR3@DG
\$\$UWI>I2GN|Y3A!*:6AP&_W(I|ABKU!1*HVH+GY+ZA
M;IIFC'P214O,E@&O9#IR%E;:BF8Y/9&*JFIC=RBI%:8YC2F*CDB6QL;:% MU?
M3'1T<&NL06BP7#J=%N&AC"V>Q.G1*M8T92SAOVO(2WW\$S,@)4#6<+(M/MQ\$6\$BI"M7-%JSB
MA?M,#/CE:SMHA2UJ;5TTRN\$U5A%F\$G_T92G Y!IVOI_=0?-K@4W"XL%EID)TI/E=XUQR?I?*UN5>Z
MZIH A;=T 71CR8|U*OP_:(T&2>TZR;LL%6^!.O6:/MN@0!R=&1DXE.2#MG
MI=KZV'.)X"WQ%ULWQVB8W%ROK,D(OI')=&%!E#=#V)K9.)_DI@:;_8/S6P+2 M|_# LG23-
3_I(\$=U>DR%F=;/&EP&BMB-R RL,893&L=F%FC#5G0G(5I<.(G M|YOYEDY;4:D4:<74&2;_ ^2)@;
(S\$!WF*PY8U*UI'\$Y|RN#F2W+DL,1;S|A
M%P_^(E@I7.K,1#@^=QI9EM0:2)-6P9WP")MEXR,"J0J\$P_S|= %PKK=\$P#=?^E"(WB.W%QJMZ\$
M"!K^PO)P>9IYE,("TFR6!<1B>;S/0?9'KU/V);X9:ID1VK.%@K>7IX^UR2 M<
_NRR1U\$W=D\$K95+)H\$DEC.FB@X:L=A)+1U\$*&Z1D>W@DPTK|+6_9*6.(5 M3J=-+(B|O4ZRS@K?

TWH^+=-??@=H.\$5NM4*ZX-/F,%ID U^>^%/!:'DK;:CN M3*RI_S\|C+X
F,"!Y>\$P6)PRAF/X%&6YSHN_(-/M);P&CJID|TG,PWT\$-BO1P(9L^45NA.30+|HB0U/VU1??
<&TGO(;)X.#(W? M9SY;LY?%%[5E0;:&)]-BTY"l &1W?>P&B6X(BX_8/+G-04A\!&F496!E? 8I
MGT%:|7& 3U" M*J&"O,2;=_C=-+P%K!<>XJ1?;X+F4X<:7B+81N!+5T\$Z'#\$Z_!JT>_CEYG M_-
@!;2MS&PJEHRIRU7ICX*(^Z8U1B_KN;/:/:KHK)JAR|&I/1X1;?X/^@|P MW6|PK/\$K\$?
Y)|7@ZQ_D+*NC_I@KZ(VC?E\$Z'- \$"H!2\$R8SMS-*K: ^|U'L\WR MX G3 K&_GSCA RZA_)#Q";77&%,X-
ZE@XQ!3|>KGE:|UW9N@DWE4CW|_8>|O<|U\H"\$))U1JO_DNY2Q3G.6(6@L6F:JTY0%OWE!A
M|KS4NG6XS2E?|&&X|AGX+=!?'6\$;B.HC* N0E61U/#"(#506,EZ@<+|5_|M_QP(HV?C.Y|M F;FA&*
^7W|N/0\$#IYY1C=" #Y=>._|MQAN>Z;:CI^G@E_M'YP>L,QADE_ABOXYXQR8.5E A*/DL5(UXM(MUX?
8K6M|I*^V1JK:|HE%|91J
M_(PU^EVTMX_ND_C|J;Z\$J_5|1M6J0=-E;EBM))%"^MBT4CN_)ZD>#^VPDZ3
MAEC"U/JPBDHW@Z%\$F#%(P9E5FV \$TQH2DK>"HOP L2*P+5+!-=. MI(BUWP>#1=G6;:
(O96WGI(VXIPO:N6B3LGLTVA>3^0A!\$2|%2_|-|^GG4Z'- M8WB|EVPI)X3'#JRV9/7DQJHCW-
!ZG=047%I8;L.#^\$COGQ= 6.3A;:3#*KW(%1Q_7|4V18F!8_LX| M=BK53D1_AE*P.OU?X>? \$U*):-
)DB9X0%T!TY42LAI_TULVP12\$7)8DY(M.R. M%B|*#:U>C)7(T8H^!U\$T|ED;K.SWD/_|;6'L MN>OO
706B#"6I#\$;X;V%-66**OFY@0C|U|8@^,K.3WSG-'N,>D>1-^D3> M".*V'!|*
B8@|@1;|H322(LI"X56K*3|_GE/VDMQ-BK%|J?EHU%6_Y#XEOP M*
|+|JYA6@YP|B@N328\$X3LJ|N+"9_Z76PG&Z39S\$WY|_@\$#SF/7PAZY-|6G
M5&S0E6SN>*>|N4=FQ1|U@'C:6^2|L^R|WHK#KO).9>N??:\$ZO!Q<5M55UPV!O!30SNWO7&9L>|5;:
MVY1R">ID/TB00&3J&>1AQH|T\$X&GDO7QPO_-|BKOF|J|&=LY=<18)NT(*+K&|@:XL-
5^!EXP/E%F-G6 N0D85TF'&%, MJ2FX%-|TWM4.*O:K7I5%R7M M;A|P>)'O&2.B!|481V;"UZJ4^(O?
O.*W JAW.);|O|TX78);P5|!#NOH!MY_>|S(A\$;>AL5.G;|F3DT(4%JC M?|J|3(AH_+"&&-|H4P:9R02CQS8
/Q4*(_DS";J*V1V!;|S:B&Y-S37.Y) MS/_J O?T*?|(R?S.DW-
/_>R#C+CX9IE7;4IC2AE.D^IE3J),^5&'_\$CO@TW: M%@C8,_RE.C //9V5U1.MBXYC?
2MY%,N2|JSXK=T7G5DL+))%"#>+1P%KW|X=H:4%(W-7MU|Y(%EM'1X766-M 6MH6)>R>U9;:YA8
M(|2X. "H-X"H'A5;|L 2.%QJ34;|N|JG3|7AV>HN>>SU:|IFF)7Y+|5^&RU
MJH|9X|/52IFM1G/Z4U|Y;RSU=8|+=A@G>0#@^7DS^|IQ.QR4QWMZ6_#|D MO|>T @H3XN-
5;|VY0KQ%+@M_,?L^;|;|3V^N025|)1966WEZ|U#R>W|!HS4G
MT91GN/,,|HH0M:@_|^|IMCN>X7UZ.NS C4^P_PK3YZRP"XX"M5|_5F?V6/6BP
M!2<7)|?-(RX*ZCGN4WN_TB+DUK-MD.D9DF'J'15J;A!G=PS'/|TO|(|N,%2 MXS!*:U39=\$L.RYK-C)!
MJX|U?|PY|Y2|/'&=&= 6B<%;AEX|@Y3^GD\$<@9MD;#"B"G@560V=V)&?U"U?C8
MA>E&6|P|(#1=3)3A0@JZ9^X42+*DU4BHS3)=?:N?P: ^2!|"YT,7I6981PNYW H MY(&+!|#)6P|?
\$<6G+K=F#H|!"TP&|&|^AYLX G%US5|HR7)(GKLSF=?N'7VQ' MG+0" BMG_2X_Z4K9Y?G|_-
M|*E+B19;%)CDE<)=C3:1CWH#|H2_2L3?7^6.O M'#|G|0X<#;!Q+<^XJ|!M;9,O/EBT72H-
A|5WF,Q&Y|K9'8GS4E-X*5//OVR|E+|_|+R#*J2 MB^=(JGB'JL8?
+>|0540SI680|<0=J)I:M%P=|A|J1G91-P3LFXG>?@&(?#JT|L;VB<|0#1H1,7V92_!PCO/M*?
Y46BH>9XF|+"&=BR?ZG">, MH*T?MQ|(I+EOLN!LW1;|\$M=Q/.0XYGC^01*UPGPC" T#.D?7@#
<%SY?@7_MJ MO1;^M 6%).UFL5>)9G;1>.|4VEZN3@QI8.*58#!S<'|'|@
MWM2P3@YN)=V\$N#QP7X+OZM^:X0^JU#'#'3#,GAX4NZVL!G5&SNIUKYBM|(" @P M@@_-=
YQG?|4;H)#26=5|5@EJRF&\$3?TJZQD'8WS7KH7@..|/3_;
(OEQ_"/|3LBTNJ.E9ARL^A_M;2FGGB3A\$LR?S=&X4|5+AECJW MU\$^@)96'8IP|T!\$YBCF*R_@T5XH|
MDD|E24*NA<#P0C|'#HZM+Z&R|E=2&DNW?N0^E|MQT'6
MG%GV0G/_WY;^P|V>Z3_(|I_Q+;26;:/_7T&DBA|Y 4BW%ZO:@%?|;@?<-QS MW-#01S",<5T1>S
MX9B&Y0LO5\$|L|H_|2WG5W+LRT-|NF XB"EOF.X,XU5YAK;#+2PG)<&O779W"(IDLC MM1-7L,S|@Y-
T|AE M&Y-'6%I\$P>)'TRQ2:OA38GPZ \$V+.%GUAT%-,SP\$E; M6C;I'#9CJ?
*G<&|&8V!P/\$@|2D+!|C|QJDP?RMC|F>*D1?^RGR|=|EB+7 B
M0|>47NI@>@%H8^#2K!GML1L9NS"9PWD_Q6QB:'C6<+YO&@#_Y_ID7BSAYDN2.<>';==O
M>G1C3C_#AX\$|)S?T;%)2EMY)P--48+2:B.4\$3/VX#0*6|,9G)DP7AVYYRU) M3EM0
|HX|JYK\$.HN"7;ND^L|H23WK|MP|\$|5>..*4_ HX@&3_*?TG!'T4SC MX+,1KJ_|L:S
5)ON";7LTD|P|FP5DGDRIHJ52--1?^JC#YTTTJG=UDC-S'(^M-6)"R+5!;K.P WYA O>:TZ:
(TB9_>3KCN';_?"|K/%E)|P:~B7@52IHZM M|&|R"0 PQ1N#F |H|=V/"7\$<^@/P^UBXUN3|U1B7 M
5MKV/Q3WG_B>QCG#+?W|@J5(V+D7=Z!67, MGKG5)Q\$R"A Q:9YR(9-
=R\$B%")G\$W.6RA(P*!L*>FF|F20D8YED1:FZD|\$|Y&
MNTS%9M5\$:423VI,5&CDDDBZ_|.72:B;|OR6;1H*T*18FY4A;_*"&NX7\$"05M
MT20KS%Q0!WMM|WUD MYQPI>%9A1^7;.F8"X_5QBEX*:+9/=?:L0>|+A"GYC
M"TC=|EA+2C)&D'/\$;.)-?K2'>=5_\$34?N1EO&>C)|"RO@D<7Q6>;3),P'S M+
(#)#MKTP|R2CQ(H2)L)E6#HIEO:!.ZNX-WT2P#7,6#6U9\$(:V'KSbv'4L|W
M,T2O*(@>5AZGPIZ4#V)#?'|)&YRX%SUHQI^_OCP+0(#3G4Y|TKN'4@2E9H-L1
M'@DVJO^EKAV(QD?#CG*7GK-^,W)NS= M@D%?|M.;O;6;:/,.(PW%1|,LOQ|Y3|UP|1V40=,DA\#*C3?
CX8?B4S5!KU) M7 LWT|T|&W4J5%TBX(VKC_CV"0N|T#7%\$I?/U-*?P8W""7|&1@XQ_|^>PI
M/A3YE|H|=M=?T<.:97CN|J|D1@N?20<5N|(&>2+_G=O!O?R(CS>W|KYNFS|H MA>G^4ZX??
CMA>;?X2;:Y^%Y|/_|=|_OK|YNK|HKO^FOUDT+F?A6=(8++T? MON@F2'>,&=|A3E2?
%|V0|ED^DL:V^ (O\$ _@RP|2F;W_/WNC1O^6FD=VB? M2:"%41;@)9Oj@*#H_//^Z|M|^P#?
RIX|,9.R| ^N^J1>BG,DYNT==6.OZS'UD MF:|6WH|H3WN@|V+8%X@0U7UC=D!':*B#Y2:N.
21\$|)8&M:*VD:.'Q5'L@4J_MEFYBW(21,ZJ=SD\$/H5+9U;X3, #/|4Z&_@Z5Z,WB89R/AF1)LO^D3-
D8K>/\$\$ M%2;PWFZ(SC>^\$|0J)B9/_4F>):.18+QM>:J54'#D(76!""V:'YI8;"UFN3"
ML|>>R^+Z5(M\$QTEDA|&=O1;:%!8DW,(3VQ?J"/S|H0WHZF%Q3B/C|OL?

9:HX&Z+>YR@5>7^<|VP&|9TH\$OQ7FW^VRECO"\$4PM0
M:J/2QT@AJMJ"G^CQ#;^FV28LQ1%@!0)=@L|09TI4P(WC.%@6@GUQ\!5Y3#M M",A.|.)>P-JIQ#LZ-
/O,9;6)JDN_7;=?@7(7'1-NU0/=I_8E17Q MS \$0!GF8_6YB";5A 5.(TZD)\LP"?
OFCVEIM8+/.R384V^KU'0:T00.-HE
M6KJV1U(UZ7KH3S0,M6865**|"%"WB^H=,/34S" _U/SO56>*7BB2DMH3N%IH_"
M+@UMZ9#KX(>/0;FR;M*UTB|JC*NHZ+C92#VE+V1_7GLD.EWFE?#+=_PW^W_N
MP)\^)'^O#CO2(/U/W8Z8^OMMCQ+%3D\|D) MDY_B,3VA.|R4J&;9%7-:G&9?@TS;NJ\$1S(>);XV)S?
8HB^T\Q725.,1LFJUS
MAI%BC1QIIM4^7|0|BMIP:H5*XAF^N\$|^IE%\$E3E1BR>J=)ER)W)W-.I7;_-=^VF*UZ|5R
M^7C4W2&*+79LFF>F+|9&O?|1|;E%M'?8?E/EZ1+"4=|8U/>+0|V\$J\$^FLG+4
M5P89'/4^Z@<'HCZGB|XO@Z+<3BLB.0|3%-03F|ZW3QVJE8;|OB6"2D7UEH.JB: #:DYU8(J@P
M/Z>)VF\$M|G76W@%O=>?O!:=SJ#6RK7_*M_H@'D)%3L&N,N"U!|:3=| M6P3FD M"KW4V
*&^<Z7D@A56W1U_H|4&J2\$.|N|NZ>S^OH=T67?D2 MO\ _5PDM5"|>|NRQ,+POY|E"!|^BB7GC,+&)^?
U<23H?IA,?C"9L.<#0U#4V' MJ8/'HTD"=7|P?CA=5, @&R|FQ4,>:"08V>F7|P_7R8ZFSG@
7%K,YP37^Q\$8D M IECG/(5|JT>9C?+I0'\$&!O\$Y|V= ?UP.3RC0Q\<^8AUMS-7|S|O7|P*1Q<
M#03785=|X>!24ULSG1Q=%V6U1Y|S|L|9I8+73_A&>.|=LVH2-F^ZG,=TC1_\$' MG.0+|8B;|3FD\DRQ-
4I&UKG-57-4%6G!'P2K/C9(X+AJ&JZ*M.7WXRIGRN|@ M /=_6QDF8T#RUAL43J-H2)Y? 40JK
MSQU*K5%?.KH^M_#3.I)S?F5|VNENT@,Y4*Z2!'^Y?S*^?4\$ _2^&2B'|+RK!
MKYYEK|A^69TSOZ1#X_9V@&-O |C|)WUX?=#?9UV_-' /EC\$ _|N|&@9#*| M9E-00X<|
C^D=&*C,6WB+-G:C55;>,<|!"1K=CH#/((<|.PA\$*@CZ#+P'OXCMU M.FM=MR./\$98T\$=+I")_9S_8V5@B
M@^EV?O*O|_,M(G;MY)R4&9<6@PH\$K(81+&+ _JL-LH|^ -Z\$"!N4AH/EED U
M:X'#*GV1GZ&Z:T8T^>6B#13I1|7L,0V=3)J|^; \$RPI>|P&\$V)X|9&|LRT-|MF;+|WYM>\$'R=LAB3|)?P\$
M1X&S4|3)Q/8(CKG9U8S<%'YMZTW'Z3>405P<4KKFE|A I<@8)3C_H,T^F|J2 MV\$RQ
^"WE_.Q606/P:9OS.F|3O5_L&;J?|ZF%0'\$Q^NED+;0<=/%;DGM=F%+ M*<_R#K|*#ZZPS+#^?/>IVA5;
(W6;"\$L|-9|_-@>^K,;>#)&_+C|>?)M^~C. MOH1|.E?2Y|)"%")NX_\$R3@4&LX'E.B.MJTY>|0J*N
QDR' MX|%;@;N6%LX|JTJ8(|G^>93#XZ.'QQMEB)O7Q#A,'P<4G#IE2|HM)OS|>A0IX
M3*=G0^0)K9>>P(>S6H|*8A-::O=O&*?O2<"K.2&;W^Z>5JO'X%L\$7|UX_E
M&@ZHMYBXH1MEBBI,|?PEL>W,-ZE_ :70H^V(_QJO6-F6|LWBHC47FT2-4)|
M|Q+V'R,L|FU,#!V^RZ8;KO'Z%A#7_"(7*#@F8386'!|?PS|.Z'#P(\$KT>8! M,H-
5|;|I!MT&F931|=41E=>NQ0W+EN3W<> M2CB*W!LO=->E9T,O62/Z,FOFS|@*SA%^G&DXW0@M
#8;W0|R,\$,0_|G&9.(V M4"FT|27P,Q;_!7.>"3LU|JTNPI0-X&((Q?6|^#8:OAZ6?_P'|@I'H7M/1C MN|W
!(<=.74@|80(JH_@+Z8_#H(R%A=8%G+>-4_&2PP&PH|72AI0CS^*#&%CP MT73@*7M9_&(.3):8%
=%HU|1|"/>T+;N&1WAWL6UX (M\$RS, #8+E8S+GF MAL?/3G=#J\$1D'4B4A,;."D|03FAC>-
'0EP2)_N(\$ND#Y:3!'3Q^U%#NTKLI,^ MMZSIP^R6O@\$9X0N3K/(46)P|A^B\$;|Y3><*>&Z)-
QTD^NI9R|@ ?/(N?:B M)3V! UR@G_*94|_|*)#=#Z@|W8|NN!|%3H?=/#|=-@L&FXQ6|3M#H8'C|R^X
MWLL3:|QOL|^-=6SD8|HKJW*|>^T_O2_#Z#)O?._|WQ/_N1_0*K,686XC
M(_^?/E.),N@K,VDPGBFR,M/ZZD|2M&ZWKVI:CPS_"V*#SH-\$)L|9|_|P_ B@ MC>H_A?|7NS^ ^WKV|"
(WM_ ^Z>?HLW'U|N7MZ?+I_OA-N'WY|O/GV'^FVV?A M^?=/S_>?|V^>
|N^>Z|HIG,)*|5|_2_(%HP<34#&B/N.?:P/M|I8% @ ME@?2E=)::|8W;OAK-
75@:|YK^DP";W46?;A@94VW*LZ|5^|\$|Q&+K<2FL5|@ M< 7|0X&7#|E+|VU8|-HNJ.Q%
|^:8.R%N(VUS)S /G-9K\$#U"S64+1Z%KAHQ M0OZ^689;_@+.\$1447SO?D"<MI)>"Z9|.;&:Z=|-4|E
M+AW^AJXK&->,%KK_Z=Q>=K';&NU+;RB02)T M&|?;7Z|:9|J1^2_.6A4(TY>.!R|HVPR!7!-=)|
+HO|74N!|@NL1|F)B3Z: MJV+37_@_|T.N+U%=#_ |&;X^=4S-!LX6G,<@O^?
8M#WOUF>B^!RUH|ZM0.? M9MLASTX)"(X%NORI8PN#&B#.80\$F/"_I_7|X,
>GPQS"1TJ#COP@GLL8:3 M,_) 9D:0\$;%V'D6V_"FBB#?;#(*RA;&,-PB-&.R\$'=
M9/@|/?/"H1L|REFPQO@M8\$Y8;)|@HBZ1A)HC=6(MR!;D|A^<3FB'BF9@Q EM|I|Q1!|
05BD>X0^\$L|OJ.Z%;*:#1.P@, #*%Z_@L;^8^BG_&/_T&)&9 MG_7"&FX0^2N?:Z"|:>J M0ZR8U|
(_'0,?,E\$<^;"#*?+-U7%BI+9W'=KAG()#R46>Z&1_3<2NXN*\$KRJ
MYI81Q)Q0.IA'7=PI^5|3T'5H;AJ9|FDS#S/_XGKVQHX^U34|VN5B&+F=I-9H
MV\$FVN1#&Z|P'+_J&-11H#\$S="2\$.8:2*+A25>41A9@S-=>M1WY#V,RT3R' MQ!5DM-
ZGO@P#I0TCZ(X'9DBX_3*#_2,ZTM?V&B_?G9"GWUAJP5LLN9 MJ^(
M|@6/(K;M*V%&X+5|E;W;%|TQ)TI*V?XE*,2B2;+|\$!BQ)%B6PBV&24R6FRN MLR:H\$SE/"D4__RU8/?
M0=C12MA|38JX!_DIE*_DQP1N),COR \$K1A<>(\$<0(M@DV%EYH3;+@T"##|
V52>R486,6ECD&Q8M=,T2,2TYV(E M3'G2A#|Q6G?
A=9,|N5S<%I,'15>|"@:.*DO#O:YO>AJ(7RMB+EE@|H.|BC'2 MF+CO",LXRZ+>Y8=/ QYE2
MQ|WD"O>2EI=<3?>2|!"N3W>E|#/)-F#J6Z0AUPEP,\#M=T/%
M^HTY;H6ZA2A+_"D3X8U^1|16.7D2N"7^"8"^NT2Y8;MD51_22UN3%07G;4W M3D!?)_AW?
F)|3\$^7(>|I^BO>C>^HS6FH@6%<(#+=9_O>D4;J-OV)6>'A=49K M"(\$N!O8|O0Y^<
CFPM+05M>Z27='O_0QSD|XAHWZ0?I"IN?UC=#ILEO!;Q+B MO|G_|"7|JR-\$I(W%?
HX^V5;IP">+;O60,DK47<#I=|;#9,E^NUU1.Y08L1VR2
M8LVALU=N% @6=86LDH2"JJ2J&00B8:%D.|+*_ -2%Z<)_@ "&CF>Z**| %*#<#P M0_
|OV/9DU|1<6-:3,K>%) ^.|/:PK=5LCY6C.Y6+^4?|VKMF06|01 MI362DM/ N8|;_&"5HN-
F!A8&V8Z^Q+F>>U2VE-^GAJNVQ4G?X|>L%#\$5^1AC
M&QYMXG'|M8IPR2M3,|"EWQKUMG9_YTIJV:\$VS7REO8985BE75(L3E?^TK"G6 M|I-9 CZ=V9|2&6&
_S/\$BJ@_7|<|H|S,BQUL:M:MBAUS8>KFK,;DK1RPG<#3_M_Z,MEA|_|: +M+GU;MRMS4:""U)N09: M1?
CD3_/_#Q^,47&WZ7EJ8.A|@DA!M=(B|GZ^LJF.^*K'F_.SN4"5E"1339 MXXLK|H@V 3)Y|KQR0D;^EH?
USW+^=|X9US@+++\$I#@J;"*-%/#3?3)3DKLC:

MBA*AC\^A1^:E\$U7Z7"KRK=,D21W@=G0M&_DW,) & J0D MH^&JV<^E7D\$A-&X"9.07"
.LDI>Z23_@+US1KS>:\MXH1:IB&A2I&2>P\G1 M5*A!,*RK-4#5%BSM.&VW%
XD:PC>2?I21T6R.IW9.+;N+ S82&@""^O4#\(
M?"*3TF9NEU!)W:2#AKIN\&%^O#FB/Z!"BDR>I!REGAB\NPX#&.\$USH\N9\$ MG&"
<3708SH6%EGDZ+FP8//3P^ 'Q%,NQ<5PD 3%? N@R@UV46!SS=*ACU'HE.Z- MW"J5<|<)&#BS@D9-
+^%5: =3#>3E%_T'3D"Q.*:\$TC,1QMG0\JK1T,SW1MS M>O>7IV\ZU5ZP (I 3ZN<-8<.,@?)S7S0Z6-
IS3'2LX+:9DVS>8\#<-C2&DL MRV24MJQL\XXJ?PQ:(UZ8K)77&[MHA+N^(+TUEE5"V\$
M%:G<2FKUM=MOQ-TZ87*'G,X8%_%'E,E D*GE89%Z\AEF39N*43R\JBUS2HT_ M1T3.(=%
E8:BZ8RY(J.!!1SJF8P2SM:S>R'//L1YV%\$4)>|,Y^&@,^SN'I?LZV;!'WTRC1\>8OP MVS,I-3W<'B?
VS@'Q\63J#)/&K_!#K:V#U_VYYFGCSJ6B.7VXC\IO/& MHL^PGCC!\^QU5VD=-"3VX*",\$""8K: M@<-
!OYJH;=DXFIF"3B0%*KS\340.V MD/8H;_!'=TZ\$B0>BR72%):S6FN(T\$P?
^25_325)\$B*>"Q_4T4RI&*W>?)W.R M\0SR,+OU%S.A#WR8)83CC3F-R,<7A.H+//6384V^1V0@F+
<\$MKU\$F6!\I+5M MGL&S\$K*F69J2ELFIVY:)X)N3@QO"I_137IHM9)&5W#1))\FH%)H<+SG-#O
MVM@J"^X4S!:-Y\EM87:DD9I*H\+UFZWTV6W:QD\IA\I'1"78XIBXUIC8:(NRV+I,T=YA\77XGSA
M\IE6*VO""^Q.LI.E^CB"H?PB*I.0#YW,I>2MR3V0>.'LJ+.A_IJF>ESR1@T12QK:SI>%\U^S)Z\7)L*B/
MA(J7JV?A..A6\Z*:4"&19IG6/_,"[6%:%K"F/KP>5F6"23_H434T/M&IL M7&G\H=,%+&LES+6I+
<|&%3\$ _FX0/BR)K;EP4%\MO\G5;'L%J'O7\&EJNK Z MO\$ZIR>+RP*;\SKNZ06QU@P-6-
UROKH>9@YV4U8W9ZFB\$.N<"AX4N\$!N=#O) M\$1KA"K&M @&FTHPV@%!SV5#IH,"U5:#+
PH&O%*81_9%FSB+,D\$V^09JXYP MX^=51"/Q^9\JX,0<84Q>,8YO">3'4K<)/@KPI7X,UIOR&
(\MG#\I\IC+<M3>:TQ6^Q, #M"\$O;>M-QI5I:"RDD3\ISD\JG;TK6PTG3_S\I;|N<.)*T" _^5
M"F;GWIYX,_Z>'9(((*VW3,_V^VW,>Z=,YIV"BB,I@:)E83=WE_9%9)O
M"0D0HOJ#VP:I5&5=F955E7FE%LW:\$(H\W1N+2F,I% A/U)0:4*BPU:I%)8X%) MZ'YL-#HG9!3A.4E
Q7:!:D1A.I:I"\$?Y\8@2&<8F;BQ&6N%_C;RX(F1N4:T6TD'C3D)OM>IX:1 M;5%BW45
V\^K@8F^5UU?WD+IX.S/O>748D;>C\;:SW8H\$#<+<= MCH1K6.(Q1_
C_X,6IBUD*I_V_F2.=*89+6VD&V1INHCVN(-1;U>DNMG,M;_M_P:3P"-KT8+=H&);&#Y!
[NB11.M"H\$TTA,#(I?W=_?KY\?B;AW9M_ =HJN MR=W#\JW3X\|HXL>UJ\^G^KG?^G7ZP/7@8V+Z5
MP.!I@5FU@3#UT.3R)E7R(>)/9^G=8\B.B.BS17#05,?%GW"4C@'2<+: ^F MN-
Y\ "EU^ _SJ",>X&YB/36W&08J+6F^V8W(=F&Q^|&LP>W;MP4.'1\$XF;_7:6 M?6:;<I=_O&
MV;-85H)"E;_UF/ZH_--N-31=G?RXQY\JSUM2,?,*UE9K6
M;A8MAKR@C=*3I42=5U1'QJCHLP\!#5N\%W+&_15B):5@'H\B1P3RVILY+\$ M/2PHT1WYBU\$IH
[7+1ST5QF)L0EQ:3G80^_RRE=D-ED Y%TK5=;|&L73X9 M W\YL;YI0UWB5RD^DW'<7ERK7NF
5UR0_%I9^YARI!+8# FG|<="/H=04T3 M&O&:<_;\$G-EFQ.+A1:GCP4&6-
+@SK""_0#D;#*.8,P//8;LE4UL3A3*_I:Q M"O F\IR-6^9QIZ?8#Y\LOIU",5TLC\@Y.V)ZR?
GJ;FFW\F)L<2+ZYK.(OQ1E MDV)R*ES4&
(=1EPU)_SU=4D)CN\I%-6M\@KT98XC">TLDI\3J>8G*%2HT6" M J:Q+/B8M2J9.=
>|P2(I9<4M^KG\$TZ4@0&><|^Q.1CSB-#1?!(O01\$|DYGT#:".1-PX3N_\$F2Z*7 @KGD#+@|LTMP*
MVH:W\DG%1G"/>)&(3,7<+@M=D3AKTC70J\6*43B41,<^;_L@J;&3A-OD:2 M4-
4*#0)_XC5FH)B#)*H!DOE"/8\Y+NF^.(PMCG*^J,/_MQ M;Z%^6TPH_IOIC04J\>ELPC#
W64S*N+!'&7VE#DO*#4?ON@5@|SN,\$0*U!P MU6/JXF(L|=)>)WKBJ?>_K\|LP&8PLZ\O*^"+O^@-
OH2OTW^)K_UOCM% (!M'^Q_?@>S!?,|NQ)X4=|*CMK-VT>(!=1|LA\OZ\N'GOA|Q;\L4<.#;Y M9
_F+HPSM-OBW0-K,IL,%@T*717;LIX#7, 4OK5A_D7! U8CSGE8&4_*VPP M"UQ
L;|8\$|Q@BF,XC9KV%4@_;\^H>QAF8Q,=;W@-"I MM2"2=ZM!#S\$6GL\X
X<IBX^V4RB,?'O56I)*QJL.CTLK(!=<==:XC_8:E.F+ PX693_0.CGJF_06%F
M*^QNE>!\\$NHU5ZDGYGH@0:34^V22@0-I:S32&0I@IPXNL\JY#D_8!JW34QB8>O&/'HN?D
MZ@LD*#5%+|CYX^>LDGM?DG2??F)!T\%F/B+F9?6#T)7I72J,--:KG+6N!!S>
MDH?:GTQM3\!@NF(6M_\$A92^D7;WO)0^7' GF>5W<&T^IRXL#/_F%,SH\$ M7Z#U\L0&#
(9@P\%EJOP'EX\$(R+*W57B;|PNFRU/*8FYPR(+IETD3)@^Y0'P M00^
SUI%Y&EUN4ZK%\Z9LW#.Y#GUQ9S\H=A("L"Q=-Q_=[^VR=QQF)6^V)MA
M5#H55'E^;34C>+KOH\MEKQUHUU0S^3*N^E8"3X9F&Y,#;<,O?)\$|S\$DT4@
M32Q\@<|+;48&>X%9,Z24-EE.I-"!4M0-HL"E8M8%2PR/R^,\$RQ7 MUH\$PX>VM/>I
IH_DDZC8L/(88X&-5SFBHVEES.4G<|'8M,^,&RZ,6@_L)R>R MI#%
DO)&4MX<<>OF@7G\+D\;&%E8U?6")7/(!)TEA)G2\4LBE?G=91H\7L M 3R%T.F
GB0C'49O/|T"";2MOMV9.AYHM/D5"H_C@G78S0?#.F=+%8.WN M96EN7BC;JU)71XG+Y_SR;(T^
M7,88)JTK@+ORR;2A""^+!MWP=?;3#6\;W%J,1HR#->KW2T8I'F")#\$'_%DG)D
M*&&,8DHB)@FE\X"2>F0H*7EXL&<:|7JR;L\Q;/#*>=4|VS"?IBNAYLUX6HO
MIC68S'D\EC?I+!ZRBC+G'XIX8Y9U>>6#>>B00\$#\Z.X L;A&\$R-U9\U\$JG
M:9P^|E'&S.8+HLSS>3H4827F_D302A3EBZ+,4WDZ%.FQ""BQ6&?Z8%*@BK"
M,@PS;SD4VQ@4*7NG66_&9N\I\|^+&F\;5=;*I44L%.=>C;K^YQZ2@63"E86 M!3OP66JSOL\9:M'S
+86K_7'0L.H\YGM\EV\;Q\+;KZR9;#WSZOA_YGZ\M; M;!_Z?TTG;_3=19&' M_--
*WAZ2X'7)^C\3K+2T>A@O1>X&F)598Z\$;UAY,0>O@N;0PK2%CIW4\Y\Y
MESMM84UCU#58%B&W@J@Z13N\BD2Y:\$<";QO5+_N/OS\JWS,WGLWORS^W1+M\AZ>
IYX>G^Y\=^3FZY?'IL-?I\MP2WK?/O;N;^>|3_ =WO?/O-<,QLUH&\$MN M)GE&C4>3">DY\8L?
ZPXWMEUC)4Z=MY1G5>+LZIE2U@*"BZ/*68O.*>OCNV>|*AGM*1@%!,Z&.@UE*0LHFJM109#6-
Z,"623E\$;50)YISPGRI_@;VKY8AKX83!5&/
M/\$RY#&4*NN@#@#D6^H#V9,%Y?:N384W%U2)\$QVN9M; Y\$|7I0:P8FC2O6BV6*
MPO:0P"\$;_1#HL\$8^8?GR5>T.+ \$H(1/UM;%#^(BYXS)1N'U\$38>|8@V>H-QY
M\U8<4V73!G%2MQ#,G?QF6_OOS-PAJE'1?M=\$T:!.MCCH':J;LL\ID,-H" M^!L;A_,@D @2/Q%7.F;:2

:/N/^,ID?)A\$>?F-P[167GV/M-BUC-B/>21#KY39TCNT+^8.;;+_NZFFHL0S#')LC+O=>>C9-
ZKS'N5>:AR[U6F M.:JUZ(05>:JEFT*0RFW)KS-XG#T,9))KRYHU/4'38K;V\$6[7:BW& MZ^U3EXD]X0^
H,1U 9(R-"[?@*?L.33YCWL*BT/5VRIA,.,>:G25[-9]P-
M'/.&FC+0_=SR4D\QSL@S+&:NF2<+L>PWERVXFF?IB]PW&[PH6Z,M2["4#C%;
MIL),D%JW[P:T:AI"9DSA\R6F30;9!H(&:4=C:"3B:+[C^TGVX\$_+3]^:O#. M0ZMLC)N2:
[M]^6G'UUKR,/+8J&J5#HI26ZD]20'J659TA/X0DE=A\$;#DEJUW3-"UM1E;;J+7KV,.,_5?[*6//)5GV.T7
MN1^Q=C'"WIJ#|C_@ "FW4=2-!&OH57E39F_O)R#&Y24J>>MT.U\$;87C)%N\$M M.7H5@7>JNE*
(,V1;7N6[3\$A28009P2?/=D<+YXWN-[UU]>WMJ/OC.IV<[+ MKTJJKO]JP-
>_!M=N'QL8A(^+0'+="Y9[XRM]@6(^=?0QWLD#W29X-\$[V4*[,WU]"JVTG2"]>U.:K&(D MR(?
=S,%PN(F(/_\$.J0L.00(<+L_!J*N+:76*GT>Z?:79TE!;.%|Z8N;Y9W/) M+%*9\+A?%FD^AJ,|
BI*"N\$15K./C8L"APN|PB;Y|-0X)MSH[9#=#+4H;P)*%OIF6Z
M8Y@C7VQIN%_@^ (54IDHZGP02_1T%FE\$AL%!.<56W*6G&E1%12BYLGHI1*IU%M M-
C/7_RY6R3@!#J6FZ 4WMA^V1R3N@A|Z;"&N43->F9?H! ZG"#X(M7Y*RQP9_"N\<)M3Q8
MYM[H9V].D\$XWYN15U6," 50[4\$Q&1S(J*H\$BX.OKNZ\$>56,R3)[7RI+:8 MNQY[4K*," MYG?'=F-
+D*O-2J=9%%I!>5@MP;1% !OH-3. OU4@|)^#*Y(T)7YN3H;!*AAN M&TP8==D8(^K-Z%SH8PX>.
()BRZU2TOL YCP-?A&3.PAIAZQ&WCA5\$W MIE.0#5Q4!U(0K8XEKZMJ#-
G;V;K\$SDXA.&U@Q#H4G;H"3D91X)3.R3R;\$|L^ M.F2V,+.+.D3UX+(\$+)?=SN8#"?
SD6MXB&FT@L.G@) 80YL.N;&'88U M)-:D\$CAIPG#7T!=NE,.,.OI?
_OE&54JO15JETZQIDKR?)#;88Y!SD=D^/: M1@\$@=Z#=UE 8U"KY3G
[T:*=E=WF&*1\$<^7:NM.2E6Z+3-PN=!R! M!OR?EI2!*P.0BC)0I 3\$90I(RL!TE(%:H2!8A">QZ8;4
3ZIW70N;_EZ50< MT!G/O/@O&H8TIG<8TI/'GEOU&%|;H\$98 'FRA4 7!|N>GZ|<.*YY /H5
M3K.^*2(AZ(<|@G&!=UET0N8N&#|_G7SIOF@X!)ZHC2K!H&G>>0STK1*N3,V MP)7%Y#TM?
^_68[5SG6?%4BA:K762-2!7^_!G|?;V;!(H6J"OX,-8QT?X M)25[@Z&O1;(:?
^@A6D+&3NH4C^9(YUI1DL;*49_I*GZB+9T0!%H MO=[2*6VR|K_!C>?%MFB_,U
; >5P@|>1B@H\$TTA. H?I'W=_?KY|?B;/W9M_ M=HNR=W#|W3X|HXL>UH^G^KG?^G7Z ^=,E
MGHUCR=UR?E#TR;3 LS+!8/<|^('Y(|-X%#O+Z+%|_FQSEL>JM|H4:=:Q8 MBTVT33-7G|B@+?R-
/9FB>;VOKNLRSWVPK8%/%QW-5|:5F%6(KL3D*Q(|A+SO1^O^O*8)KZRW LH70)Q93YG|OVV/GJLVL-
M|I00H.5*X8%YRW51ZOU17<631CVW;H,%B)23&E);.#=EQ>G,8#=%00^I*RFKQ MDL |RANV8C!;
V)1W_P0A>)TJDOEG-YQ|012//>#MA3|DQ_+MI>P2FZ#HG M|TZ;8BW)N\|#2#OL;YY:B*0E-
3Q@P7G|"ZT57UTV(S"ZA"/QB|OJ>40%O7& M=KWT,2%ZBY,4Z!|/J9G7(*
(HIG=CC'B=HHRGKM\$KS1IZ_?I!;:U61^G3\$, MI+!>/B,CR!. ^Y>OHF\NX"Y%>#3C/BU;/O"B3?
F@1L;3#A.| 4A0NS7JE\$Y>5 M)WW-0PTWCUR0'N;^YG(9)?+%= =L,J\$6L^=NAHVL9H/3H|4R+
|FDVUE\$0.VR MF0< %*^|U2H,E51.ONC9D_*E|JOE=U;6|F#>@SID79)/5UD,BLD)DYJ-O+;7
MSZ,"UY9%=@=1FJ M=1QJO:P16>_UCKO#,)M0?0C9813 JEUCOAP7,N)FW:Q W\$-UJ(CX;\$1|Y,
M;TR@DR*|<[3(%C\$M\$(WQS>Y-?(-TXL(*)|+5FZO+HOD@('9#"V;:@\$W|L M#U.+YH|K48L3|H.Z??
M?L@8MX'EU"/4#(\$EQ|TRJN1<"^0L|PEEDT8=-N> MF@.1AOL4%M313L M8A@("4!/IB|O|-
IKH>W0!1#+Q|/-"@3R=Y=P(R"2+|)"|.PWZH"L%CO)TQZ| M?JH'F9V('7=?&|J5_J%@AJ0212)1!"%*VH"
ML!JR^A.E6?%I_H;.<.'XJS%F.2K)I&@NJ/9SD)^JE6
M@P'T:AC67%D&4N9'%7/G7>9'76;RA|R/DOE1.C|*YD==4'Y4CP8A> 6?6<> M7^P*;SP2E"/S/TJ|;
|F;:AR|HR\!1'B(W MGV:TZEPS6IGCJ8IU|E|HH/^+3N;L"AK.AGP:#\$H!8884DW&IZ>>_8Q=Z/L
M_&U100 S/*:62&Y9Z\$8_!N53EO)"/W(R,BHF6#|A+4" M.J^AE&&I8,U\,O<80Z9Q.SHRK#4-
-8RD.N7D%A#^ ^3;= !):NHRW:F4B-EB M,3,@1@.KF;*(K_00LQC-
N0LO!SLY9)PS5|H4V8SDGZ8W#F0:0X|^.#6E_\$V M!1;X26 R,^G6>GD4.19NIW).YZ"1#11UPZG =
(&PUIPF:D M8_Q-LRB^@W0V3Y<8F@@MF\$ _?+DI*W"5XFG_RN\$;073J862KY#>?@(_B2Y)OI
M= '(SH:YKCDPVW(9W/-72BYO)+?W*8UK'#+Q|BGF5"MR67F3:%7D@2'_O?
AO_16BG*,>:TG4WJ(|404C*O+; FEPW@\$*I\$+ MF?83Y6;+)"XW?
>4T1|&)FE7%2/S"EOZD\$4\$4Z+4X/S I'\$P9>>D*99G65(* M\$;^SDG3@>
(JD65).DWE85+T2D>KZFI>;OQY<(ADB/J5ZBS5^4".0A|JC%G? MU49N!SJ%
(Q%9K^>8/GU|R=&2((/:.64@S1;64RXU.=SR*-&R1RY0,N32JW M+'XID|N+,G?)Y.
|+S%R5R=TRN5LF=|OD|@M*|EY4^W+8*P.WE&0Y12GI&K2L
MJ|@=FT);PV\$S<%,1J6C505648KZR>1NJ21|;|4<3\$G;J"0YG/3)P^Z319%? MR*GE?
E'D&72CS3D0U+K,T"DEGO;+P_C*08R&%P6PU|ZUB?=A3:FCZ+0997, M;=>
D|ZT;A#N51*AU#SVQMB^,N2W@ECUL_KQ4@)_EDE'I:7I+I82+TD">M/B10W+ZG91JLAEWT#
[T: ^YMOB42#WNBLKN-NK%68CCT<^PLXY=? MV%7?8?
3I%1U!;Z_IY(V^NRCR<":/:05;/RGP^@2=WYG"-!H=K/<"5Z ;ML.1 M<,U+Y>)5T!Q:F+:0L8-6X2=SI#/-
:&DCQ>B/-%4?T99N*!JMUULZI4W6_G<+ MMRQ1U^P1EI;U1_%IVMDO|6HMY>Q,(U\$;'.8_G'WY^>
|YV?RV+WY9_?IEMP| M/-|/3|=|^|(S==Y_N|WKGW^D'VV-8_7BU3/"G
M15WFG@_"J>KFE*L|J)FKDU2C6T_+)'%9D|RCN%+O_N7A4O=TJFC|KTT:0= MENFCF|)'MVN&E-
M2;LIEFI;0!%">X;SDO-N/= +.+. "S/=)GX.5B?!.I.^, M1@|6,X>+>%*
|W,KLP"VMX|Z#ZN4NFH#9E2*T%??-"W<@.I"J!OEH@S7(^*M* W
M<@,H@THD@3|B.4@QM1YD=DQV|]"|B7&_+WKCMGPUBPZY5.0^;(E!,TRL%0
M@|D#1E%XS25JC#4\#2"S\$NH8@7,%GIB|0|QG% <8?,H&TQ)MDM":-MT?%
_82W\$J*V5(#IS\$5FYT."J%&'&?OT&+J\$-7"/>=[CS;: MTF&4)|3D+FJVV3@1|BFG4'%C@=Y
:YEESI5KF4("9:AE|%;D|!*)6296B91" M(F6O9>|6*B(E.C6VM&1)"M9V.@5% M|5PRG,,B%GD
B&TQOHA=W@R:Q4|.9QH"A?@2^'9HBUXMKN2V!RLCGMCOQCRW MMK;"C+
VI"K5&E>EI>NZ#!FL%Q4\$-E1M;:&%W%F>|2Q3H@.QD,|K&<%/;\$I-MGI+PR|S.*(C|
|4/O>#B+VL*|4(@8>0"MES3|7"_9KA>+8VG3_N @F_Y?HI; M(UWBSJ?

0\7>1:1#WT+0YUBGQ=199UVJSUC#R27!6=9@.TR4XGUT"MR53I@XQG;7H\$V^.#6UZ;:C7SAK88\Z-
1HBIO4AU*MJPX;CAAS509(QJL:XM= M4.J53N;D>QEC6T0 Y36KI
0QO)K14E.SK,N2ZO@EI779(D>UV1986:(TIFQ M*BVI1YJP\R6R*GE-
2I&V!+;JVC67;MBI75+\$U9S4JHO2JKSFZEBM4BL=72V^ M5L6':C7T;:%;>_F&1![@_)*6U6+^S:MHE;-
'?K@7!Y.\$_E:?'26_3%\$S30^&JA:B2C\$RIY++?7?P]=_'7,S%. MM(D?GYXH-R,SBZ9\$-BK+S)?
>,AF53JNJ&7D%KN0QF 5=<\$H5EBI\!#&*F<-<3KVZ\$.F;I7PGWIAZ9 R"M&R/O#,L)
<>LX#\$H8FL(NL!\$)WIN_^(1 M+GG#>L\^%8 ?\$V.*:P?V=&IZT,!:!*I5\4_-8B!F!A(*CW/G_?)ET\$
LA1\$H? M<6R\>|"H_-,V(# D-'6R1M85#ZL0B-A5L2N\UG8O/\$2Z9SZ8E56< DS7P&>
M,YIQ\$W%*AZ_B38C2Z6S"/-IVFB%-GL/K0IK\$@>6RY7-0P7:*9M^7HY99X;=#D-QCST,"&&0W@1?..!L
Q+8,=9(SUU)-*) MS#J2;P"(JL:'505I>0GT#2=V1)VJFKQZ3U!GZ+Z@\$A8J@.:YD!U0EJPWTRM
M%F"FYD\,PY7BBC&V^QY%Y2;R)3465G1;+*JU_9:T(D?;B4PFYPMC"=73& M:8RF",G+%P?#A
/XP+R;/:=-I5;W2,3;=(@0ZA/(X4C\R M\%ZK6!YK8WR;WY"!A\WYD M@8.!<-@!I74X/!IHV!
<,90M"L<5;D*+_)R+I;:LO5I[@^@ G+@BD))R?A@N%N
M@^"PLD7:M\7N/758!&QC7^,K" _!:=SOR5B&?L65 L\&>HS=R\#23SK87?SR
MW\E/.I98=J>^4_73=6-'\$8-#I\$.K5SKM3<%1BVZDU\|=+/L'Z0HLRHQ-%2YC
MM:~:5K'&YF#,%P%AI>HQ>+3U4B40S.)K<;\$8AB6WZ<_)I^"KNVEHNB\67G@?_
MB34*..>..N@B\N:M" _E'OKNA(<=8E(E^02WVRKAGN\U9>WT#ZT.NYMOB7"
M\G\$BEZIL;Z^))_03VXN8.\$!^/8,5\54?_+/O5IPUOZ;3_KNXDYLV"<%H-O4TN!1B<0V4\6PM'H M8#
(3_O-0\PPY?JIGN"X790C^0003%C)VT(#M'OLP&W@/).H.VA'4'_^120M MY+*(.I*X(ZPU'_Q_W/WY^>
IYF3QV;_I92;HE=P_/_=T^/3_>I.W+SHU:O3UW<\$_I?0#\4I9/%_/_.*@1+PKL<,6!3P9\!\$M@CZ_05NSP3E
MP7VO%=JLL,4H7V)8%5RT0"JRLU7=?R(4E5:VW=R(FY535*WJAF+G2RL8&I MN(VQ=MU9\$.H M_-
JNNO^Y'8W,527;# >?"Q\LM=>E\LA5F)2_@+=V/^:~0 MLE2E+'.3I9*;UH8LG.0=+4-
R\I(V(M\$'+I9(+0Q60P:M_V75THXO(G=B.W"49& MEP2:\$N_%Q_N.(YN\$@&_AK)I7P2I)>
GXPP%^Q\%>0L#C27DI_,NC3#I//;^ M_O 6ITQFPR;U8L)\H4_XBJ^C;RX39=!6#K!C@(\DR 7)=949U,?
T!#* 1JJ7 M.D6A.96@.>9LF@4TC4IG4_1F6;5%WJ"[6\$F;ZM&&-)WB*94\W9\OPWY2 M)
IEXV/^0XRP;"/2>"S(6XDC:&@W!^4,%TP2%\EGT@3 P+23J)LE@7'FP-@Q M6R8
!N;N1)>=1P=&3BM.,<9JP6=&P3.SQVG *FVLD) M.TH%IE)*%,;-A)\&\M6L/2QX'\$:~^*:9;-
Q(\$;YHECOFL3YI_>;GB?(< M..'RASf+,*3?7@0(X36C\+F4NSWV>S6Q-
'70I_F">*MZ3;VKN00N*T.MI:2+ M@=I\N:|&OR1U-+5>:RB%"_&&IJG;7YY/V'(>E\4CEYU%P&2\$\$^\$
4>%G)9_5 M4T=N)F\5S1&T#;?!G?G%"A_X)2,%.):/AD&'D9CE.78>0B\31O
M6O*+OC_7XP>EINB\P30UA\).Q&8<%TB5FN74EUEY:7PD,&5^>-J#&/ K&N^
M\$FWOOJ99KW32\@,MY+OZ7P9HJD*NX MK;N3>V@;UL-*UX+A4K-%3\$RN%5 MK5ZB6C92-
4JK&CNH\!H1@SZE4JG;63.-BE6;&_7^2D0\|B82VC*^E:UM4 MU\9=
<"RMY\J&M\K_YR=#:31^ (Q=65G"G4ZLFN\$8+RA/2P<"9LV%L:<*>+@R M-
GY/EW"!%&KLO(:N5X!HC;>G=_>>WRPUGA+|EH&?O(FP4B<|+>:/L>;/EQV%C5W6>S)=VB3-
I_\$MFE->:YU+-;BV_J MZZV\ C;3Q!\$4<=<?1GY?5&SW?K->BU34,M GPZM97DY"T\$+?,FV>8#TJ7>I
M+_W^2V)@2\|MVM5H)3G5;6J7SZ.!B MRGNODMF\$^@77V'_FY@PK"E2)Q;PC;7^=X_T7=;3ZNV.
HFI4BB\J6C67\$;_ME:OWU+1> L\&(<=OK/^NQW(FG>T1J\$1^:9&_846I_-*;!4+^11WG8E+T->D.
M!O\I?.(S>8=LYL#0)DUG.XV/5.XCI72,6_O-/J&AO@V-=*Q6(JV Y/ K'7#V
M.JYI@(.4XM'HG+.F>0HCQRS M:9)1!TU2SN58\6+.'F2^4JDVU4^:A\|ZCB6SE7;>61F-
!-9DZ36&&JE4Y2=6 E\!"?Q<7-Q\$P=* M5Y3G/(X@=GL>_I\ZEGH":YIADF"AJO_K B: MR101+?
M.93O08@!;G.HR7.8#+EAHTWS6FF.8B\!>|Z\K>-|HJY8\3.PP0= M?--8*I!4H-
/YGS*U;:;PGE5I#YV,E=#EIE(24'VWPN-W'#I MWZR;\$P?T?G;=D\A:W?I79;8UN)DW7M\|^:T_FWN9;
(@7-M3E0.MH%)\$3ZVA0!#A>+C;P9?6%7?8?1U=T!*V\H,W^N\B((0+N)I6V/26 M J\T/EE9=<-O1^-
#M9\H59@%6R'(^\$;D)@Y>!4TAQ:F+63LH/W\R1SI3#-:MVD@Q^B-
U4>THN*1NOUEDYID\7_W0)/GD>6VB.LR.L!L,"IYW5\$=ZSE/&1 M8!HIL<=A^L?=GY_OGI_)8_?
FG\VG6W+W\SW\ATW\LC-U^_/8?_B+=AUO2 M^:_O=W\|WWVZO^N=?
Z=%M+!GKU97%D<&)JS7>AY\@ (PX+OEP(RP:&_X2\YK
M)F\Q\6G:E5+9\K6Z_6OJA%;&OML'F&+"|CPBL*\$"B:..&O*36O)XI:2M4JCLJ8+|>5^M^S"%:~0I.'*:RH
MY:+/2SKI%#'.J4CYN8LN-7OJ98E'(NL0R+J\$(ID_\$RU-/I@6>6?4<2+FGD
MDH;XBRVD_WMOY@CGVULZX'(NT+B3X'^9?/(I&RKXR9ME<#^<.RC^TDZQ7 M.LU:*
IH1>;JCU(L=WG!T93Z#VZQT)HN!_?X@ZL?0W=;E4ZKILCA+<#PYJ^I
M!AKF\;H"1&R\$<=B91=S(I8OK'2I-9_VF;I:\$1-99)N?3\$ _@90?F3,()^M= M*2&J:G&9.?9;'F\$V)XBJU-
B&"C7J\TU%HA^!,D@LN(8/W@5MBH M-Q#A0BWEQB^/ SG8845;8777?
Q56+=\$=@0N%B%+HS6>S"0_RH!,RH.Z8C";V M&S\$ML=Y\I/P_#;0\$)@\$R("Z<3\$&9Q%!H#9K@-
UM;/Z@C;J65<.%D&0\V5HS\>N.X\3%C\H:63B%"+,\$@#@#RS<,XA#\$ M?)%G,\$+TLK,0U0U:WT\H?
1>!=Z0+<^JKZ;W+@|^CQF=\$A_?_%>6:I2EKG) M4CEF(\$P*12>=7_8\!\$BC>8-Q;!!XZ 2?V).?<
D)^78YK.)/??0G0=7W;&GH<#A MR?ZUB,PU_%+U?"ES=P%M\TPA'48GX\0"YR&@&6-
+^PK&F"VRF75K<"^DI MSZ"(20HTZBK,%ZW;)S%H=F4F"\MYI7<0*!Z!MM"7H)^L*#7LT-I%AM.:9*
M82\$I^XRLQ^#;5>1!;B!;I:6TSDS3E\#J)Z MP%(IN*
I(N(J0)&:)NUBBR67\W++&8_55\5\Z\Y7Q\$^VLSK_!-W->K-2J>I MM(IP6"O9_1B9%EJY*T9+7#-I
(;4#*D9A=>,'>N1O#4#*ZNW"Q'@LYF+;95I M:6L*0")N\|_4FSOP/^>Y>8;I/T\LP?
>E4!KU"F\$@JOD\R\F;?>P?I+/S,8 M&K9A%':JO-Z.O/R,R5%\$^!N(BHNEBK\LT5T0)S\$ 3#0I:"?@84
S^~L:~0 MUO>_NULY4))RGL1(Z%QH4%I*35,+2(-B\&#D2\$7NL3T>*A^VBK,ZSHS0=Y!(M%
(2D72A&Z)PR9.ZH^#1=4S M'7^4;55\A.>?7'MGKKP8'/I9P\I"?W\|CDE7V\YX\CSX:F/&C9-YHD->?
M4BU.K1:Q*^>TZJ\4.IGWHXM5,\30V(;)K2F3\PI^\$ _P%SN+SFQV+> SW:C<+
ML\EF.RZ+9#&WP4;+P5#*6D5I#&5K+T-Y(27#|\S248X>Q6.QCO)11(E\9 BA?

M4|D1.\$W151|96!K2JSR*L2QDSYU8R&, @Y8YH%JZE6>(GR2V1Q3;|&>P=M';I5EXB?
A*9R@VX4>HYF\$KI5280%SQF#N-UX*1O M>7"V44Y;T5_H|+1FD5Q%;2#622KN1L\|H"G(-#)RL-
;L|L*6DA|S)^W|Y=B|TY)*V4+*A|KF1B|S;=D>_/9%#*)(%B|X
M:9IWJ6JW:SJ.U2@-9N"|UKR)PU=/M:XYB|D9K>SN<>SJ|&'8JYW86N= M#T>;C|Y900D*
KS|8!+NUA*U9;|.11B|X^D?I7>EO"P2?+-TBFU+|C0E&U-LTRZ%6K@4
MTEOU?'VWK"-9|(62U&*I08=S"&+5U(")/Z_3H1/JZ(8\$^Y52=C%_KR;@1S-!
M|&L4E3G2F6:TM)%B|\$>;JH|H2X>U*:W76SJE3=;^=T.'E>K&I&U?))C|EB2-M^|PB^3-*8(RF-BV-
O7):DMP'C&^HE1.S0 X"YS^|SUK6&MZ;#|IZ 8C"A MN/#YX|G-F#F*T^?C^\$+4-H"|J3 :-
CU@@_Q|:LT MT!|W(Q51;YO<1|L,0' M:;)U&ZL;M%:&_30^_%5<2U04E(7'&Y\$^1.03?
DS4&".5Y(GH1\$OXMP(UV
M"T32L.RKL^PK_#YSF(O%"5Q\$ZI4'4.4L\$\$.UJO1XBZ_6HPI"l.W\$N|L>D.MKV;4|=
DS+&'X'GULCS&)Z|BYX-MJJR3L9TU=1DAH:0*T7CE3DM%X1#!;F MO#)_7(W-(8CO&K&FUBL=
|WV1PAKV"17S!@MPV*@3TBE|H7^,.*?S:6Q=T#

/F+=5WB\$J\$. (W-WSOLZ0)8)Z"O@XK|L2/H@,P*YM0@ MB|TB).5#L<('X^EB*<#PK< M.K'?
>+XW6H>!PX;F1R:VZX;AX :G3>S'#' 3U^|T:(9A|=X8HY8 (IP_H4 MZ;G|?,PH= ^?XI@,7EHET'4'
1>N2L1Y/VSGC0*0)K;|'=O,8##MJ1A4UQSR MKL!OM53&&+MM6KX,Z611B|.U1|(68H\$ LZ|
TM;&)J\$558LR>JD0-+TIW (IA M6X+G9\$1&L8/W|F.^6G)HFSV.GX5|)?%57\$-^DIGMFGC|+Q!
A=TI+|O&JA M?1-67|Y"^^!_S+W-MT1RW\$|DOAJ-QHX0C_'SI*8X(5=|1U&OU_QT)-K.GFC
M|RZZ1F&+ #L;?W|+@=+Y|>GRZ|HV1FZ|?'KL/?Y'NPRWI?Q08N|^|HS|=W_7.O|/H.KLX*-8|N4.
MKS2W,+|+2D@N^7 3&-1?XM1YBP|:9XSA8|6R^2YNJS>YJ/JYU|JHUER=W M5&X%)
|:OO+SX&B9K<"|:&|WV881.EISHJ|9H7|E!.N#.|@&=HQA"F+0)W% M^&:MWA;N|\$ (N< M_UQNX
7!&<3L@KGT63PORW/K@_M9Z2+9=GO*.OT-K2-Z|"FEA?#:""R'-R3B|:2#LV#7(!GX:|.E4C>VD8X#O
M\$KS;|N9 /-^CI9LTE6-DD74CZD^W<<#E_YF*.59.&0N*+*HGTAJZOGHKK|+3T07-
A9.ER#29V0X.AG1Z|H0>C2K(C1!L>CW1*QVU:L0DP400 M|SQLV6/-T?|
('U+59=N|)|V\$#&@_CDN&JS@?I< M5-(*J#FM/F|@=%E-
#\$^4&+|OL@7ZG'2@DU|EH/1|^%2E(@: @RXA/6".8Y M50%H8S:<(I_ "5 C\$C+|B_-TETUU)#S\$D-O3?
|22J90%KJ|AU-16N@33C6FA
M>DW+)|RUT1|+9ON|Z.9D3LF1ADI7D/6%6\$B0F|4@":|.V"V_HO*DL'TR<;|A
M2Z\$LF8|RB>WDXV|WI65?X-WC|/\$V>KW2T;J* MH+ MUP# 4U11D":<7Y*ZNEQH"
=KRY39+J7L031.FPQ3>B/4P@R;NI9S1.VN(93N MSDX8W9JC\$;BB:%'ZS'MCS-KD^_C%7?
+SBF*Y>*7+E%4RTFQM;EN;Z|BF-6?& M0L:A/JH37L|RKU5M0"/R|<>6ZXN/R\$"GH6EU2V;
|G4+\$M'A'D8M\$HFU' M*V?YU33@;P_ ^= \$=^42940.0R.D(N/%#,XN!%6L@ H\$1-T-U(GQ8J*+7;%&^
MP|1_-|3:PQ0.J<;A_ \$/'\$6Y^NFW5C\$;H:B53|2QXZ')33M
%S8+6%F0ZM>,&X#=#Y#;8Y4RBIZN3_@EIA|;9|F(@&U+.=LMJ>6| 8W!HP;K;G|@NSF#UW
0N|AP@RP2S@NM< MQ|8W0 *,|J|*0SOH"|0*KXXW.5R_"UY<=@+|1@6CS=|C8&-Q;+X+G|!:B!
M4QLTSG;P3Y_/QC'=|S5RL_R#P)W84H=7WX.Q),)2@5F;:CLS@1&@1'P\$?J8
MU#9"RRH"N;|&SR%=V@EH'L HV.#5%|G<-\$.95%<&BT;7|5|-\$"@:P.\$'W_N-9=88S3.?JO\$Q193
M4(J FA8^FS"/NQ++>T#VBZJ40;K KJU:""I06#+|LPH2(+|K"A\$6OT2<+ M\$QZJ,*\$:7YA0J^SE7*|L#
(1|X_N=2|=S4R9>4RE+)|M|ST@?BT_?L4>F4\$O. M1A003U:7?@DOL&S|\$*_G1;@H? 5G<3Z?(8.'-
@:/|7S'M/_E|OX#|!% M09@""V_4O:R\$|KU=TUM*8I|JH96|D8IVX5^#GEV^53\$Q&3R526)WWT|JSR|
ME4Q-\$DG23%\$.,#;Y-2JSVY22J0NQ1/%9_LM04)J#M4VSPLA M7VSH"/AX4C91V?P|OY>TTJB?
IOW7MC3M|IG# ^=IBYB(P0@-&Y,&(C6)9;YV M64,, #4|9_M7?^6&56=|D)A+M!;I(XE:*J87-
I4HR6LH9H82_EU250E_1< M|3FKBX:A-PU%JHM4ES-
0EV;>ZA*C\$3J6|2F(.N04PG|NGJ(JT^@.YEHM4?^1 MP23!/N-Y?*.I S-AJD8|KS)3!2!;E7#+S379#;
<81&%;0VY)#1)/Q<)|3MKE| M+SPA|6Q1S-.%?;HH>TWEE|\$4D6TJ#WBW|IK&VV(%F%?
R10%6@!)J.4WCNZ_6 M15.K7NDTF|K\$4BFQE&4*WP-+C4I'RRO-OE K|>+GL<(.WT"+|4/-X LFP!3*
MH(R:)|FW:>7;J):HRC1)|X.FM=)|1&T4A8)5H*M TO0^:-%AGEXR)|8PFZKI(MMW).>S|:NDOQ7K?
4+|NJ\$E|_#9|'U"K0D0K-2'2:U,+3)%VNK8JF M3|9EQT;%6J7'WS&9+_490LNH=)|H5,!?J|XO
:G!;B4G6EZAYI5R@?U6UC M)7TTD&1.RRN\$Y52Z&4.,*&D0DM\$@J.>E0=!C M|T#2(&1C'-
#5^)>4I5'JCD>=0QZKI\$%(1X.P&J|_#B.I+EO4I7UX@.@F#OUX71|TNC&!BOZS42XD;S^9;
MY4XP87|NHJ91E,K_-DVA2*Y)_G##4.UJO3")#|)N19K;|^&2.)J5CEX4ZW5A M>T+|9;|>2IAYEID^?
2*WT:ITC*9,@BDGEK).XWM@"4.--4DP44XL99FC|!2 M&^;GS\$G015R)GT?
>JER.'VJ*WB.)NUVO=%0U|S:M7/P4\$DV9)NE|T(2G9\$;F M:5JBJ9|HRC1-|X.F|6Q34;NM(L&\$7
^5\$U\$;INW# M(DH#I5>*P@<@\$764J?NPB-(KG7892RI<)|L%\$?5NRX'H;|=D"8/(74)FLRXY-
MBUPRUMMXJE9MY;.%F=|0GF/>NE1FJ2=C^LJ(-V;\$_6<.PS^!-F.2-R4|CUI#Z@S%X/X/G_39F%CS|
MU+7A)>Z_/QA!S\$LTF?2\$1.>;#K(J^&(FTN|)(5-L2E|C'9*^//<.|2>!=Q M8;"A
0.*WUNPU+WRF#;5|X:6BZ?AS;+=/DW(?^8 \$N^="|@3L^&9@UM8MD>
MM&FIF>^^-8.H5SP8OH=F@0M|I0 PH@Y*10C^/G8=(9D1@'OS*TE M8?>(Q^WA,J?>&W" ^M;
<)|\$M|I3_8#%T(LB-Z.UG.\$K,7>W=BMJN6;U&>\$=C M|<1|MG,+5L8;S2>|;CPC\$|HAQH|3>_I9.W
:C(P@C-XAN?6>6LR6KHBDQ| M|\$VX3/DGL7PU6_AHM("5|D|\$,*|> (:;YC|W|G@V0;|8VJ|^&_K|PW-
H&|M|J#D,5X2#|J0|!HFY2M*L8XL|M#BKY-7A#%0>;3<""B_4S<64I5#W%JHR
MF78G"77*V0WG@=E3"N(FQ&|D?:03OBJ@N-0%U|?R5_8S>)P|E'PJEY+QWDA?
M>2R|J;|+=+&C|DZ;_#^Z-BOIHM CVQ| M:P#+M5G-FIZ@7;_-|= \$K%|;|)\$Q|_PW7\$9=J;68'6>DC,
<'5#H?&K^L|HO+ M?+FHS=INLA9X /OTV;:6L\$YWV;|U+V.SJ#O&0F,=U|+@)1M@/T^7!+
(OS|0M+;|N0:7+% M2|CX+<""X(9' MQ;7Y@WMH?+I8&O(\$|A.+&AH:VZ|U*)UKYZ)S1R|YJZS|=
|S39U|H|V5Q^7|)%<0="QVI=.;FXG M|FY<^Q02/>EGZ|W@TZB#W8Q)Z)/X.7A|/%@|YX;?

1J73*@!!J2&.8?<|E 4 M";.&^|>/R*2VPXJFV"8EE471#GHVWV,199S'+N"GNY+C94:6X@(.W Q MM??
H56YJ1(?W"B_*6^O:B1)P/S1^(7X?>?0G*N3(MMCW+JIA0#8M/E<%G3S87KN?-
KG_H>WMK?:C|TQJMO/RJU*QJ|ZV/6OP;6+ MKK>8H\$),:S"98W(M);-%&!0LS?Z6BCQ"JV<|H|'|-N;*.A
|,T"^(^:@HYM-F\$_-<8?E|:1|.67#Z\$_.&-W%PUZ/C|Q|2DS/4|SUS4ISUK^",|SYBH MSUT8.WQ C;
<@D&MG+>QJC2X" T:IF==*AKX@K|'#M+_7UA5WV'T>|7= 2MO::3_KN
MHN*T|W|V/E|;RGP^@2=W|EF,!H=K/?"X "|;8:(Z+U_T,*TA8P= MU.Z?S)'-.*.EC12C/4)?
41;NJ%HM%YOZ90V6?O?K4J|R.@W;A|PV|Y|C|^ MI6L*L2=?
RI%&&DGZXC#|X^|/SW?/S^2Q>_//M.MN7MXOGMZ?+KOW9&;KU|> MNPI_D>
|#+>E|^|B|O|W|O|MW?|KD9|?TXF#>Z'GR_|3\$N M^7
C+!H;K@>=!M0;89.W8,U0VE>:F\$/XO5UO|;&>DD"C.'0D#|9UU1T,G#D(
M"&>+1^IZ5|&Z,6|V|)*3=.:)|\$2P?Z! ?1=Y M/H4NP\$, \$A0|HX9%;. 0@TROJ#XD+F)US5H 7)*Z*9S*Y
\$*1EE)KJ?D0BC0: MM6:CG1-|AYYCHY3M+S^'.Q|Z#O:.)6#06/)768JO:3PD&P3^U%X7(R*M\$NH
M(D4AFSA92MY'Z#T;+ARR,J7791NNXAT6))_!HI/O@!QI3/5YU(*RB_V01I7 M:EUT>DC?(&W,7T|
|W/#DA|S:=J.X."\$-#M|G*XJRF#9@YS8K|E8%SBL?|X
MW!%MG|B|!AXPI|S+=E+HYOE,|AGR4_|U,95<|MD4/*DI'3XWA\$-G1C2;5@<-M%J6DKCL.=NXFL-
FX:JZK8+AOM=\$^L@L@?;LM_Z_OB/C.9^";E8Y15?64|3ZE
M|Y>^YO>VN+@|LVPNKT)PZOZ7QR#L2K7.QOZT<")H:IGI\$-..5+&S-*6B79*B ML;5;EE;1#)QXC4;.W
:4;0#K45.%OOT^>:9F XHF'M9Q@EI6R(DHI&|L54
M92^1940>SQ)9L/2L+\$^8H#9DPWOKE0ENW@?;I6@QW4@UHKAT6=J&Y9X2(X2 MB"
(UH).)\$>HPX"60T(E,JIYN!M^BVHD)IKV|6&/53'KJ^_ML1:V 2NFE,\$'QOC88N|
<2.66RGU|CRF|"R8LE_CA /;.(2=, MW,\$_H#WC1|H+0S&*GE4R="B;\$5+ZT+1@K_.|PXXV0J|= =
<*Q@M/HQ'/25V(M3-V2A^BG/&,77|FKFL|BX?Q9|U0QWF'/_Y%)W/V==1U7>:YO7G_?T'HS|9X
MW28&'54M"X.US6<4BZ&)0V@:9%'!|LO5<)|S.>6Q|'_C,W9^@|58G%/+Q* ML.:%"("O?
>F.\$3WYB#3_?I>B2WCN36*6I8H.36N4SB\$,FM(IEU)+>.Y-8Y M\$;?;*,;|@|(W3GA_G|QY
%Z6#1YUZC#/'|JB\$+>LNZHXCDF %L%=@=?76ZK|2<
MH\$|:7U=M5^\$F;I5.LUJLUFBK">I+Z75EQVG#L?0%|W2:57KC;+HRSFX0\$D+ MO@|&|^E<%
L8LID#@|HJLN9WI6N)&.>\$T5(SK^EYN|+|JOE1;)|Q6SV,BD=8#
M!%*5G8D|47^D|P,T+|D8EX.S;|0KVY8WKOF|2L5)<.4|2XX_2L*J>5B53 MTS*G|RD9S4\$<&_-
A@<.T2+X\$'Y1)3,6CV|=|EZ_P|V|79>^HS|5#L4)(0 MD+X93<:~6>|FA|XX%VLZ:WYCNC3L:S4WD;
M=O+Q3NB7)9U>=IU;;OW.U:025V;|WCD|QN;O+(O|VQO^CU|#0E*|UV|SSV M|*O'?
%_YZ;JS;TH+&Z>B;|MZ?0C>QS;|7L=#)F9S7EL76&|+6'QSVG^RYLOGU&J^LX,C;7T;
MT+>EK3|Z."9M#K 'TIZ(|W_#QF#J.CCVW>KY'F|C|O)Q|V+|2;L*8ME|F_
MU!";S0=2E|'#YE8MHI/58MQ|I|E;FZ+|G_FW!<#W0 >Z8'G_+N(K7|E5ESAL>B%'KA4'S+%;Z1
M|*D+#[|=!O/Q^<3W,0=;:Z7J_U2D@;<#XJ:|JBGVM">@VZ<1|JX=;7_YS" M|8@YCI^,CQ^P'S-
FX4EKS.NP;?B)"^CW&P7=7%X3=,%T;ZQ88VL\$9|!L*-R MF=:7M| ^8'?N;;XE\$(_QPMVEAE|85=|
<#R^7W"?XYL.WNB|BYH55A00&?_I+05>GZ#S.QD/1J.#
M|5XH|1|QPI%P#>.*.8(G|Q^T,&TA8P|I>G^|X=N?GZY;|I|?I/MR2WK>/O?O;^^|3_5WO_#O-
MN<,Q|F2%V_'GU)3B@2CW::ZY..L&ALN\$|O&#!UA\$U>,+L;2OM*%ZX&O|?K M+3YN5E+S>_@1XV
IMP4<&64).(*%F!_Y@|.<":9.VE-P31Q|&J8O|7-7 MEBRF9(W%='.MW))):D% |HLJCWY+DIF+"%/??
N#60VU|!F7K6L;KF,+J GN MVD|!'SGN8H_6VI5.LVD4)%!%*H-4ALW*H|Q<&_1ZL/G5DI6:H/4AL-
I@WIX M;6A4.IHA@QB/'(#P2^\$A@ROSQ|78' Z9= M^6*\$8_|+X|R>X5#TF/-J#O9Q)WS)(?L|@
M^2|6|2#|<8=>M.F(?1FOGXN'EN,H%(@'C,F7^BKUM3CZNL.5S:2P
M;4Y K&=>|!\$F%EOHK%3;9FB&+PC;KJ+"M5EYT(27)>BM,7=)_4'@V".Z_<\$G_GS0"25DO5?(V-
@=C3.@; MLPE_26|&>.).(IS9V;#6I(|_COY|#|_&8I2_ZWW>.=;_SVB^@%?%"FO_PJ M/GK(1CP9\$02
N8ID_YB6S_07>)YO,V89AG*XZ@2.K&A.V^F^80_*'96"G! M%QGF/H*\$(&D?L8D|?C9C;-F^!-
&|!#Z30K,@L;#/? |M|V_@L8M.XGID*1/ MK>_.2.8-W|<-L4RSQ/V F|AHE>|F2Z;40?'VR|XRX<"I&!.^
_*)|Y||?IO ME| 71G1_5Z(|_/C:\$_.CBU<%U002SS. SI#K2?00>_0D:HAY=?@O|O\$.=WO M**^)|;
|DMRP4%/|<+4(7QFQ|^K=RY/&T(U02H37>VDNA.7BI>+)07L;G-20Q M=@(PA!O!;?L_-
G3#3W>P!8YXZ8R^(HJYVE01H@#H&9U4>8-'S&^YG|&|TE-O MW;HL#FKB8+XU!|;YT M(<\$^
X\$&W8+/T61Y8^J|;_@2S)W |WRO(FP6'8?;\$\$(%|_VM ON%GY*)Y/W M*GD!;PL3&QD
V\$V<\$!%K(Y;MP0S|R@O|VW;'WV6'QR|TN(BOM5X|2XG4W0| M84GN17KJ622NM1HUK9%3Y|
24_5T=;2/D(Z%C5)D1>Z9K,@MTYMD2D|V|*82 M68NNE!T#3P:FQ^L\$|J,D WO)Y/Y?P1MR8%WH8-
\$5WTF29/^7\$BJKZ10.09\$V M):1|!Y>CPBKP2\$D?KT1.(K=LU4JG891%O)G&4 NM6*+5FPX;#R
5JB@%9I> M\$*VXA\$#R3W%|W0<+93|%_G&K"DU12_XB/;&MN/Q@PSIN%R.B<|!<1&FP"=?
MY79@FZ76*AVCE5=,E_1?I(4VW|)IQOZI=-JYA4_51 WYFPEP,^V|9)N_DN:
MME"XKB97|;@NEDG%#S+_/=C6(-#RM#%96-J@6L>DU6<#"I/N55GX/D&'U
MB=&05J73SIXT7JS,ID+#+_="O&W004IF\$XK;VU8H|J=*+.;)%>/E.,4YS)@!
MH|X13H"FNP!;Z;=+@T^7:E\$X).2"4NK.8;?+"6GC;JC-\$JWBR(*FP@\$(Z)
M=|P:)7#!.^<%&8T@Z4!=SB20R8\$*&1 .P4>!0 @/H|^_T"O!Y8^OF@56N0UZ2+2 M5JQ#C
%0*IUV,W,PDMS_EW|Q/K-H1"_2SIHJW|@S,L^:>>|K1SD%5DNJ;BVR M>MY)G-
N**3;7Y;*P3M1JF:C5W,QJFJ1XSX\$&^V5R7TVZGL?OC6&@7|;++.TW
M0"7Y6SJXK)I&.NIG0'4W46A22PK_0>;##^>_NMLYU/U'3^12?S):=Q.P1D M#8!7"ML!
M+1H.L,+M(D"C98|R_*#YN%;W<)|61JE'|+@:|C@F);'?NQ)67;1DQR>0M(YI.WAV
M5HEBW4+9X+%;|6YWO|1M9JXMRNQ^=S%&#K^Q#CFG?C9;YO<,"W?-WLK::'E M(G'X;T'N-
6:1=1Z,|6*'5L&V/^\$<98+9_58R@O7W5|L9S9F)4^\$5"H^CA
MDA%82_**YD)34IA#_ ^GXJ|36N|6=R"O&|MR\$W_B|G|4;Z;UK/K;6';\$S|KT M^7<
2Z*O+HXNLMU0=TQF%"2&0V;||1?/'7\$J|Q!;80F6"+R4|+? X)F

3A7H64ZPZL9=;QW_D2A":Z@J0*XP*,0 M+K"DHJAI:.-JURKVKYM^>1;
(PVCa@/3>V9=6"TE@P=Z/.KZUK2JOH7U8 MKLZIS;?;\$8V"H#"I,6,G;0I/RTVYT% M9_:9GPR#0J
JCMQ'_B5=G+Q%HX\$TW@_IX^/S_?/3^3Q^/I/M/M^3NX?GN MZ?'IOG=;KY^>>P^_\$6Z#
I>DI^UCI_IVOOMT?]<I_TZ+TW/3D!MIV&Q^OHE M3IVWN-
5*O%NM%MBMWFK0PMQ>U)JPA1.YG#Q /:*.P?+B8"X1U"XP=P\$SQ(2% M-
85P1H\$)JLK_L_W\$3SZ@/F"F0W<OG,XAQM?;'OX!DY.F"#,G??_%^=,&%28
MBBWP*4(>XI117IQ7Q2F0-,>KK.UHFEQ0&X>"SD/X:<()^Y; UJ\$3(Z M*@0?=HX\$YQKXBU-7,*IQ&'F
*!(<(A#CEQUX=2
M\ES8THQFK6&DHSC;2\$S6J#65f8_*A]2J(*P\;#GXHK!*&/HE50HQEB&:B_W*F(:QGPT0A*@AN.GM*:_I
ML:'#BJ;8QJ<(MB=PG6-MT(8H6D/?=F1YBH\$^6FFB8NSMI@R9>/2WP+XPYX4Y MHOI*_P&PS>/&&
(372KY-X:E+;NQ5>+_HJS?LM!T7,L&WAGA%"L\F=%&@_MYQ6WFI;G,Z(O#Q)ZS*&HD-
JO_P!@WW&3TIRHW236HXI/^\;.*HCXE!9IA%><5/ MIF8G6!4<*MR:SC#(W-Z8^JPJ,5HARV&LLE@A
J)^,>|=OIH?;UD-HW*QT- M=Q*C,6C8*1=QQ@-O?N7;IL:/C0/Y3F.IQT-G/L'WSS=*_>,E"C65^Q@>W#
M!VJ\$ O",%EJH#4;/#(3(03AX7NC6->+6N;4GK008=IUV6AJKY-G2\$/COD" M@:_R ?! 7HVYCO2<"?
6H!&8GYEC3H@2P'<=2T+^8WL"G767K_%6VQ-MH.GR MZC@#ORI.7U13P@;R.QN,(F"6"2"
<6SS:D^?KP&() W?H&^&I/1;8GR\$8TQ M;N0=S,T = FQ(I1"->
UI&S7N_+H#ZSZ)6KZ!M">KB(&G+IA)AF#\$DV;2-7S' AQF4KN/XP_2ERF+R/C;_UAN]P&IQ_RIZ
MM:CY_.,\$H+3<5_4/^\RV9HF Q"FU 2M"YV6\OCM&<^O<IC+?"(\$)&P!#)+(
MA8>GNR/ &1B5YI/C8IDTG!^#-)8BV;YM9P/OXKA%(7#1C\$2Y/GW\$CL_7^@I
MP5!_76@VT(M"WSQ>!/G!8/H(-.8^U!;H!&GU_L6O_KCY_P&XOK_PG1C M2GA-IV M@D_YQ-D7-
C0IZ6&_%IL>%RHGB*8,MOOPDIQ9C8O"K@TS.)AHH9# M*!X4IA;--<(^+4))_5J%?
G3JE9C!%E&MJI(M^IPZ2WL%7XV@M6%'3Y7=M|= M?J;,%>9>A_!UAYIHU<1<'"D/180KP-
'X(6!9(5AX08ED*0IG^%K%H_%M|= _9O>5FCIDF:"SHIJ;F*.A.T-1"*S/F!4D.KA%,P]SMN
MP:CPN;2Q.IAX&%&JU=A3O^/?<'6.2QVPV/Q1*OO1?_(G"!NES#Y.@H"O?H=W?+9=JZO5HY-09V*
MTH"NQ/@B05?*:=-7<@-6<@'4DMKVWV"HBEB*B*2N>!W=B,? 1 5!-Q%?+PS-
M^X=Z/JAIX!YB6,&ZBR>MQV2#_PGV"!9>*!;ERE C"N=JH MD!K@V.+70M/ND& MMV9>F37W0<"!
!PJB]HSYSG=J1L+@A%S;W;I#RZ)JO(:I%OPLQX_7B*N@(\$ML)D+\$(ZRIW]?@N=AU\$BX@%@UV
M%^I=FIG@.2S:0GNI2-9PJUIA1@YV\$) Z'XC5)KB4(?('G"9/)H1S1H6F.#X-OBS2CT:F)MF
M^D)!ZIN"UB-;#L"U(.X-PU8)>ID*=FB\$MBE4*O=+0H@UTVETX&DLM;M9Z1A:)2Z%('D)66?#;*)
O;0Q,QS7V?N\$YW.!)R1W#^V>!" M!(' _TE\CVIJ XYM/+VT^]#:5WY(
<>>26>P*Q7T!\$MOOVYNJ7&D""5 M_SY^AJP?"-F_3?3GP4H1!906KZF?
D!OW<)>8V@/3XMTGZX=E,3I4&_B M/ PM6Z%T\U;CE\19=:8XGV;2M7I:F1D8O!1+9B"?
Y>%^>JK;7:T_V%HKK3#: M.+?LED5DB5U@ML1F),CZH&R)"LPDE8Z^@2UQXX9_!;
"9XMF=C"""/P#0L.\$+@QG_!NT9 M SI;'N3TW^&U8\$Y\0RJ)7)2B18PTAWP&(<>3(PFQO;?P0,7;:
IXLBECGH_8 M@<.H*!(\$IMB \$0^J\$#&M(AH3)T>1L1-JS#)B=L@F@"U^V\$1IM55)_#WU#'->
M"/U_&8?:TH!'=,K*%,#5L&-3544SGM*2TS0DE9F"K@!C<:!!H13<6ND%89;
MZ;02R.*LIK3C\$@#"#\$+4HK1R!D4K*>+5,BI:E5KQ*j;X\2=AY1B:/"-.!#SB M!ZL!Q.MQ#TJNA1::I=
(46FBD+;00VCI:5_F"A%R+P; M1#;/J.;AZJCLRI"WT7DD_"(A0I-73JLS-T99H7BT3?!Z;A!5>UV36IV
MTL94J;U;LIG.);*J&F:END)FS_7U9U/RNTDIQ3I4XU6X60NVY1;FW)\$7;NF MJDH>@8HGCD
T\$D4@QAI%I>O5UC/48Z9J).LR[B@Q9VUML+OC.^).IS:%<<\$ M*R=J\X_SB@VO<+VC%"#;
(>ORR&=HU#***JC19I&/ K.KYU@/UA**BJI^)/5 M_Z'3V6_B;#4_H5V;
(>/A3&D"NK;+;2*BW7\$;Q99/C!IQD"A0>=4E724A)*^2 M\$))720C)H
I Z*@DA>=69Y3_Q?;%31/L'7'!4"R@#Q>+"YPU<4)WEVK8F'M_O M;%P,E0TNW*
I46LR)\$9)/"0Z4#XUU.HDIJE>4+7TEKHME2D-I'RID#'FZZU5%
MR9Q7DE.)E#WMT:'VTZ5.E5:G6O5#Z911Z6C55B.:PWFV*B75H+QJT#B4&K0K
M':7;KN=53E*J@52#_ZK!+C\IC9PP2KU1QV(GFI*G).X+@_6)P#GB;F/PN9^
M9/Y@PZO_L>.Q7!#C^P.I:'5AX=D.N#R!;4QHZ\$[KW]HH8"LT6KVC:*XAA= M D-8(L9T!
M.'A4I1D*V'R;#PF8!"G53KMHM1GSQ-V\$BJMA)OFFI!"^W/6\$A:." MAU 1(YRSA@L)VX.L81-
CY9&%K.WVQ)R"1=K>8V#RI*F>=!"C\$R]A!\$)7? M>4
!\$77)/M;!UJ_YH4XK&NIDGH^2J;*R:L*#;'\$2:7EU;(M406LE7JHM45ZEN>ZIKXCI,1HY)*2*/51ZJ/4QT
2JR)A MV7HD%10T?GKJER_2HT^Z@ECPH/MU/ZPBK%81K5N9*.;%2R^,C>54>QT>K
M!=^WEK\I>N6E1EM4E^FDJKS4-FKM>OQ7.Y5=@B]I,Z7R.EL;9LLM#/=A=5Y;
MFMN%ZUI^A1/7=2-!; KO"AOPJU.5_0L=%0%G-DVYYE>TQ85_O:A398?/9D
MBW)DYG5'3X47;)K;K,C=UN=ZURQ87?YIOO% MRS_#NY/-=NW0;(>QI+5-
>SH46JU1KZ_.*ZO();-679V;6PQF-V#_D::IL* MQ?O=I^O6N5A*&NO5_?%XXY?Z-IIE>JP>AUV\$4?
V;6P.QFDED#@:_I_NAGT7 MM=(Q&QJ.PKEOU%T60_8+?6*_1_;<I<;D/W/J>;S!KH;+?+*NN\$J/NNB&
<-C M05VW;\$;Z,M9&0F:GK'+#1I)-1Y73%90_Y3@*T!*/7ODO5&'K4M#H 1%#4VW MIV#WPLT;F=1P
5LK5,\$S3?*(PA3;Q+,_7B#=#;:>I?&37LN;0^X6U70XJ>6*O M)GMS5P,B\BS:NZV(OF-*2]\$.L^I[ADB
'B4Y)^/(N5TL_:(8\$|3(KI=)Y)D?K M-W<-XZZHNOZRR'5S_++UKL<+>HJ2["RFV*<+FB>*B.;1L
B6TR5*E>"+E/IO M/ADZ+TEH!BTCW_3^"U0/JQ5CIX55\A%62C2\^#_P46N8??B8&]>P0-(?W
MU66;V(!FWE^&7%1!ZIJZRR;(&I.+MEHJ19BP\$^VYI+=/WQ:MUF@M2#IKZ.G MX"G?4);1@MY@MI
I 9KC,6IBL>LADZ96.IV9;-;Z&%WS09QIC*M8>&H3!>3C M*T7A-IQ.U+I,X)7I-
W2'KZ9K.^_MD?"C'7A;.@/@/UNL2)NR%#MZQ05.X M6K#;1L.&"X9HJ)6_\$A#I"Z&I?%-17IY"
M^RZ^?_M!Z!F%!C&XW6FGA"A?.<@7QPJHZ#J/?K^@((6GM-)V_TW<6E1IAR
M@ITGIX"9S=)YW=.)*/1P7HOK/809U..A.LY&'!1.SI@Q:F+63LH#7X:7->WHVG^IO>^7<:9S*^D-
@J0WVXL?UB MZNN!GKL*L2OQA=C571JIZO*T3E8T7-5A+S=57>#S)C#O>NAIR9C07"!8>%I MA-
85(&X/IA?>|"UB;MI96WRY5[N.LY7!;5YHfV9A'+F3E/S MMJ-YEZOB:F@UIF/?KXY>:+@IIT4?

!%>&+A+QRWP0#(H>\$O35G!=JF?_E"@'(M6=29AP<.O&!9-0
4^7,Z/FW=9Q7O\;4(ZBQAH.LOJB)&|"KR2B=S,!VP"#ZCCOB!2Q584>>6@!MLX20@I
^G24LYEC_P!OWV.3\U+!HLI_="C15&7W5HJ;"R1'AD#DYMX-5I
M'7V"EO!+&WYOW?N?!W=^(WO\K8OE@PX62S6#,U*)\H"\"S-.5ZD;KAVUX5CI M)(;YN=@V;'@S!@-'?
!U0>3K"ZGDIS7X_B;BWW%;H'*W)A^6ZV(7@&KBR M?
MV\^C6#K<[=#I7Z=X*B45X2G\|WN'1TC"|SJYD>RB!SHYG|/KN/W/3>=" "
MO+!\$7.X#/,Z|WI@Z;)&F^^(PIKS>NRZXGC=TAIM|2_6.UUVCTE&C>ZL+U?6P MGC(Q^1.).^.;2.+!>
7Y0|WQS390(GAT0>O0N8-OR0R@11T0/>DSBXW00?.M9"+8D-ZI
I+3.1K%|H(+O:BBPQ&%Y"9/%;!A^C/H9N"F_+NFFXZ(.W3;G1
MB0JGS=0H:1|5LK;7N1>N8O=#JE4|TU\$7T(CS2-4+*.*2>0^H6-M'<4=_6@..-|5M4;%,S-
"Z5A%T*!KH_-P\$((!^P;H/WP03C--D6I2;.W#M5Q04 M/GI"X7Z7P9JPP3NC#BS7A^8+M_->N-+N8I.?
#!T0+SQDX#"^Y L9>[#,4WO(M"%C^X14C|YIJS ?B77_8;XSOX/(^1)P|CAXT_/WKLW)XXD_<)?
1<'NGNV) MP#2Z@WL.\$6ZW>|>|>Y^VYXSL7|MR%_8S6")E83=WD_9E9)(")\$25_(">J)
MJK%|F9>7UV1H+@^2N\VF*XI/EGOT?O32+.B^VY#KZ_"|XP'C\$
M|P&S=!#X;=R2R)QIEK#!,+L"+CQ\B X'#><4Z\$^>^PH'#_P&'D!)8%-M%#:G M,=R?
0|K(BD,M1E,7AH";#FO_+.0@_3XDP3AK@@GH3F!2S8UQ>||@('\$-X(MHJ(KS2F9G^@(0?
X#B5SX\$|T=0'TU!BN5|L"XCS#^+((,S0G0_9VZD|E7%9 M|R&=2L<49T@GM3/2>ND3S;[2:0=)=
B=4LO>*M*HJLYJ*K+)^,2RQ07"XA M'25F#>)&'S|!"RZ|TEE3BX\$9#&N 90#DQ,%4"?D>,DS\,GH5
MJ>2!-T6?7W+W(\$:/9QZLTU%@_4_H/Z+\$|EPJ_.K"|H^BS"XF(!RZX!\$6H \$
M0YG)O)EX'+B:SPF\#+Z);YQ;H2T,7AJ*I0"]=B|\$1 V=PU|P@*P%#H2=1!@BL M/X%
(P'^@2(^M)>B3%CO/+ #2D/-L_<(%FP%RAL%D3VE^_9|B_1\$KFY(U"(O!3
M_MH#"%=@"@1\$|X3^A#\$13RC|J9UVND19CAJU|4|XBJ,FA3RH=-.H8X='8>(>#
MZ8MOSEB;Z9!"E#";5H0|+CC|N\$NC)BAW+N^"PZIWA.I_!|J.#8)^" M_3R,"&&+%FY'D4|'-
C/Z35CR5X)Q13ZSKK!3@43?XU_A(8B4 ?@EG#D7=RU M,EB
07P'+>|PH9N;7CET,UKWXXK#_0J04.X*\$VM;&W_^Q|<'E:>|82T /6I MWE4Y3&"H9I0(#*V^**U4;F|A8.
|V;@!7OD^"3:TET3(;KIDNYY?LTJ.8!/O%Q M|H|_C*TH"<(K,0"
(R2!)>GD1<_J>=0^<(9+O|_KLVBL*BDNJM|3A_K6%)>R MKQKT!EKV\$WEORK^N|J03;L28Q)B.-
";|5\$)87O97_YN3I&+4^LQ+G)7&NIH4 M-D|MGA6+LCO,O :EH4=R)X|S?3;9::SMXH::H(;IP#I QB
8>"V)R)?4>?"7S M.9)<+|@_!,G|B;GGX|FTD95Y+.10E.87V556|H3J,&J\$&+30/^NM(\$FEN
M^V\$NY03^|NS)?,B1V&4*2E>A3)M*W.5-<7VE*O2A@6MO3|GFS7IAHIG1YT
M1HJ|=^6YO19\$O@_)?Q7;J*Y#P/\$=+.X6L;)|L_.R\$P|;\$ZQE;9@AE-BAD/Q M JC.6;C7L6JA)K8"@?
X30"!1,4N|H N=T;JGE?H2^"_ 1A|_XKJD*|,T % M54C'VG=FFB6\$+M0\$Q+29&P|/%#FZD(H5G/?
N/;81K#<6S >8|\$_D1QZ(_7=E(I_+/#433Q5WK|T!567W&H &),MB|VH^? Z%GKS=
M:PAZCIY&RG&DS3D\$3SQXUH30=-GQ_#_B5EDNQT3RYJ"3AWX!8VO=CDF&OVL M^C
G:SMO.5PJ;K.|XZ7"-FO(674|3M'4W'+P' H|.9NL@4X)(6E:"1:|AHT) M3?F:V)I.3_5MZ;=\$5-E;|H(
0|H^|DL!GY;)|F|S-2>^_,H B_(:U1<^S^BVT M!-BJ:MB\$.1-9>1#7%T|!#K4Q@U+ #I&J#+|^I^+,QF;
<%/+|H8;M^M/|1|D!5;D|> "&'46K28/%V*!:)G*\$2/_%M.YO9%_2|JR MLU6
DMPT*!4<1;-2=|B#+Q|YXJ|FW'46SF765VA=E-)*%J4L:<9)%N50@7LF M|A)?
AS/(!EQ#AD)7\$C3GBU"+G"69;JP-S_&|R528|TLHF*8G(D>M6Y?2?>2 MV.UNR6-
5&YHE)'CYG'FYDF^JB)GYN*9,M3/2Y33G5G9-"853-M*IJUS X9S M6<;VF|&EV+
(YI5/*%A5L*I@U0+??5VZLHZZLF'DM=D00"QX6?!R95VYAC"N
M|JHQM|T\$/P7GD^@J<%3|>9I^OD3=3=ZGVAO MQ/X=;X66Z#
(4+HN!8=U(7OHG=|D!&KOO^_"W9FRB<9G_ |B/4(DUH&^8^D MR@8?J5N=C#;.<&T9N6+_G7G16O-
7Z|U'DL=|_-E. M|'93@<^7F'QAJZSIM+;9.UO-L#|81<(EX)AX>|<,QVK,6*29AZS_%WNJ\$VU@_M:E-
E|#C55'UJF?I T:P^*,^699#A?X"%:7,M|"IRC5*#UG6Q1ER:FAT(JE"
MUA2FO|S|_N7FX4'Z=G7|KZOOGZ2;NX>;|I^~WH|?2=?_UV=?=OZ>KNDW3_MV|?
|VT^W5|H0;^Y/?|)W;L#ZC|_4AE)>WZ"SF8Y8|N;2_R|(?60K^O7ZB=5;_SR56PNJQE=E|
|T9;R.OL2MJE @_" M(V|VM"TL=IQ^)|M)T.0<26.PH\$).3>L7^KV1N@|RW5GU)\VB)#UCK0T7T*@K(
M+NTZ"YB&3|C3*=PO;|50.AY|DF|3*4J|V"#I3GG=O*VEC#7PM_#Q3&QB1 MJK7;'
ZV3SP6R(|=BD\$G|)>HE>@;|/9LUMT,^,|HSZ"<1G,"Z5*|!#16K-4
MT|EH\$E'CR_3+0R3UU<2V|26ZB09>#F6W4>-B3/V)E<6* <@|8&"_1L ;&P M4:Q/@'LE!+! ?M94-
NU7_?M4(T40*&MD"0'D<00|3|^QH?|ET;9Z^@TZS4%/
M4Q4NS00E84|U|CRZ%Q8TJ&E(5Y)AJ;XDOT=006)0I5U|OJ_@^AN#*_)X|:XE
MC0B!\$EWQ|EO1O!'+\$WUHJNM#PXE*C;6!92L\$M"Q_:(VJ2*KAN6?J)%C M..P=+6J36-@|&2#DTU#
|ADJ%YO&"1S4/S.O 4J3"@VQ3|(*<|Z|84&HZ#N& M-
)QU\$,X9A=GLD662WL_OX,4/KV3^0GZ%K|RR'2Y85%W?NZ1ZIO43U;|RY8,A
M:EL=B#G^#90KPVMEFOU@@_4"|I?Z%(6_JR#?%#6^#XG\F4=()O:'G=&05SJ\$ M\$/JEH#|000^
T/_L+KTLY|Q|&3OI#XA|*L@?RB\$_B&1#_=F(A|D)8OVF?T M(AE7|T?Q2|
X)V_&NXOB42+AKBG2+Z=P|E#MC#3CU*M6|)MJE_1HJ8@Z74|QK)|T/\$|D)07@|D6#CS"Y
M<&9/5XI6I8#|.NK|MB|Q5INX,\$|'#23;P;1APBD?9;8@EU'BR:=U2,PU1L3< M.M|TQ|_|X-KI>>|!?
G;Y"J"&.JG)|SU+98\$&*).?E!.E(PLP)?P*F67CN MDP?#HW%F2!IK/;9>&9!(Z0
#&'IQ1J>;9;V2V\$LS+"M/8>1D5U6+J5J.32? M+=O|?|9|23|9_GCN^DM8@XR@&.PVDQ(?0ST=%
(OD^@+0Q+9M=UJ255N5MXH*|('\$E\$|3.H4|)ABW M@QE,"U@I'<6AA'9_7OM3Y@4"E?
H%CO_8X^\$TN^1!*^\$!*&FL*+;>+B MV;J8"!_0(?
VO("A\$F|O:+XHF8P,GWC)8U@)=="0|I|Z1>;>)8WGKWQG&B# M@/BPSIC#;#J?@I*Q) V*M_^|)+\$M
|^G\$VFYP\$WF\$3|Y0C=6W#R63NR"|2R6 M@=^3OFY>DF);\$K|Q|2H\$&^
)TORE^,9L\$"%|U|C'FY+Y8|!|_ |DJ.1@)? M|AT3L8,E| *R^<%RS3-@B_C(YA@%W_-X649P|T<&|H|D?

A\ANNK,5F/[K+B M""K2U3IM.&)3F[/#/C^?P'GMJT] ^ ^M/H6E+, (BR&R^"R. ^;N*PYPCB-G4V^K
M:8+%;!#|V8P BH?DN^+,7 AG.")POL+\$B7G=TK\$F M.&XR8:)QC!::< 4QC-
#K0GF@6>K,32|>+KMH<(3*B|1O9!,7E.T?J|1A!3 MR20F4LNWXMH/>+=WB::;(T1F<#O*7D"3ZR%
0,AF|'LHZ)F0CM^8N6-^#L\$W78?G^A(! M85GMSEH7|%=J'=T@8".R@|F6O65CL;*/@/|\$#
MQGG7F!IND\$O4F!(UIAI7;DG4F*JEQA0U2F3:*M2"%+%M96 BJTOH9G8F7|8| M:6B)F7QUOI/QTO-
>?QH^79N@1AL(-6.|"FZ&=,<)GHJHWRZ|(A/UR|9|L7* M/EZM5+WPV#-!FT9L!|1S'9I9&%GOB&6?
5/K4CC5A%+6GRCJ7_"FS9YC93^2| M*?^ZKF|W.HDQ-7=,
T5MW)B:2*>6CVE0%04R?,"|U/7U+MV3SUM7LFD@BI1 MBGR:T|K.|:Z07IO=" +5-
U%!+4\$/P1P%-8*7TI%K9@C)|.1V5LV+CCK2;^B' MX550KJ#8(|W;+U-K-
PQ5^XDJ%FZ@J)0243ARKVF">.'I9.,T.,|R-Z3YFR
MBJ:L390MHTK62KS3HEPB#Z9>DK46R!A>8;R|OAJ>%/O
M.J/C@5;B7!|:.#^/(GIYEDOT(/,HMEPD2L7S|7|^)"HFE#="|'"()<@ER-8-< MQ|?
QFGI7IHIBM*N|S|7ESZ2; R|M%VM.8^ PW.W6>2%^0&,:+W=BN U"5&8X
M|7RCGF^7P!|D\$N02Y&H(N8Z RS?U+DX&\$EJUR*0AJXU61/!ETH30W*V4R:3* MG%M:WM!?:X|
CXHC=0!&|@6"*\$V*#@FK;U78#M3.;|IO20TD 7P!_" #U M0^P&FM@-!%.<\$%,8/'<#O?F|P?
\$=,TV|BU,WJE-Q&/T*TWZ+2N1.85KY@::B M097>-
|ELGL6=|6202"-9Z1KJL"\$=JGCZZ062|'Y.^PJ^:IC)30T3*&HDB@|@ M|H|L-R^D5-
1)&|NY^TZJXV%+M:JY'\$Q %8 DF V9'<-4Q% *F50-K=65=^ M8P.TBHV MU2@ZA.=+YN?Y\$BAJ)
(IV=Q55W=344|C4CF^C: ^I=9Q9LC@EOP9MD MK /<=K(=EG6?G+H8.83C36ZCXTV@*
(:BW3U5%5"D"Q2U&T6|^S\$RT&)T1H.! M \$HK@:*|FR(#**8 2FN!<@A/A-S&!#2|HC6%*#Z>B
(4#06*VHVBW;T0::0H MZ&A0FOW-)9"R*U)XY@0!|J|E.:R)IZUYG%_7UV/?BG(SVZ(N1ONX@XA-|)
M\$3ZDEJ.(9|J1@FZB?K.=1 (INR)E=S=!!E(T0(K 22MOPC-E!4 '\$D452&DE
M4G@: ^Q5#2)2VXH2GK1| -OKN?1860&DD4'.W|6< 92 \$2DMQHC*LOR8#Z\$9# M|I%.:X1JZEW';I-
S<1^B=X=ON("|/|TJ&'N2+SS-9@1#QCB,9!.,EYZ=F"3 ME>F-ZX",GEYB1!|HE5A@HDN/S*W ?B\$?
L\$W2A4J?WB2MY1-|06?T3OYIO6Y M9Q'LERGZ#E&|3VUC|3Z|HAB*#|S%H_++@A\$H:B2*=O=@9*!%
75=\$T|D)5|X M.BE450"EM4 Y1"J#*E(96HZB0Z0RJ"*5H>4HXNG= \$B.E+T=ZP(HC00*3_<& MH*
|I0#F^U: ^I=W\$*|6MT?-|G>.R%&O4DV_ \$#;RGZ4(KG^3Q_ \$EN#Z#0HR"7(M=6KD.KYNT-
2|"G26XP|0W"7N.L>|SJSF3Y0W1"Z,9Y;S1.@I&X^_HO;/_MO#
M(;+C59\$=WVX4:3SCZ0"2(V6X=QU>@91&(N40X4>:"#J|.8IX9L<#)(6|:2U2 M#|S\$DK:6QQ:1 40Q%/./:
)CS1 !2.U\$RB\$ "D#01@-1R%/,%H09(-E|>'_|: MUM2|A'E=W"7N:N!="/,MRR<.&&|
M|B|!9LT"G&"S8C8|6)-C/6QR+ #:S;8, _=T9K: _QJ8|3AM>P>T.7@P>GZG() M=A/LUA AVXUDJ2,=20?
K> _=X\$/PE^:M#J_ '3P5j' ^>.U*"|K>3R\$=CM^,|& MIMYUZ/*H? *5FAL31@5GM)
O2*#BN" T88EL0G%" MG%&0|3#MF""4& _S3 7Y""Q%";&:Y3L\$9K>4,HR" |:=(M :.(I+V;OPOT
M" _37C_Z" I!|^ ^X+1QK*J@C/:ROD%*3K5|P5#;OZ^<'Q'3E/OXEFOZ00<3)P; M(F00HXVE%XL:(G#
<3OE5#="X"U,G&PDHE> ^*L/_^H_*L(" +@TBRX'\$Z1Y^<. M%E|J))3X:
|ZZD#SMA4M|05|R|YL/R@SJOXH(!+L^!R ML! X@Y|32T"ID5#B'C-
F#)LO>8Y056OJ76<63OXUF!\$/&"#*B1-=3|=Y!@ZF M)IM|D)*.6@Q%WA-;\$?
H0!+*|%R,'77%"T)6PXE|N|NJ0JYTU:P""REP&QC MHF 4@Q*W&/P35W(G:."Y6#1%&8:4YD\$E-
90.KD'4YAFT^7.|8UH3;U+= \$45 M=XF|&GC7&79%G>?7|RZ:=5BTD4TB|VZCJ.W.C4
MTH6*6JQR5*NY>|WYK6BS MVRD(GA8|S:..ZP|G&PQ?.#AWZ!|)* A6|&V%#K'|N(|OU "P=."IP5/|IRN
MMOI>|)%#7BSX5O!MS7Q|L RZ ??<7<'3@J<%3U?OL|O#7HP-"?N*="* M#O-|DZ9-
O'JPL/H|!POV'FLI.%AP|(ES:/=LAH%^L-WVX%QZ?=[4^ ^B80#O M PN6|A|! UDM+5LC>.?
<6OCD,OKC0_0*VZ\$8I@|H>+;.)|N)UAMS| #:6B"XA M^_G#JST)9I=#O==7A@C|, PA_#|5>X|3|S/N#
|H#?O9/ 5|Q+1 T!T^((+W\$V! MMLDM|H^E'|C3-W.)=B;\$"2XO|":>N|FP: #-1<#-
Y)|4B6R0YU/7#1PW(\$S8 M.Q?R\$'4X=NV|2Q<^"!7|H^_OK|V?CQZY|K/:U7^GWUO0<_OX_N/<9|J"-
+UZL>PYKMP%Z*(7/FOFL|T^ A:)>.G1:4|ZM8.9+8|PV>EEYP!_2E M8&8%DK58>.X/V#N!
(E/8'=F/O=4>%Z-8!(QP5|Q:/L.4QI2HN"/:SM*BFW6X MB-'QH7,-FOX B4RN@M5EI5_K-
,HK9V|/+Z%OO+0#^-RX!+A0FV#3?B#C MF6/_=QF+J"KFH|*)|IA(T6A.=V.F?VWY,^GFOTL;0(-
|3"7+F4BWS@OO-|:7 M5(I(<6 EDH|N84:D: <9OOPFS=SY!! /KP?>6+B^?A=Z1DV_C<)EN!/\$DA3
M4-S@VB;G+#S@#0|&AT#V:5@38" |W"O_R%B|M@H9SGH9F*Y|3'1"YO#V-3@_ ^%-
X:O=1R#M"|5T:&>Q M#.|1KN4 S|I2!>+ PW>X_|5^DJOEB|6CX,%A@:@:|BKKU|,|BX0U|+^26:
M+/MPC,ZT' "I9^JYS_@X4-IS'RFM@99O|4&'GYI8@=7%(2(=I#\$H6Q;|+;7
MM1Q*G=5'(TI0TYZ^"A|#F7H1N|1^O@<|)9%P\$KC\$>3^C;6'OH MQHA1BA-
P*OE3=:E>9'MXGTA<5\$#&F;LD6#IP8A?X;0\$EZ09F6!-WY!#(ZD) M|6(C.V;DWP5^;&@I_0-^4G'
6L(2^J|2|0K^W@,\$B|S'YR=B' ?|B ME)2;0CUE/&=?C?: ML:@:XM_ ^PEV):Q0@X8-VR)Z)
(<\$ZW!,BW0%|,V.(K'8E-&HJ_0^?;0?DK0W+ M'L-NE_XH?Z|OMH!>JOY D1<^CXN%6PQL?
G|'45.N.|DM4KO\90%C>%|5@@" MK5,2-4|):_O4"6N36ZICQQ2ZM*H3*FN1 MYA87*#*8".C*|4 Y2'=
|1T4)C!"WP;R6%XDL*C@QE>A<(A^@Y<^,|GCD6?8 M)I@_#4(5IQL*0-#%44#@,&!
|JL3%X)LLP#|/,@4.)1&5_6\$V=(M:8)_>60Z M9S2"O8D|X5!|H#E7^/EISU":E^QDA>-+!
(89R'S5CD'HP67P*W_YW?WW:#N_! M85OQ!;,FR)143_-(N"IX?ZB@18-(+C%>"4=,9^\$ ^
GN'^C2L.%T7JC@_PTED MI6@^@CB?X1*FA/D579:OX!|!)!Z3Z*K|)A?=*C/9|3O=Z9-' +1CBJ#\$>|)
QHI_)?Q2MG)@/4'65_4F5YOV\$@S+H24VM" MLFOH.*&6&KCATB-
Sj@J&_I+02QAI'M2"^NM'K\$<0WLL@_Y&8>C0F*!>/I G! M?S<(%OOOS%O;f) (Q:-
'K#|OK" F,|M*:OUIO/EK0XTHAZ'_AVTT%/E|B|H7* M'|1:V^R90@H@1A,+KAJ(% ^+A73 LO!?
|*E.M(&I397:XU13|:EE MZ@_%L_|H4|:W|_8GO7N.O)T_)3%SEN|)\$J VET3M;E*AY|SGM(O MM;
|5K:*P4W%D>EH%7=8G9^>-\$#)G+|%|QO4DB8M:4&+0/-6"(9V85J06W\$XC
MVQD<7(+XUE|V.IN.Q'@PKK+^83:U^>6|H M3FOVZOI 7.F?#4"(%(_;=F4T|

MRQO/WK@: @1(V\$=5HD#4XM IEF=4NCWIV^0S'=>H2"!<H0M.5V..F>ZZ;N\$ M-
1XSBZE'QL1^";T(T<6%I;RBJQ?%:M9\$3D:*&J8NP4>|D 2QN_J)MDS,M)F MN|RRER9*\$1WBX%
(.O@|8'LB|_,S&VHF=8|=G-K-LGD-S):%L|T8?G1:8>00Z(0,Q#RC;,+W5 M;7"/S4QV:L;|S#G.\$A|5,I-
:=Q 8_:PR Z|'BOUN"|=.)BA-WDB/:%K"QBS MD@Z@FP5I8(QD|RM7|^>7_.NWU4?_
=_|XOHEE8%8LNPWQFI>:K 52V"UUZXB"PZPFK|S01;*_L;@86ZGMMZOOQ(\$6N
M'#@DS:_H)E^=.G#8TOL'6/1&31K.BDH!|U/7#*_Y#P./P4-:@.AWP|@F?^T!
M9W(|YDBYC3P.J|B8+A4064I3|f#0-^+JQ/'3^'^Q4+Z9>/1\$'!*,Y;(S9BI:T
M7:>*)KO:0|B\$LSQFBL.*IPU_-:"77L2W|7CD0LHB>./@HXRGTLS M
E.SBEPYX^7SDEE1I>6">?|C|YAN"1.J?J;5S8*DC|V0_QL=|#<K M245,D(%SO3,:9|SDXWR=T(-KQE?
V#|N9O8\$|+Y+^@ZC.XH1<.*^_ILD# #6J M|92D\$14Q.=H(RGX*9U-(VZH"Q@3"#XJT"Y@8'(I=4-
CFR2KY>-)HFB21%3: M(S)2FL?JLQDT|52 9Z0U|:XP%K0Y(61_JVGXXOH(3&-5T6"TI%7#PI-|)QB
MT^_^-_3ZTY>4 +23!8CY=63J E>YFWF.2;.:L5|HZ?O7W|O MK.4WBLDY&MA69@3X#F-
Q0H.FPE|7'EE8;Z%5@UT"+0D=^("WT*9!)BL+X9S M=|C?<7+ DC#I"1Q/QFQP>-#("I@.|NS-
8FL\$O"-+I,%6R#;C_&\$ \$PL !:GC M/1\$6W#|VGQ54(\$Y+@HNC6|7).82>W%0PRZ%9=R2WHE1-
3W@ 2KD>9|S=T M.WV%|:/1O=2^6UW2HK6Z0-+NHK|6-&R|SY#T,>K'5: #QX|@.|Z*Z#L54'1
M1/&38=#':/10=8O)#/C3 @|%:'R%/%1&J.L|N6%/VU1L.W;5N|6@S/L;1AY MY;)Z(?UW:7F@.R&IU
(E7Z:L-BL>XJ2@9NX PF|ESX15F4W|HSNC86ZZ|TIZ M (/#OK-
*A.#Y_+M6OH_UO/B@W1UBU%L&'\$'?(.36FU^|^XT>+7;)+6=DI2;|!#A_.NZL;.#%/
+71P+|CR.VQ=%+AVI!" M|\$I02B9A7"2+>'R|O.&\$S|54W;">W;1'!E36D/5(P.|H|B%|=+2+*|K?|1
MUXANUQH34_9ZH8Y\$=\$|C0ID\$=\$| M>T7O5)C|><:I>3:3^1HIT9<+*I1ZPH\$C.TK#-0'N#)CW-
W_&=,8|A(I(+: M^&8"^L4"192W!"F0:<_)99 G")ZCFX6OS_JJLKMP;\$+"=#)_O|S|S'D)ZX+
MI2A4O+:S;F|_|(9#DG7Z?XX=AWKYS)ZJN@D. W8U_|#D(4%FUNTP6@ C\$+ M
|KF8F=PR4F<%|JXWT|HKD9.586\$V9ZF\$;+M2(|H@9>|24P|DSZ=0|>@ 2VC MUV>:1I4B-
*K2&OH.EQHMPYXRJ%;M)?^ZKO*I&W/@,? \$L>51R?HB<)|J?.A X M.%T<*(-
""#2R;%=3|RKH*K91W2VM.Q^F(-
^@2+FD.T)VX;O5K#""^12GE>XT2Y;9:A4UU!+4\$/Q1P|^IBG"%U1Z;|=JKUP^XS+:@3MVV GO|*L4S
MFTW.?WBN|_|Z+T?K0|Z#|QVL|_|^X+C:#|Z1 4Y|DCGLGJH?N>KA:I=EW M|^! OI.CX+|BY!
2Y>2(>@ "A36L+)|H.?ZQIZEWG9.Z69%U3V+.MTX4 MKYOL6%VY>?
=X3\$BZ>7>C6P1LN@TNRPCMHHHD7;90G_CS7#?:?IM,@ -4&.6?0LZBM MO8?P?
8(W@76HO06DX3N=7D
M=D&1L!WDMM%|N7U|8U93|^+D^SH5(|NOJ7Y|N29:I1H1,N7@J0N+@H)K1<*B
M:A(Y=AM0NH8ZW%>8; %I'=MR&6=).^&TF|;4P.7A*6W;N=35)\$=!U4+>DF,@
M)\$>KX510L(XWG+"^?="#0U#4UB'Q+|4*;@**BFQEEPR/U3\$|S'/W4V M|2Y.(2>-
/@(_T+;*FWWC=SH&A|O'2'<2@E34-^0MX210<*H747+JS1>U>!6 M);S|J;M?
8|XBB CD='4SKV^)^P*8+|5^*<142DSM&=Y754QD)R^FCG|;|^I=YY!@>I4N=KA9
M@G*OG%.NE1OJR@ILPN.DH/7A(GN-|B3V*F.G^G1W35NKVS|F+?
%L%1D/C'0T52Y.XHK|UT,^*D18)%3?"I52U2E,|C(M:"&N1&,(445<)=U(A=.,?
UD("MSHPX+,5BY;HP;X\$;FL9XF?>O=&/=&B!%QD|CP+V7TH8%
<>03SDT1XK0.Q'445^&QD:M8465_6XA MWEDAC^&'L_CF|H_R.3B?
+1S.Z\$JKY)0SPVN8IMO#/3WV>95Y<2%|? \$M)\$V|
MZ|PB/K*+7\$F6;|G%LE,R*2OL)JT"F2;N\$KY009UTVZK|R=0BR1YSH%MMB"1
MZ@+.)%^NQ_3GBD4'5)46Z5\$U7KY&?NM|)(^2X'3|Z2VS.ZH:OSB|D^=OGE|7 MD!5"5AQ5*|V:06?
+=O:K121|C.M0-;WML6|2\$X77#ZX2PY|I3_1.G:POY
MA4L+1A>+AC|1+P5)C=O15NX7OP.A"0Y34ERP,/H/TJP_&|4V|BWJ1W@>(-M*?C?B?
TRBF|PMWP&^(|A/%Z.EGRWNRG6AM|^X15)-(%)|^QQO!*WZ8<;WD\$^=RW>AD
MDO):!0K^MJOX|!D|!C.U7N2DI?T:A+" Y0N_3UX|(|L60|L%^%C:";98 M>.X/8'#0*0I2 +I!46!-
(^|CT-?L|0H 81S)W1&0%C|+9SG6T^Z|:'D M 36 *&.7?00(U5#P)OQ@-|OWMI&"+;U:B>\$
J?l:21QNUZO6I6=OZ2"C,5<7 M>AC^EEOL +WAW|U*XZ|(|^0V^ UC*|2"@9/5Z?;^ MR1/B-
7^Z,0^\$B&3| M_A)P_A_2"2@B5^#?AO&2!_4N|XK7??DZP2/ F?@MMATFEFHV*"E'0&-L|
M28X;2(|_90N8"ERU<["X\$OHV|X%|N45B.'N8N<#I I^9+H\$KB6|U=9,Y79" M;?*Y*F|O_>NYY?
QVU".3CV_7|2NQ|*:_QI*AD|PT0>|B#| T|2=S|W76)%LNDQE MMU.|DV1
'KI9K|0PIDP|F>;6PB>7T1|?HHW>=NADZ4,?DA_\$+VPH4O2#|I.Z^;Y2V7=89E)C@OO%8:8U*#6KA!
(F1;(^ M.M0-7|H'EU"@SJOJ1?57T|0@490#>;+, ML(4L<^M(H0+N5UG4AM@Q3GB K>@8|PF.0:
B@|C%8Y6%)S@XT|P1RQ.UV7;+ M#|D>^_KZ|:R-05|AEH_6|D=B(1*_ \$KG))HFY@W1
!)_YPBOD6,J"D<4DD MY02E? L1K!6|P_9|HEO|&^D#07N0"J_TF8 MIX&P:6WX01:>_<()1(|S-"T" ^,," ^
MD9S"@5)'O.5Y-KR#V.PK0<)>KYP&3_BE9V+Y2X_@8Y(UA_\$ZU"/7DW|_B'O M:S UY*8)?
F<;FS2=7_CRR<;'7V>\$SO6-/CDA|'J;W|\$"@Y;7P"!AC=AH1% M>DG6!\$%#1S3UW&?>?
825IN3\$90\$RC>'P_43|WFZ>I8|ZQZRXR*"F5L%.,Q M/H+NV|7R4Z|J#|8+*O|QFJ&2#UT?
%NP*3\$;LI?_O \$IW"8|;\$Z#3)X*, FR" MVT9TZKJB\$|S<)|LS:.)#.|)-V#@'0AP6|K7L.OVJ0 /;4?
6B(=,%TXLA"89 M)P!;<3*J@,H9E%QO,<:5'!(F59.|GKT|4) *51|J7.)DT_O|S9Z9#@Z@0< M=D9:49"
(2P6+3^+|L4FF>-A%D\$6P#7(|P8AWH9=9#7JH33Z<"< MR6 'AKQ
SE544YPGOHH56VW>78J"K*W|H#_88(7 M,%C>0Y(|_CS6(8VX
6/V;XM|=TS(QA.&R;JXU%XRY4#9^DY3@V='E^G M,>VM.OFQVHI1)+-8H-FQ4|35:QD)|Y1QG;8C|U#
|L>ZVADI&3WB|MF0AX<< M/|IRM31^)|5|;;>;VD=IO<0.IOG^8|;&C=8E<+,">UQDBI-
N^_RHJ(&2'+=4L MB\$BMBR0&.:Z%FEME5C|3|:F'5:ATK\$!<&#(H:&A+Z
MZT>L1QC5.LA_)!4'!0GRQ/X|I9Q2T_DXA&\$R)|7%GI'+ZWYJ_7F MHX4S:E>QG>CMI@*?
+S'Y0BOF=%K;|)DF.<%MAR+ADJ|@>!<,QVK,6*29A^+@ M+_94)|K U*;*X'&JJ?

K4,O6!HEG|OJE;ED&&_P\$136/5\$?T8TLV,L-:(BR'I
M0#/-1691F/YR\N7FX<'Z=O5];^NOG^2;NX>;KY_^WY|?R-=?_WUV|7=OZ6K MNT_2_6!?
|V\W5Y|O|VY/_U)W|D|ID*X22*WF=F109>*B;MWUTRBDRI M(?)6\$KPO7RALTZ/7@6KR VHG|RE|(&
"Q<9#>=%7)3("H8F5MC#/C\$Z\$&?MRH M;AT_);:'1JG;U".E' TL4M/<_<1RTV&U|@/V-
>8;1X3|V\$2\$B@<'G'&^!NS MMDL>)&).YTM.(F\$H1KAAV|N37|. #?/1WNV@NH&?
67H^E5F8002X|&&/LL2 M7%A>\$W@V?Z?
\$LP5=B)Z,H95@7<^O24/\$4L*DS6JV>O5Z|;RXJ">;Q:WH2B M&/46^#\$Y5/_56K
H+3TID>"I">>\$EX\$0,S*!28^)%^!Q;9,LFV^#|W3Q*8OF M3L+A\$=8>AM2-K *4PG#D9^I0-
)F_@QKS^\$>H+|GTL^YTZH/RPXR,+.KP<2/M+N<-MSESEA'O&@-EE2 M1|+BXX1'&<BT1"?0N=-
@L/9->8#FC3MS"-/%UT^+;UB"^P-Z8N35P8*F:) MS:P7I-;4.Z%>+ #XD|B PRS,Z%X8=/9L4
E%\$7|)%#EIL?00TAO?Q,2T'"<%C M%:X98B|S99C;M)X|)9 ?YH=.Y^YK>6I\$/W%(>M#Z5)J-
1&UB&;+5Z MQ 5MFQS-\$JTC85_BU9-ZTJ=,5ESY"l|<>L1/ M,@9+ND|!#<4)S)5.)B-DB
+DH|MGR9PA@(&5HYGMCY<^|MPC 0PE<3F.4A3|_ *L
MY#A:4(F2@^6F\$=S*D&_Q\$.82P4;O8,IFM2\$28<%9(&993NB-V:-@_F.@VFK MJ_4*=T,F6Z-
M;FVJKPM)DCNL&M\$W^A>QA=|WP5L YZN,G1Q\$E,=P4DSVEF M.L <'P%<1Y('DS/=1Z 4VU|!(W
+;.T3W5K7|P+ @ (2V_JUY(AFF)|N+6 |MOU1DNP|LA53%9

11.8V#;Z1(\$BN23)'S^;/U!37N11H(,7ZT<.,8, M^3B-<%!60!EJ'?@PA4^X'M".[K8]>0PCHCO5!;Z/4: ^N?
V,Q,M,|&L^S! MP\$Z: ^'SZZYL;+PA6.\$G9/K \$HY<=;C8+|*1,Z*Z*8C5< 'QGC.J1S0NPV*3 MU^B+JY?
BA7 >^)+PR=5^0+| #|2,84S3"1?W3! "X7|*GAU07A092D"9Q)1 M/>E7RX=_XM;"9OWDD9|K;D?
1|_&+ #J01* @*03Q6W10QW6(YOW+S#Z
M)W9_&E(TL,=Z@N_3^<0\$SWH|1PF*CLNX\$\$21%>-.K\$|BX^C|;|PPF"?BX%?A
MUK@4VI1!H.X0C9H>6*#XZ#9Q6TJ63.\$|/MNW >6H9M)R LF|PG(F<1#CBK!- M
18.Z8.4Q",#"MD8Z>S,=4OI=GX?Z><^G0;U)D?NSAK@W:LD^M|8T|>U| MYA '5'W#7^&\$-
M'U8B*H8%2X'0'?YYK2HS/DO'K;7J;DINYS/\$%DK;RN! --M/|ES_T;|%<)&)\$#LP|1C.YB.&)3YR5A;R_MI
+;2U1M=M&>=!!RIT1|"4L.W|: M\$1J-6((AASMF6O->LTC|R,\$T"(8F9CIZH@%|!,1F\$G
RH%#=#;|W<7WR;&|W M)/@2?2|;^+VK2"3M7E7,4#HC):|Q|>XE:@KK+M8|+9HXEU=|236OH+"T4|)-
M^(Q;|:"B6|;X3IF7\$A1C&&WH M.45;' ^Q^6%TIL-CA'QZ;D*@<#M7"X>D75AF-
&3"PJ|F^WU+Y(4&_4RG,>/9 M2JG"\$P|
|C*Y.YZ#YO<#Y'NZ\$YU|H/A;84Y/ZP7;.0IPV|0RG#\$>;%|!.W\$ MGE!C\$100!G76)ZV5L;SS-
I"4;JD%\$|X<9|L'X.(?U"K6,M99JDY|!?'7V^ M2G@('W^O|F+L!!|S"K#0N-C9+;HH2&OS
6Y6^1)I(RVU6#|S188EUE_B(<#| M.NAWF9XZ68|9>25N@66F-!CR H|5P*VV2|L;Y=%
|%;YO;838F/TE.S-9|9 MY(4Q_MH!\$2.*|7VX|?O%XPRP#E,(T^/MP;+31?+N;6.-P-I?NOG|_#HN-)
MA3XC_7,Y?V/46X5;?KA_%\$6.3X3ZW&UVG9>W#DU"l|06VBX_|F)&)VJN MB(T=M 4T
H=V9:6|TE7ZZ#%^89_!T=O/-9@"0|_M"!T=K.|.51 BRLM|#D MZ-
"8Z(61@RD=9<^G@E_P)\$6AT%?;.. "H@0\$VJ/E1H+!|A'JE,#U#0\DK*2T MQXZ?
L/2O|G*,QZN7|;VE^&5F&F^ MRRB.BT\$|G)>A;9N,+6JR06QZJ-TNMWC#Q^%|\$.M*
N^%7D|4;G|LB..3T\$= M!6 4G #;|3H(8MN001HEK6%)K;:T'L^JUBG;NS9_JDIFA#2V/&C8M%D84B
MUC 9;ZB*6\$,1;CTL#L1;UA7K*&:'6NH;8TU3,N^IF*!6|!N C<@APW;M"QKB0J.R;-C|@8BK
ML@=S8D7Q9QD|_4|)JMT 1ANPFU\$Z;_!|S0VA;Y*|Z%CZ|7""""T@KQZVJ M7_"U#_
V(;O^#IZX3LK_O^933DJCHU=RVYC Z>W?H'A;-YW;3D?R0T=\$LDP MRV;N!(C3>+G Y#*
(TUK6:6U3/6/*H<5,4.\$1"P|M&\$82=;X@S++Z0K)2S^+!
MNDV+S|9S'=X;ZVH5JISC1\$P8S:*GT3<^65@L&A9N"CX11KXZT?278)%XB>;%|CJ8+|4+|C)D??"D*|
(MW/X%-_?2L>^L H/! M&)T_V9I%'4686=3WE|BH&Q8&J@P\$|"FR0A;#S#SFQ6/FG!
<%N892S^NY%,T M^LFINL\$6IV+XJ2K98L.8B,-.2|V|/S*%>4I8/%0L_0'8A6DCD|VFW-J(W"
M27HX,"ZY|2X*^.# MQ<(62G'|\$*M (+\$^-^TT|@#?
Q>I0"8M/PN*3&3F^#O5/_DPWC2R*"VWYTZ4S#@71RGQBL_T4!%?L:M*9D|/O%II V;
80A'='^.;X4Q5AZ* MQW|;3@ZADBP6G-J6|OBZF9%0+O>|M2|!%|O*88?>HA1G);-D-@V(">?88X@J
M'U&5D_# #HG(I%Z>SCKIKWVD(7AIZS3Q&-. \$*&XSE2(\$1IAF5|.N61"IL2C M<0?
P.=@&&+|L8%SKJ*LS/&KLD T3|P15/RX(-|#QY|Y5|;2;Z|2(44T5J@.< M-@MLL;|IC\$&RG-
1)SBCPD(5B_00-) XG3\$6(H;T(@|H8K=?'<#*^5S#BC.F
M75^NEZT559L<-0MY|JFMM9/"::Z&(&)MHA<0"XG*WC*-%XLMHQ(EK0J)1>
M&N6%GJSS|EMIPF|E_%9-=^\$(OU5=?BLMVV^E-|@'M7O_*O!%=O6+\$H?E/5JR MWH|A+UO.R=?
I^NNOCH|ZJY7|.ETM;Y3;L\$HR.C2;O;TJ453XI/|EHVUU9? M9|.+;U|B>
|%C031NA>M&3QF;7|JDFKV|7*T%;/YU=;!O&9/>T|RFC1|\$8A|KTC2^)|A|;A.E&%8E# #;Q4V7R?
>D\$#F1_W6N& MC<9TM5)TY5N8|5"6+U9/SI0|(Z6K| LY)>7V68^(W4JOR^XFEKA0%\$S15J8H
MW0!OE1 >3R>G|41)!F&=7/Y'/#>3-Q3Z)J7^RXHH52C1;9IZ'&");J9X9#A0<.Y.|(|ZPX8<(7AF<
H8R5P" MZC)0H|QLV|*S+0L,US"S#(PHW9&NA SK8L.C;%7 ZTS4IMBX!*PX0H;;M%* M&;#1.R-%%
|!|VP.%<(S.#JC05?1A)|31A@I70>,E!CHN11!&;B!DNH2_9
MF!G@>4H3F&DC9K@%2&3@9@C*L2I@TT;8U!@U..S#M44V!18PZ.&L3!0DHR
M<9>XZU3O.H.HF3L22+?."_\$#K @N0F>\$PUY02U!+4\$M02SPOGA>A.R)TAN/! M^5"A.T.Y.Y*
|PX'1D(TL+|PA5%-H3_#I3-26U1+1\$|F#9F;(F>&F>D">= M*R%38^3,4(|2?@A6PF;&B-GACK-IBG.
0\$;KK Y5.3,T*"JL2FD3QMAI-84 M.3,T0346\$<*MA\$Q-@3/#
;C&X@#>2LC4&#UCKJHFT";0ED!;|9ZM;|B)/_>.H) 6|O0 M5I^97^VCF;^_ =X;L0%R|!\$%>?
AT#MZSQ74,\$VMJ%MOJ<(6L_V|D9>|>X M\$(!K%^|J=*(6+1)>|*(XY1O<&0G"WWAI1W Q|8E@/(IYG
!95WZE""Z_!(Z M76Y+.%U*4*K*|C6;O?;(EBKCV16D%*04I!2D%*0)""EW?;D8G;C
MSOFM&01HX|GL4)\$ZLMP9Z5U=X>7L;';3?|MA5%.XC;SPB,@6D&DB9&J*F9&Q M,KQ

3/L14V/D778GP1JVHB:0T6@R\$9G9'3_0N_!@U M\$9Z36\$D,H:1\+/K"!@T"C(UQ8+
(@Z(5RBY0\$RC\$%C/(<Y)&E*-C4 M&)6A8%1&4U2:=L1=;%WVK\&,>/'D5E'3,1_W.JN\,W".":BBIU,
[<<+%J/T_M#D[M'V1R\3_BN9E84M"7/5!DY8/
4Q00Q,7B70%/JL!3J_ %4HSU!@)/K<93C89T92@TZI:BAIL=O;PD4OM-
DT1G\$&&>KB#IN(&H(ED;7QTJ M-EVEL>F&*6X.U0T?LJC=X?<(O>%P!L:P#-FN+^59YQ_P)L+0%;
M31D#*L>, 8&UEF"M1A>)BBX2<585@\$L KL8L!8UGEL(IE(ZDWS5[HGYBCI;J
MSJQP+=@<+E68^,1=/L!):CWVXZBFT>NO1Z1:/R2-?"AWDX8Y(V9W:/(*R!:<4J
MK3GO:17"/,UAU^CO!; 1!"S86;!SWFZ\7^1<_DG8!(Q466C2@G<%H:&NZ6C
M\$"OR+NWJNG=DCN!=P;N"=W-X=I!?.?V4_"P,QJ*4I!@7!&^M;'O?B&Q6IE7 M/W=&BMR.I9?
&E;T/+/@@_.\$?AE%T/L;/@,YQJ.?X6(TB6?>+[*=*RX;.\$5 M')R:Y*L_EGY@3HIX8T7N5^1#K-
*N=,IJ%,:YN:[4VF]U)FMARDA"/:0XR M!DNV)A+&AL^;/X2!;NC_,'SH6A9X[PR2/1
M^Y,,,^F;6Y3"JTQ275]_P'YI \$>^#AWQW_&)(!")SM+,GD*H@NX@L)R*<% MO!
(F1E8RLO+G(WEGD_POR%ECDCP"6R'69-1#GMD3D%\$*P_\$GOA!D J&P@ (MT@IQ 20/\$EA: ^B2ZN
F8%:7SX,*^Y94 ^BQ?FL)M[H M_F9)LJ7_'N11^"Z?+ MIK%>BXM,2B@72F?
+4W+V4S)I^EO2Z'D"E8KKU<,"M@=*BX5/+J_/DQL?S&W MWBYMA\H(^M""I 3'+VOL#?2#I.IZ^#
M\$%350>9/_9Z<>3WO5<,>:BJ5WI1_75>SOU%I3)HBB#&=R=KE@KRG&\$V;G:SV
M=&4[XQ5D\$VPIR30&R4JXQP+S,QC05'W;^,TIW7EXQ[X=1RXCI_!JG)74QJ*
MEICF&:VB8JYM"SNVK6_>G&+M>PR/>U;0XXB1JXVY;*VZFTFVQD)AC:NZ#OI
M)\\$%E6DFB+8+T>R?&(/I7^D=_CE09/F#H.5.M'P11*M,M%(T.ZDIE=ZO2BIV
M24W^W4M\$&#M.>VM8VZX&:8%;4:~?K8=ROC;UIS"!H5&-\$VN<I; M4VEKL#I7;
<9HH97LUT@I7/!=?PJZUJV)N!Q@J&+@OE9R%'H_"2!87[XV)F M3R;\$N:0!5&A7Y\$!&D:WHE*U2-
P&A8J7I\$IE6/\$F1'N77?E:2O?1..M5R#?5 MA^FE6V<17R)IX)!_SP)6'IQ??:
3A71BAN8Y#S0P*QI87PV%#FK\$=(U#<\$N3 MYE8CMZR5R: ^/,%\$;U_K@?B?TG.N+7_&SHI5FA?
J:6P'+OA%I N+XL^\$O'&V M!P'W-L(H4QM3YPS.R-9Y55I43"!8(&,\$&1>I3)"(,.,BK^O>1^* DF@-W
MP7NYC5*K_4XN%8!EV%VP>Q5VSZ_4PBROI#1TQ;)+U!(A4PH,.R.35P6FFAN, MM,EF:/03-
L/Y.O=UN^&P/>QHERI4E-SM->I\$8\$&IO@P*M:(J&<I?A15T?5HLOP!WXF0/7.2#&;A_&6Y.4*IEJNX?'-
P^Q=^<OTE%'Z8IQ M!:IY:[\$BAZ%'I2P'M""I6VIX9+6C0)PK!LO_2U9*BD,VNNO'I\$>?7>^#/(?
M2<5Y':E&FXQMCD.B,A+&_COSUD:Y(A>/'K'^O+"F,-I+;_YJO?F(K'C)*N)
MWFXI\D2DR\LSC>=UC9!IG<0,*YD7I)*ZOA73 BN&_V%.=:-3 MFRJ#QZFFZE/+U
>*9O7HIF9!AG^Q^R,:-\$T+ ARC1<5A*T-N)E2VCN%? M\$ P344>4IC^W!C77_H=O5W;^E
MHHM/TOUO'^IO/HU>?;^IN3_I2=^Y;PL<).%658!UM)I!=8A;EWUVY8T.VG
M+;,:0:G!4+/5T,#B!;VTK(%5:84TKP^V%KQPV/;-O5BX=I,:;:I27T9? MY5:@HJ;MI0?TTTQ)K%V%
<>4=UWIF2J_(G1\Z"2K/5/>_JIS2DLXT1SHS")T M:E82PH8F+RNT_"[5U84HJE?
H57T/ZMI"Q3ELNTZ?1^&@U3O.G+;+66I) M%/::@6:"+L03526\$Y7E3J6R7)O*V8@;:"TL=R,*
(G)BQILN!9@\$WAH!^3% MWM7T68E2;:4)FRC5=EJT%*7:ZJ,MAU)M+=_3A4P3%=TR7*?
M\$0&BHEOXT:SL M3\$-4=!,)V;)^!(INAMD9:8;6D/QL4;Y< LO;KGF7M'-(B*;H)?VLHOV5FH
M0I\$!"BW\$>X5*KJ9_'G(MK+PEG:IV1VM>;5'5#5(5IQAIJ
M100UUY)PYJ!-&P26!9;WQ7).23C3\$+)5X'XVD)N23C3W,%0)@ J+J_\$:M< M23AS #M-
I:HYOIGSQ.L'2>XLFUQH5O@->IZP;.&Q &9>="Z>_1E%W!IE+Z!L'B MAOWIU!7WHI';Y5O:?
W2K^000?@Y_?IO<>82Y+L9D^G)3&^DP7+;!A90Q MI+/2>.6ITL+UL85*XQM<7&
(ZL+R!\#0C6;3&#CX"CR_(F!H@/;)P/0I25A!
M!0_G84669YCLVH!H%A8I1840NY(#_X+73&*!DROK#IZS OSF'#Z.)0I1N'39
M5IO2\$W%P=/.WKIOK\I77/A#_IR?6V_8*M;=WGR/-UNOF-2I6SX_\$N_KI&/X MID_6F_
LUT/M9)PHI@G@DK!%H+YWE!RLP\$9!U)?IZ:_\$WZ&^1TIN&K1I(W MV)G%+RZ*;F=NB!%

4P;N4& MXEQ,7%K!%U^T5S0Q1\$DMER)GQF53OH,>^A M"/0XLVJPWJ:6E"D7SX8#LA#
_MXDU>:*WXIG9+*+^A4Q_WWFZA4.U MMZ3EF!>%G.&V*"GS&_\$HO9PQN7(FZ\OA#O?%';-X,#RC/<
(/L!=I9IQX@TZ M\$@&+O P!^U)9^<:V%D*EZ+U3)V_RE6R:/W#;+V;>U@R?0*"SBZL%2G10OYP
M&7;+I?)YR:KZ2X^6;IY9H+S9-6T4<_8PG))!A>\$JS@\$PS^E7B8!0:_SN?N
MJW!IE:PP+F>2I_#FB'Z_UV<6I2KV"!566AIP*<6K!>0AOYK%?.IRBT%5&)36 MW_IQDH%:!96!6I4X?
6UYWANJHLRF&JE-N F)&)9'>^E=S&WAM/UXMI*R;7(
M7M,2=U6);JM2N*!5RM)+K%0J=CFL.=B<_5W""I+^4V6YN4.WI43;:U)MK)>)
MA_)I*KWP*//2HAHQI3+Y F8"9@>_65>@80V^%M8;-02@ M7IU2IE>[ZJ86C4EY6#P80:P5U0%E@-
B9Y6J=-M.'VW&5%?ONPZ!'G>U;1^RO*.;IF>0JH8)938I9JO%*Q>\$9)%MF>=#+LBP(S
M@DE.B\$D*>G7YO<;IVQ1RR??"+L?S-90^Z,I(K-Y@57"*YHX:_Q M,U=4V\$B4IFTDE8I
<4_I)W7D^N(Z3^Q!_2&/J0+F56;:-H!FF)I_-X8*,=0 M%E5N/I!-[5MBON?*I4M"B9IQ-4.CI8
7HYH""813#+ MT7>40^B0NU;_\$"PC6.88+%_V>^%IE3_Z(UG?NY09)_I(2*QIGP@HWCF^XK
MS;A0%OE\$Z>3?.E?C,-"53+X&_)ASHQ'9L3Q&?7<9_+%I?V(A).HAXQI%A MY/OGN?L:#8S%9>T_0+
\$E//OQ#3#S""ZX<\$AWDRWDO?LM?QXJM0_BE0E/H_-M,=O)7JT^C5C&.#<+!(RNU9F!8*2K-
490H"26TK06V(\$EHAGJ+TAWRIQJ5_MR1I^2D4_IQ;A\$S/IQ+IK.NIH5PM##%;IF8-
J8=0'B.CE.2AUH\$;U%"M M+3&@3I9@U!LJ)6+D=0S(%1:M05*E#X(D0NY/L8MMB;A1XC%\$
MPG/(*EOD>TQ%YEV3_?R?Y^1-9_8>I:~H#4<:*!SP3T;I^9-JI
MAIV1F:YY(OPH30"58)@5PZ0B<8I\$,#"9SD@VT_4F!;HN'3^('DH>ETM!9DIHRIE0C0Z:<
M;:XS5=Q^S,9L/TIGI"FMR+EI.<*J_6QP_'&I-79\$Z_+313G;R3RADU%GM8T
MY!5H"9\$;&@9*H%Z*G>=0YC_AMGWCF MH%5X!#?;IY83V%D_?VY:=WG;KJB@
MMME*RV!0Z6BWG?5NO3/-_I@J5*!F'NIX6!G_5?O,U@_?HD\$2Y2MQ?"HYADB,7M'E+V/<3%?& M-
\$N+OIC"8,2J9F_-S!17..M_-#BS=S(#VRIY6/#%I\ZA[Y]&_%L!>ZE@ MYJ&U3N*47)I6.\$ZD%6('6?

RBM5AXI[@_ZX/R-3^,MZ(@=6F"OEYY'G/%;IO_J MP?T8.TZ3R:>E!WBY@X_(RJ_PM9F?"6!9\$PS2KND4-
:SH?,TDSW,HH!.\$2(AB?MJ(W>)4L@?2'K/J_-M)5-L0R[MKQ^Q'H\$GET'^^(UGIH,?@_EDQ-
L@3^~^|LU5YW83V1BT>0F'I>6%,8 MI:4U?|7>?)08' |Z?:J^~W_>E/FE7&!EF::>U:H(F
MK3NF2>^NF40CDY^RV'E#Y\$5B7>G+L(E4V\KHP5|XZ4=P.?&)237S:H^P%KW MDV+|Y#
7.-4++48R>/FW'&2)-NQN,-Z%+%!1+ONK;/Z|N-5F%1NP!@0J:XY/):R\$9-/ %L4\$J_M_4Y.=|QL1."MKS-
|&HF;X4DU1&OF|(WZ#@FL=@+QP7MG:#E@G|1E>E*>(3 ML\$RRZN-
76%AB*W^>1%D) ==@S!D,NQ1(&/44W&E95HIECDN5J:SJM,?\$JOL%S
M|3B.R=" +WG2*D7::PZ|2|YU\$LOG6.B7,:%4BU*XU:|>U L_-)+>RN!57:N,"M MZ)4;SNT-
D)KKQ(NYTL2K5,FJK7 :?S|J:J-|VQ|)G-R MS)AU&K|@,:;%%VQ=/FZ+J!&A1#-OV*)UP>_2KQYBIG9:
M|I|*NCS3;ODMY5?G2/E5@K_-A:~XYH\$D4L|N7,==\$(RJ<9Z8Z?V&^8@S64SK
MC&1YG_)G@K4\$:S5KYOLE7/#:NS#!?-B555Y)YH+!!(U9.9!4YKVV+RPR5,_MG8%P?IO7&7#/"?
\$C_R?_3<@S\$:05<;IBM/G&R5\$|&A0&U::)LDT"=|@F M|ICVD>X%V) "-+
TU>RLNXXK#:82H)1MG89@:MIN4:+_)S%)QL>9W1R@6%W.(
MY*DGQZH#M_0&LH!Y:N.QO.""OWVGZENID-RPO_T(&.74?762';|=9C|K1.EJ3S:Q:Z(BD-
5(9*4*B|.62!I* MI+2ZU"3TG.!!>5M#B::?EN/6Z,+B&+:!Q!;F+:C+7M^VH#>MPQ%/,YI EC%,
MM0WDO2T8F8=H_9XV@*>@)6!|8LD48JG=R"IH^>_6!IDG|!%>\$X?/&;_6_X'
MA9_S02"KB08^LW|PYX/:SSY.BPBOK1%>|IE%>&%|<_D+A#UW1|M18,QD|W2"YP-J%?,CA>
Z\$615%%P|.L!SP!A6_M5|'V25_7^&JDY-JC|3L'5.F=D3H0HJN=T"J(:@96@9J|^F^ATV"5N/|
<1DS#6WG_W%Z&PFQ_/_GXJ_M+CH2N>C&A2XZH247VKPS>Y/>N<&:P;_|D+TSFI?
>D:|*))/*+|!2G,D:B::4 M&9P|VC)0-5BT:0)MK4::7)_V>5BTB<(3)X>V:B=XN6PJ93UZL-\$9
MI2V1#4FN%*#:580UR8>BB2(5)X>VBB*L;"Y!|2(O2E-%6\$G>(_/MFDT^NR>_M^"B'9'QA_|B8V9,)
<2XI1(:%|^C|S0?Q>Y12MRCEKA'BOHZ)Y/N5K@N_S|E MK5C:6Z65ZUO>MM9,/\$G3;)%?
3>*7MMFN"X"LK^4(C<6-3GFP@H^%7S:2CZM MN*FFXF.X;JH8DE-
+Z|%B5Q7<*KBU^JY:.B"W"HI.>>9I"T85C"H852X=4U2!_M48U^9S0PTV4ZVL"H#?\$MO_L(L_|
|I1^&46\$OEL^P|*,V;|QH6UG26L4C'Z& MV^CRV%.=:+_V4V7P.-54?6J9^D#1K|?U"W+(_/_R::
|=E|I:EP%,^6|V0| MT2H,(GA%:3|("DF_ECZ@3U|JQW_YB;^%<3_G1L0AC19NY1^3H|F_YR&NZ/
MP22;|=??F1|!CSX|P=_QF#MLQ8""A+)E=!=!'?1(1%O"NP%N2SNBCZWGN
M*Q983J|.B'|*XHV5BGWH(N=3Z.IHZL+0-U|:7QNO%U4K9;*E|Y9;PAFR7(F
MTOW,|8*+|^(|2W\$*,E"L>\$%G"W)Y/YZ1R7).W"E|*[X4UQ<^<|WT/(\$W^J MT-R=?
G&=I^CG|QQ+ULHKFTN7;&<"W|U4M)ZIPW9^| TB105%C.H^ MI7J_5'|<4;V+M2+G2Y2A4C
CTI@135HPJF%ERCG0C3TV_9/_9Z<>3WO5;+<M,^1JK|J_KJO9'Q&#JG-0BK;U5051_8UP_@^*|EC*
(|F:W#H^)U8)/Z&|)56T M#"TM/NDQ2|OB-6G:5SY*O:_CP'TD'J.!*G<39#B;-1YN+G%:|3^Y|57ZBE:F
M(DF9"6<&KK64:|YLD!%1)S\$:K*RXS|_>N|'7Y>|C|HRC+U6IDB|(W>S:_9_M?Z?
_O.)+*QB4|40HP6|QE,0/L|6D%~B/W<527'NW_M|4(^(/0NU%Z&|>|/1|@F^H#-Z)_4--'L\$K??-
D|1UA3:X_\$|LS&3:\$AXI-Y M1|IR^6+B!A?A2S+|/VIGI':QMYAQ2+UZ_@((M5^)-
YV\$*E97I1(1PA5A\$@|_M0.5@!9D+)889K3,R>T83\$'.<?)@;|U*H0H:W5H87Q*QRD>%Z9Z1U^XK2!(X4
M,KP&&:|SE^&\$8*:W=X|66V3X*9Q|RY|W.=GXHUM:RXMK_7Q2I1I:A,'945;
M*0452|8D^X84RY2Q9F=D9_0=;^67>@1I27G9ID7-%HL;ZYJ2BXE0DLH"\$K/F
M>Q4+X)V|^!2(VR9&4I5HJHN1(8@14XB19HD1N3XQ8O91SY+/3(P^H=G\$>/C96|B2V4J/\$5CHCO;=W
MG0J"SMB|3+<0=,?&2IZ@4VL4=|JH|*_LY,D)5LIZDAC=92684TIUP:2=Z;
M:|QJQ0N=>*^*WYT:#9C|_Q26(FH=8Y890>721U7|HZ^O MK|T?
C|Z|YWI/|Y5^7WWOP<_OHWN/,9KB!-LU,?)<3*2_5C.!)#7&_>0J&%,FIN=D=S+M,P
_LN|XR?)|=VS3GN>O=C#+2YVG)'287?'* UHBW2?+?#81C^@123?)/_MVH%_-Y*2L705:W|1Y*Q-
90VZ:CQ53+|WY+U#4*N|*?L1Z|VY=|_B.IK(8C
ME3N0%7,CR#WVWYFWWKf>R,6C1ZP_+ZPIC/,2FK|::S|*K;B0_@D5OMT\$OB@S_M^<*B&|_L;-
GTA\$P|7H4"9=+\$)0>"_|_V6K,6*29AWS|E^+J, ""M\$'_LM_U MB@_'&
|M;_&T55=BR/M^>7F|RIW#P_2MZOK?UUI_R3=W#WWWZZO?I^>W_-^I-F_|I_Q:6DR@.5FYIM!|8\$
M#:#|F^_"|45,MG_|%);:9>Z_M,*G,35&MI-VE&FJO5G*.N>WG6|VDC;5LAN2M'Z\$J?|?7NWBQT?
M\$J9)HY8BFN7(4M\$Z6=AD)'X*_6R-":MD4|WA-.R.Y*ZBIR,-5T:&8&U_A7/W
MPO+PDB6|9|A3JTKE:*+\$W&|O/L=+L'8G|BG|.8\$706WH>4W.XYHT.^,AL/>_M<@.)?H;EB*Y)XN
X'BH!1JGP&W6XRRM^?Q_@EG|:GGC&3S|BN7&7H%+_M1RSX|8U8WH:H&2A|18YO\$M-
L=G.R1H%S+7E>6|_AAV%\$S#)\$S\$|/%7@_@8X*_M@C6:-+=JK)'J&|0K:VSON#U0N77IZ6F&'54YZVD
|O)YFUJ*G_MZ4Q/T|_|P'G|:7GCYJ6GT:(56GHE|O0TLVX|H5S3%?;GR'T5&Y-R9=6*#" +U MY42P5-
CKB),F,"F"7 "DK#85-8\$4BVL_5K-(MD)P;-RT@M ?TT|*3DQ:0.VY>6@_K8EE2"|
5U^&D|P|Y(Z<+,#Z@%J#5H_7J?V0+Z9GU:0-ZX^6@!_M>E^F!;MRO0(6H#6_"W@7,YOE;AQ/RU_|U-
;P""P=Q5|80MH))8*ZLOPT@+T MOK %G+X6<* 83KU/:0'Z0;6_.F(XI3|:_@:|J"V&|<
M!"W@7,YO!POXU/O4%J"9%2MN""UO_B6#I,|&">E_8_DY?"|@Y0C_#|J0*T4 MP++|XS(8|)0/1N6
/&FOA85KB|MKB6U-6&R MJ5%N|;|RGK3CMG"7L,72'M%_V< QL!-<&^U7MADCJ6-
|1REF8\$%LR(8M4J!_M1_4?AZ.!7E\$;XVP"JB,H5)>WJ;@Y(TG2E==(E#_|=9#N:U&#-I8|!TZ:C|*+
MFEMO^*RNT!XW2CIP)D|;^<25"RFB@W*J&+_M_|O|RU4QMC3PFQ6H|_LWD_5_M-
5MN";M8""|2;8,K_18|KC4FH\$K8O|HJ6|K.T;_96-"K@K%2P%:|OS\$|,_M=CAM*SD::CK.-A4V;R1UA
'KRB_LWU)6VPKS97=5M_+(R4NUV46-K3=.65=|_MH35Z*2M;5;9Z?
S)%5BJK;9V0T4DH|KB972P"UNDT|SAN)5LM(#*);J>FT
M|EHTN9KCNM5=5.0|PO(:T^#\$W9CG8@|Y4+2P.FQ:G)_PK/\$%TB%3&+0^360<
M"KO;R6IZAXH|U|9YE3)'5BER"O,:DT\$;"):WD,8M=L=7||%T'*@_M<'#-%!:=@/ID#DJVB|OAQ0&O1-
1|SBF%FA54PLTCJD%.IPXL@H:'E!5JR6B
M7|AZ\$JK)VOJM6<6J#OH@+7G%J@HVD91,>).E?/Q9"R5V)!_MAN32LR67L+JU

2RKZ;6\$^N[1&S5D@)AL,0#LU1@/.JJD3*|+%(1'5U+9>@G%0C8QL'!.53"5 M)H%%6-
HJZUV'2E4PJZ8JZ(=*53!SB[H>4&>K)57!W""02JAE5<&,4A4.IK/5 MG*Q@|J(.UYRL8
Y09U/+.T:3.IO6!)WM3*PCU<3NGM81D_:Q:(YU1%C: ^&*) M6^Y+"2P-
^LW" TJ\$M;:4J=&8F&'XAKW,2!-(WF(OE3:0;E-\$@A7TB7?D^"2X^MP@^@E.
Z2_=DO/3LP";^YDIP.T4=XWFAV%=6I'?.3.E@>KDS&LCIAD&1.APK MR49#X?.UM<
#%7%&TJ.MG!Q1Y4K=_K 7N4G1!B0=HQB|-7U)CYQ5I/IQR8# M)U;?
-I&>3#@VGZGR;"E0UP>.,@,:UAVY?2TK(0 W+N&3HSZB:9-@8(.(.&:::
M##\$LQ!2(L(+H'CI\$^1BQO76(P.%UB%IR%0;#(^@09:(#JNH0PS|J\$%I&2\L<M'>(S>?16;
<2.G1FYR|*CV_)L& 5!@SOJ\$4.E:956A VBJAYA M< SJ&E;U'QH<@JJ&<\$8UY!*^JYA%)-%"4=U-
I3'*NP7W56F&VWR%N>,K|RS< M>WQ&MLIU.:W.J"6::;B#(I'(" _J;:R2#/&WP@.IADL@:%^5PA_"Z)
(5Y#./H MTX@ZK5Q\$7:;2NO:)*ZKT:@U8Y3/'LIL^RJ+1G\G9;:C6WO\8\$R.I5?R#&U
MV3J|DD9_%VVVCN)|1K1VJS!7XW<1905N0|#!N=X;4MKLVMQ4JC+KFX=""/M
MOCM6@<*"39H5/=T:1IAJvX"- H6B"!N8R=|8.IXPQU969OFU9#6V|AS/^KC) MKR6K@P-N4V9CQ1-
E-?S7+V_VU0_E7?17L|Q5<_.Q-4!_K:BC+&U MTW#.2,PZJN08&&5Y.O(%F@R1=@_158=-L5B+ZRR
M5159<^>DY0PL5%9D=|Y+SOBXAG4J2S1B35AEW_918LN;_?95\$K?V\$=Q!ATVN-
9=A8)MAM6>DHUXK MH*4U@|CAY#:%W;8?;>) A4%>P;+&0'-P@|:FP4Z"1%V\$#UU6B*C5|882NK
MKSMMW\$ZF6K&I4;@|L|HSX4W5D6N6F<PI#|!#.|H.F|02+|U1
MVT&="21GF9H3=|ADT3FHSSNH...N>F&=B/L|_3|S#AKE,*Y&I&W+TTV#;Q MU!7M% 5:"G8E5?
9_ A\$VW\$9"8|^D06P3*V=X?H4-|T04V)T3PRI:2K=VX,T< MV+RD.OMR.AL;6#9MZ8ZNU(
M:&!C3;-7PM(>-K>|PP6^Q)E8'FU*X|:GO?QZ\$6N2*WE!*<|F'A^C8.|(C
M7%TH/^713*#@#KX0LZHW?R3):5|3Q# O"ZJB,^^(Z3P_\$>|=M?N#PH?1%X&4|5\$5(0E%L.(7
H5.1TYN|YF.Z.H)MAMFO/>K'F(-2MR1|+A#| M0Z+R\$TYZ@2O-R.0)_IK @N5VO6FG8OZN"OSEPLRE*?
%_,^93M?7- ZE!3 MB1/8SI+J?E^G|5T;E^7_X:K|@N3/Y)0AUGU..I4\$;,"90";H#4# >,NV(.SA0SD
;4)|_U(+:V&' M RUT@>OD.D+MW%TLOL|;5|DVEK8@37_@G;'KVNSXS4C>&4O-?8=5|M#(^UD
M\$FKHB>.J0(K6C"NM,J*Z?27MJ#A5K91^UZ01.\$V6OP|NK*(TA|6|)@#/\$<^;I
MOVCF CZXW(=X%F|:E"G.?N\$MT+D>C#V| TRQ2QG?G|F3U8R%C'8YD)?
GJKT;Z(TN,7GTH|C3M_S93Z>US9|A"GC#|2@R+@'- MQ&,>|Y^MQHQ%FGDH(?YB3W4"?*I-E?^?
O3=A;AM)\$D; "D+?;K0=0=&|W|_ M1="2/*T96|*3U-L|>+%;D@418Q!@(- #,007O|RL*J|PD
1\$4@(|.RT;9) M567E?0|&TTZ|_|7|W4&KHS<.:ZN|HCP?_N@GE*2HC/5SI&YV.@QU<_B-ZQ>
MF.X^PIT) \$4%6'R"U#F(BYU70M-^)|K^?OGG|N"!^UV=|Z/T=V%=GG|<'EW M>W=U?
ZF=W_RX'5W_4QM=7VCW?WR|O|JX&MU=7=X?_J&O'1|>YCMXE|0F*=>#X
MC3*C3#|!"*&|@Y&>|N&<G+SZ9->Z6'OL2AV4UGD=" _&O)\$(:U3J>#/\$%8C6)A|6T=SOXI_?EP4|V
MLK|JU)O_J5BB"6;>H*%7I?3%JMED>A^IW :WY<>W35AL5%O|9G4.7YON+SY|/^3|_UW^~7:ONN(^?
6HU&^Y,+7W^2 MOWV+L|3|WJ|W6PC3_)F+XC= PL5J?88K%\$,L+5BA!8)^2/OZZKBN|PR|C)5
MOSX6@:7+0!P%NX**PH*;G5%SO:V6QU@S|\$U6_50YHDF^UQQ;3=KE')Q^!C
MHUSF+=@\$53EK6<_'QG+14_K5%(0N_D/F=N J3YB_KWN> RP7/Z_|V_W|L3
M.*|7C#W3,'771%X|PPH7%X.5%K|'':9+\$2.9X"6M/F/F\$?;.C9|E|7R+&P-L9 MO"FY"\$
ES#*12(5|.@N&.@(12"CFU;5OC@M'\$8_MZ9C>-H"3HO2RZC1QQ/=M=?
EJ5&Z%I>|Y=J+A>O|@GNCE);5/P|YM5#::0|6J=.Z9R)RT?%4WN)S-F
M!|:|+@O0B|D2:S0_||=5R)C|5U|B>: PP9H'"S0U8)O|\$.U9?++5V4L%8\$Y= M7!Y88_S\$&B|V!'#\$(<?
1)GPR;J-F%Z@:-P69>Z:|_3SSIB%CI9RW*>O<|O MTXJZF:|I?<6AT:@WN#511'-H=^K=?
FNMYI#W5:U6?=#O%7K5ZL^|I?7J3-Y-M-9OU7G-8;2K?IEJ=|/KD*H6QE)'BE/E-
)MOWEG9J,7J*K;?9N>U7IM.C MG\$>^/S510Q)E|E;59'HTU9Z7#_18TI%!A2U#N|NX\$@S90|Z!@
M^Z3|JR*|J6O-H)'GOM0/*2-%FPM6|OIW(S7NO7>P1G2|=W.N|DO%4.YKY25#_M9G'Q^|(*YZJ|H:I*
^;_*L2E,CD4%BCTCZ_|H2+3BDS+2;:%M,1..NT#G3;2 M=>X5G59T6M'IVVC|F70Z.#GK|'?
E7RMEN=^*XKXBA3_ERPX>>9IA>A/+|7@" M,%8'13MKMFL:MC1O-Y\$Q4%1JUNO1E|VOXB|
M"GF+LNL_Y_#IA;|D^<|D'S'G<M)G^Q4|G=:UJ|BZF%X=|^,^@5^!9S?K8>6+;3(?_V(ZOC1FS10-
(WO;195.+M37R^)'P#JA++D\$;898*V_+/\$Z&ROWAX'TQL|8IV%.;K;Y@|BX/ M62+2TWYGSQ;S?
3CDY*?N&MHE7O#" -3VFS76X;?B?M|HI^22\$T@*!M'"=1U>? MIXIG6NN&|MA+1'\$">"W_%W>#
|\$+9A2=XC(8GISYSTZZM";:M4;:UL2^O9#9 M(+?
ZM2'2NXC9#5B&LG,L:SEJ2;,&X|J998*T'0@'Q,@*FY>UQY2+Y54^4?I MOHZ_>S(-A@4-
/_+,#JP#T%M'FP_V16%_"19(P#KLXY7ACP^C&AI@._>200K(Q3|_*!(3^!|EA.2*8BIX(3|4"-^,"U_&O
MBW|U07(-OUZ@IN#M%|RK!AWM#,P8?J^G/;2RIH &_MW8#YAIW%^CK5*#&B|?56D"|
(6G2@_"400(X-MGP,!.EIH^QBOT!;H|(NKC\$4_5*QK0S4+5Y72K.?)OGO;5 MP8| B!>F"Q+;
<3V4_1HJF_A:7A"WAJ=-G I>ALBM)07=IW-42:>@E/+|A>, M6C^\$U%;N !O4%UQ
D_!%OSE7@EHTTR,K6^UC0,H5A-071OEJMH|AJN;1E/< M Q+YV\$=%+3C=,#Y(\$9?#3L&>|QN)9|L-
=4_|+3XSH|Z5\$GXS%="S^G*7F>_M|XX'H=Z@T5AOQ6:)"&W)#G\$D1|;XKI<7;
|F|9JYMQ9'W;67|VS9"GRF@N) M>|!%-K>I_|4)=Z2A-BCOVY%A/"
/_>33)>H|4M@"Y=;16/D/UGJBJ%C/3T3:5 M:I>/5V^"0 %5'O|(:/_L@)LDD";<*!-!:=!X13K6_%Y 3?
Y'10X%VP2K@GT MC*02^XFNV7#_BOQ 7BV(J-P^@U'/)_/33XUH:B4&C3BCNG^=D(J3V|L58(-
M3LZZ|=;JS&.IG*",UT7=O3)A.;O8?!=|HKY|A-PE;<09@1L:<>'VP'2;HHI) MA8!)SU>H;4K8PU)O:\$|?C
%KV)3O&;\$-U-M|Z)?F.5S1.."%<|O.#ROBD MFQ;YN_TI MO*
;3V2;A|J_|#AF&=G<)"|H.H;%1<=V2HPJ.KHY1,=|EJ0JS8W6'G364L,%1)P2H2-%@I^!|!#68QPI+
|M*ZQN_WUZ&!K0'NZ;> M5H"GH-"8Y*>-^ @R-P2;FZ&2 &?XNVX';0@S>.#|@D1#_G|W\$?
X|4B^2,1" M/M9P|23S5!1S=\$/'<|@7QFZ-N'SIA'<^(_)#7N'(.SK@-|Z&^6,P;>|J\$-WM?V(KRM|4JH?
|_IX;B|/+S&?;?^ZK;VO:=7U4)R7IA_E7,/'|H|HHRZ, MEV+|K|GSDJ3X_#YMLGZ#FM9EN!7CED#*
<#68I2_Q3U=_J)M:LQS=#ME!+6X> MP3<%0=)Z0Y" F=K,|K3&0;)>7#=-W99;V0=J=M7N=4T-?

IH2U[P+?F3\$1'BP(MXLY:\$,>W"TF(Q+;A<\$)BLS\%, (FMU=01-HI^(_N<1<_E.7\$CRK)V*QW))AJ2I[#?
DMAF>*N8<-./F M8PHC[XD'41??XD@0N1P(Q("ITHQ.NS#F(QW86).X*(I)V-0B UKT&-"WA_Q
MSE!B>ES\$KA(I-9)9XU 2<6|CHD|QJF/D^~^|*/JRZLE==VH+SJRKY55_8U MC<,[ZUJ O|%)NI9SK3
PHO;"UK*HE.VOE|)|5:V;F;/0>I\$<7F|PF)CWFC0Y MM@+3X"W!U,FCK6Q0F8<[4YF|^S%
XJD<:1#OS@+I;6^!M)H| V=_)Q8(CT=* ME1(T1.TSR>G*%5,-.#.8R.[C2A0K2H5X-?P9K,&?D)
+>X%;K;>DT&%V,E8, MI>K:'|;/%.H=_ X3L:)::@%#++N);PZ_QKW4VKD>=ND+HW|VTW)-+:8*2'&WL&
M0\$<@U8*%PR,-)1E8L6 ",U36"|< (7@=L%DEFFJ?:SQX#>^R)F(=,/0)\$Q\$9-7X;T;E|P^)^
E\$&)X@JR!4+SR ML0"B>'/6UFHR-"^V)^\$D5L>/DBY63?A+X<3/F'M.#1IAVZ"P&V3JAO4@^++U
MZ6P%PORM#:58B\$XLPT7'MD&98|AW|!%_F^6;:%@? \$&4C@ @A!% "UTLZA|
MH|5AWN2M*+^YF8;AA/'\PN/H.L#).|ZJUK&*+D-4>|!E+'=5M24RT.5E2L! M&W.7P@.#E DP)@J
'P"%OQK|H922_7;SL=|:EGQ%|K|FJZ:X)5.NPW.L:;+ M'1+>?0MK/+|H<_?
9)|@R45IKO\$SYQKG\$OI|PY\$NT77.H|=B^*<_LOYQR4:/I)=DTLLYOLSTW#L/8^8K|JLIQ
M|:'|POX3.^R2LI_WW.7E%TT07G3@^|2I*F.9:1QWK%:%;+#+>RL3.* L:WOOP
MS*PG|@.6F16W7MM8FE|KM OV/-W^1O.W3!\$W^Y+.BU/ZOT-C(|V58J%5|*SY
M&X>^3^KY)XC@AV>G.-\$TX9Y| 6:|Q|Y|7/_='&8XK7 (KK(VYZ_HHLX7:!'
MJCAEM\$|FK5NYVW'G;P|B3&H).;K4<8W)W S<:|HR487H.|1@CJEU-(I^2L7VLTMAZ6 M52|146#
P9OB# TX>./^OD?MVGNI5|LA'R7**LY\$>"-I^K5=T'DJHNB.GN-#Z M|LC993<(C|UU#XZ"^>S>-
OUU+7|T.|C%&DTDP#R@# MX:S|S"GP&4S9GL@A:~P8P+#+;VJ|SV(M\$@_2)5I4ZB:-
G0:65F>MQ\$)D= MHN_2PK\$|4Q83(B.X|I%T//5?0EH#G/%H6ATE=^B_&/:T7M_N1K;3-D"KHD-I
MA43IZZ*A|<./I+<:|6&SOZM ^K"9_672_VM2|VJXB^2.#0._ M"JUN^ZA:EY.HXT@;T=VWF#N MV"/?
=|UO0-;.>@W/MV+B""S8A_\$2F|V|L<%/|;|.3.VK2UOKRIJ&N5QT\$6%%0
MF%06E*:73P\$R)BD@J(GF+LWTH1B6IYM;8?Q/^|AH")T?4IT.Y MJ-
U&>L3TOXJ22H!M%26%E#1X94K*(Q86")YV.A.I(H4RH%-*H)4.JF.ZR63
M.>V3LW;M.>B|/2%M<'G(R!|LD:VFN^I7V_WJH%,J|_F=;C+BWB:E&/#8Q\$=M
MS+"IB>;RB:5|'I^NF/+004H&Y@&9H!M&2ZQ+Z_A*|+Y+@IM_#*_RF1BCOU3|Y;ZU>K0;R<*3X)A,C'
M9J/>4MJ!0C#YP|6=8PP75YCW_H_DQRB81K5N RR4_,^NL.P8L"QEI;P9EC4!
MRS*"Q6:'0.;Y;5?|H|F+3"3=|6NK,*R,F%9;J-F_TB&DW,&91&9|R"^ O>@ MR?J#PO7>3(I
|_9;|4_V\$SPL:*MT.SNS52IW4AEQ:2?|DU6|M'MRUGK;ME@5 MWNS-
K|U%D&05001.SK;)9JPP|90<9AR|O2_0>D74%5\$7M#Q2O?1>O9RDEQU7*YP\$7Y%V1=H5:2NDG5?
K?Z|ZEQ|57+8S_MIKY6I)_=!7=;PV;HR+Z5#N"UY?G6|!VD\$E|2XNMR+IBJ0/FZ1|*;N|9&*|
MC6)|V#|@|@L|HDKVRF74S3S/K|J.(N+V^\$7&|:D2L?G4|G6RK31WT|H|Q)M|
MYG(^)WOF:F7L2YPA_X.S&5K37QP,"U|=^*# VC)&A0?/Q*W:;X1-"LVA17
M;8|K5E|YW)JOW3|RP|^!\$SC?OE57U?/NG1%*,3I)=8=|?+ _CV-84EJ?2HJ
M>6=44E"DJ<|2IX^|L%/CVNM2*4,Z%21 MBB"55|_,"IS|M2.>%B"OMY5.^2_..H=E,M7|8CW88-
V7KGC9V^8Y9BIZA;+ MB4H%U""R2O;=8 M|_
/8E+*T6*S0;+=HEM=6V3^:|0#-.ENW^:G0K)1HEK)@RB)'^Y4'N<>+.+P,@JO&D!WE1HOMJL'.@T%57
MQ8*3BI@K8JZ(>5=9=*W7+O_O6!TSX!696Z5'511?47Q%|2'%IUH5O'KEZ_K M1S-F+5T|J-).GNP|F
M<.F36)-=<;D=|'^|<#P3'_CL|M|M+FI|B|:8|I0X9B-Z1!_#H0)_|2.JEFIO
MU/ZXV6|\$.PZK_YVYP';TT>|F+O*/_V-.NZPSZ'>F
MK<%XVFEWIWJ_.VAU|\$:CW|7U'AO^;Q_S1I#*G*EVCJP'FUQ^TL|V|906^#M8 MV|K|E=
TU>2/T/3WRS^_7SX|:|>C|W^_|BZTR^N'R|O;NZO|2^W|YL?MZ/J? MVNCZ0KO_X^O|U<75Z.
|J|O|P#WWM^/_RW|&|!)Y)+2<8(\$AQV_W3UM<2M&S(S_|N'VRYJG!;?.D:@&?MP5|:WT+M^%;5
E|HZGAZB%>|.NA-52W@B_8FKYJ_5|W?RP;3JOE|U?R|5/"KFK|7S=^K
MYN|5X|0=YA&-4DI7AL.8.XMU2U(45G47K8AD#9&|63;4L'%R-MA5-E1%)!61
M|+-75|FSC(8T\$KW;2V>(-6"!D1"12JE)I56R>=WM#_GV|@P|I^K|_AY_|0Z;CV3U?1<-
WT7|HZKO^TMT@KSY?|ON7#K\$T7S;*)5_M)7@9?1K=U&RA7:|143&)C19KC=;6|L
UTK)O+|H3DN0Q;QZ)V?MK;2O"J/ MB5%OUN9NO<".@T:I\$YZ%A7K%8V>LJ;1D8UL9DIA)(SG<0
MA<\$6|!|6KO-D>@#BCU4|^_V-FMVU@O|T=M>VL/(FE9'7;A5>6<4^,4A2S3@|M_%1Y_=C(*I3|R5*
J?W<2+;_HY#OK|DI|T|L*0X?;=)6P_ZO9@*_M9S_M|*J81M4"OC2)LU4;NH34;|VE4<&F|'P<-M,U?
UE:P(NC3JP*"=JC5Y+3)N_MXEBS1MJ@K5JH5|1<4?+Q7.YV|0.FKP(<|B#RK**XBN*KRA^T\$EYFE|=
(6^V M<&9+.F&A(NF*I"N2+DS2|52|D9+)|#;U>A|>|&R'7*W>7|CV>6-7|FTQC=|X MV?
1AN/UG|H|G|5<*[|T&U#|QUWB6VKZ?80&<(U M-
5IT)|VY,SM)M^|IOUTCZR@8P+'R&=X*MG3LUS9|Q#3WPNKW43,|+ K+|.; MZ4#;Z2!1JD
^@X5@KKSBB+Z_*+6)7|*)KN;7S+Z+8N M"XKV=H6B-6VAN|J3;@5,^X|UO|JV1+|.7UQLP//5|;?
U|H5W1N7>KH;_XVK_M1N|5YVPHQ^R?G#7JC;0+<%,_'%:T#XA|F*+2;GQ)G(T^;7|Y6\$.DT(|0|,='
MESW"TMHB<"N)D^I*|=|,0XK\$U+4 M-P3J6U5;)*BOKHU6-IT'UE.8S|3|"+;7WQQG+X6O3CEBJU&
(P2_V)|"8=|YW_MHCW4CU.N_&\$3_DXXLX+3;|VU3"|TT|91!;|B\$5H_F_Y.,P&S02F<>S7XU60F M>'
+P4|@+|"F|P.G10L:RD7T_#N".UYR";Y%YB&J.\$0BIKV/#|AW::GL5|+ M-
L\$M^8XV9HKXXVC8K_&*K#*SGQFSBTJ)03=&H"6:QT!;Z
ML>K==C>=)"&Q#N!;P/>|V38X1\$|PL|1<3 M2L'W0"^B%H^F)%"\$R")551J=QU|SH;Q&2J;ZAE,Y.(SQ-
JGGXRP=A7>PP+|H M\$9H2=@-"&@R) 3M|;V, @2%Q6XMQ(|,T3C8H_|1XF,'AT4|<'7DRD+0|!749JE
MXD:P^SYV|=9|_@H@Y*7(-5#|X.L1*PWI1*-=A6TP;|;3)C1F#A%2NO,=S M9IAPD|_&B@3@ "I-C
D3+FW|GA'D?0).;/(=OZ0_%9\$(8@|0E&"UQ7(P4, M8,>M?2'I3'?-"W6?GO#A))Q,%+QWD;TQ0+L2J(+6
Q_BP(CQL;G^I*8_U*T MCG^|B28HOR=,|=0#F BXCDJ\$-SQ?,|O#EL^C.672."F5@+WOP|4I.H90
MX6E03HJOK&\$(JS&GS(AQ-=5T|5L_|A,I6;>TTQP (<+;
M1C1935Y\$I?:FJY\$|\$79D^I;|V.V8F(%_ ^/KT|;1(B&EWT"=L)_R'^Q.EV!&I M/FPU,ICE%L*_U|C?
CKLO\$OYXKRC|O>V%_UI\$)3M2|T 9A)__.T*R(X!71\$P MD159GH-PQ@*(C0|YTY@^PD& VO-<|1>"-

B\AOPF+!0&DT#/P!) '8DI^6,P MY+EEQKEE\$IU!B!4=7P4/? ?FG%D+7!EN\ 2_ M.,%!,*\$\$ZB712!^;ENDO<0' 4?7ER*H-MJ"<4)36@.E3G=Z\$A P*/:R*IMXT MG 8(K,B@X:UL/!%#4A_@?<.V_JW %LA*JC!B!> !\Q!(@_/&.Y)DC\$&\$T#S M)45Q CHNO-S!AJT% CZ&3,6 *W51VT/^,V'H77E,K>&R1Z1983W" T"E^#E" MC(-4\$^"O M&&QM_ @2FG3'/59*&#@B(/*!@Y00#H((12#:^0U)CHBM>I MC^!R.HBZ)!+Z47^WN8&Z^Z<3AAS:'OR71=B^4S)WT-?;Y;; F_R95MM!6NO MY)?.: (I\$IK2!8R)4Q+YP"&:'S@) :1/0!2L"!KN4>!\4UET(T-^M.\$Z_" M;BTC6!21JV"E+B>AB&%M<%^O#\$OT!H:H !S!9GM=4\$*X7!0!?,2&BM0-Q!@ M;&M_U^T-=1FC! #0!)-BF!71R;:(@!K:2ELAR!/:\$X\ #R'ME/(:A;#0!N M(W5)1"Q-@'J5%;B &CAY.-4-W60FUVYJ7+*"H)CFT' XY!2!13QS7)RX1W=K M^CYCD70@WP7V!JRMQ9T5Y8D=MH:K8X<("F)8).HZA2_MX04LQ.T>@;%=1PN_1 M#F!#U:;HL=TX.>OB=-XUY!C32M\$GQ-50>=>1!B)4!+CBN!TIO\$>6"?@ M\$->TQ&#L=;DB@J(Z.- YX7BD5G!F!S=0R,JQ!H)A.*)!'+G@&F!^!F4<+TW MXAK=-C-K;CC !R5VUD-Z9R.7;/_-6GL- O/NO6.KNA/M)F+!/-F-.NZPSZG6EK.)YV MVMV!WN!6AV!T>AW=-W'AO_-Q!XAO- JGZ)'S:=S! UL)P+OE= T->Z1^!LO M_Q^??"@W8! S&ZN! NKQ\N!V!OKNXOM?;:'!>CZW!JH^L+!F? Z/K-=7%U>C MNZO+^!_!+7CP!N V!)=4OX<&8K?0L.?4D:XS^!#.>=HS/B81V7&SW M3!LCY?5? K>5<*! !/+@E<+!I4Z-(H%Q8S CN)4.5,4DXDSUI>@!4!W65_9 M&DPN';S=1!T<;,9&IJE+UW"(YHH7TNB>[5;N!O;XLD)SW!WY;:(1 L@!F(MQ+7S)- !2W8.)41K_+^&8=L?3+!;UWET!2GOFN(B@4IKMO%>|797N"/U!?:C M(E!B@%L^9Z!14LP7-!GN 9W8>XCE%H9XTHBM+,2H!K8YYW M/<,\$\$)EQH;6F<!\Q1#!15)AS@!XO.!#!G%!=-H+? *MKV!)WU MAZ!5W6=W3_OL@J6VH(V^?G26^WM;:L!2H:056RT)8:LEB@I%XMHBURXS3! M=)AO;-R27179;Z(+P M%#3U9!S363"J+@_F2^LT85K/E'D\$8?9!Q-Y=>U(^=U5S.;=SI&T.)A H_Y M% #305YB&&F=KV9%5FDOWFPBI3\$DD-\$8@;K ?."X&#70.G6-;R!&J09ME "H1E3HBKAFRTBW+;R4#!='!NI3B7QA@>PLT=V4 M'0Y+!1.95*?&!7!3&!73;4B13^*GC? 22CFGN432VWD8TO!NT>D4T#W6ZA-Y16-!>!'8;Q9B MZ.M%8P:3!E(:Q6HS;!/@RQ/MPN4VAQ.:?=A- R5U<&QWH'%>;O<^2+JZ#;;QM MDL!AB5_DI4BED!H7!_CM5PO@K5Q6CZ,'^=U'OOP0W!7@;A<8Z7+AGL^N@4GE M^S1X(4=8>#=#@-1>8T,T,B@)F 6J0!%0&(AV\$R08PXWS< MGIB6&?D??5X!G? &W;9PG;!99X!H!@YW^5-B@/!@IQP?Z%0=C%)#5T MS+6T+.79^!Q)#48(=E7=8;PVR0P)K-O/S5;H-NN! MYK#0JU9_WFT?^:9;K;6OVM 8N13!CS<+9!+!%:1X;&:W3RGXO'YUSG7(->Q MOHET9;%U8@:2AW%HX""U)[35V!D.XV7P0V""Q2H^N52V",KH\$E?02T:FTJP-G M!KY/O4/(!@/1KC@JH!0JHNP=JZWWR'46@;!JU7MF:<!)1@VX!?\$P;'B3)!>)6E M5^2^RSU:(6?'OFMI 7S.PS!><.+R-2G,+W1?-(?Q E<%KB!%^(BT7VW'9JNA MJ&WF!!U;@!JRL(Y;; MR@L%MM>WQ , \$BB9.C9YTT^)=;)4*0X\$ZA#?%8T=#:D7?/+:Q>!6M""VM;!:@; MOF!BZ3:06!H9*? 85L90&H2IB\$<2RH>EQ86+)H(?FR=F@MRH3ZMAC'2KA*O&* M4_P!1A!;:Q+/(Q2YM0+O;;M HE<*O!%[/# CE@"C?3%8-N!@:0!2YJT2*ESY_M)%O;I=W6!J.4B/FG!D""5FPJLPM 083K_A9B<'K!;!Y(TH'Q-FS"TSW6#42-MXB.;!&ORR- !,4^/@7ABC)Z<-6OMQJXLEA*H3A5V%=';!XM>/>PJ46L-*_0Z M5O3:H)GN&V:G'NMZA;P7F/*O36Z*PTW>F(:G S;5F/MYWQA.4LF6LEK M"PM>+^!FIUOL82/XC7O;.#&-NMYINY1VXE3#'EOX@_-9)/7=QY-?I\$^TEM&2K;K@R.+JYDAAOR.7! <'GE'7W4Q.T).L+7M6@4'2XI2&Y28 M/>%4&W JW=*WPJGCP*D-FLN>< KG(&ZM#90! MF%|Q'M9^\$0^+9J!>3..XFLG >L# 5K6)K.SY0!>GUIX1*G^*5J^_LQ2M"MM*MBFWMF#;H&S8MB-? TK\$%EA(-PUX46DJ!^8KF4!P^Z;W(:2NR!U+>V^*.6QYV M:N *NG!H7)X=V=WO&B=? %JK;&5+V*5C5;08J!R0X6JOZ-9<' M*5_-F_3F50M*PZ?-K3!>EL:53J;:6:Y4'BOE_6OME!KV(93? 4+Q=V!A2&RYMQ5E!/%!)MF86YJ91!D-KK/F708QX%H?'E&!;X7!1X !F^; YL=^# W7N!NR M%"KLK!;!_!B_:N1!<>RG"3(9TXX;HQL+;J:L"WS:V!Y PJE.^EL!VETG"7!+>R9.Y6OWVV-Y\$!T;&3 A- #:CU2OZL^X:AUB^MTJ!2*K2/C\$ 4D1ARSR.! "S? !O.M??KN-!>9GU.F"HVP2P!Y%.DBV0FI4N7 MF53EP;URXL/KX!RPPKECQ!D->0T!PKDT;@VP*WDL(H4FT4ML^8*JJY!W& MB !KG4ZGZ!31X: ^;*R?C9FM;!27J=L;9K5E:XTK@100@9UC!NT!FC7M#7< M1%HT!%8!1GGUU;_\$ -6O=UL(!1S#;X7;J!7,O)57&NF%PUEQJ'V<!)T,!-W MF>X%IE+!>, !F6/4PJ;:Q?"Y2D7FK0S%\$O!2.LEU*;RFKAFAHMNA)2YO14 ME%G!QQQ-B<'OAXKBD7\$ L)LZCF !/N.@M4!;'=0>^&=W#C\$,WU!_O3!^?FY M_FOL6G7'?S4:C3:GUSX^!A!5N<937!R,'DC LQ3Z:8+V"G(.UTRUK"Q7L! M<7A^YYEDY,!T'U ZL.3XZL!<!\FDV@#/W#A#Q"5!.)-HZI"61R)Y.*:OA MW&MXRG0%K=4 !^#-7/S6M&=:?@:6J39FS 9:52W7J1B&RV>A>U@.Z.\$,1059 ME5L!<'XQ'3Z- U*N:0>TZQAR"XAW4(RE!=%P"/9_QLL^A?1H1(!_H8Q-C (B5-MCZ3F0+!1Y/- FNY4PGY7_XGZ15LO!EW4&_M8!/_;:(!YZ:N1&K>&2G8V#/#/T_U*9SQLVX!ZTL/Q:@ZYART! !&G/F!U!;!% MBLL*F\$VG>X.9YVW Z1V7!. CQ!R ?;J1 MI-&03_ULTUQZ@?4H 91)!0F!\$K(G9IG2LC!/^&6?WR!/?K3;T?D_1G<7VN7U MP^7=!=W5_-5V? O/C=G3!3VUT?;='=_U_NKB:G1W=7E_^(>^!M!G8;HNW"7!MLB3LOYFV;D!&H J !!0);_VX9SS068D? 6C;G'XC<>[!^_SL;O;#\$3""^;=] M8G\$=[3M!U*T?N@^7YXUL@T/GD0'Y0; %KZ#4'@D JU!L9=R;12K \$U_SNDN*:W4:TE(+F4CN&;65EHGVUYC M3)5K==ZH!P\$G9_9L;=_7;L%PUEU#NT0J6!BFQU"S- >TGQWH"5=%Y4D'#2'P M-\$M_!@+3!SA/+VZU%M>8V6Q*6!*U MF?UDNH!JT&U.4<IT(-FYF2FZ? QH7.!".Q5(F!HB!*Y'S'H<> CSZMK5Z J M@7K(0Q4K(7NAF;:/8- <7S!%2_@.)35CQ^'EU&O\$# !@#!%YUBK!277\$ _3; MYI>/&O\$Z COP'-@L@,QFW&)Z-OV9MOK6R!27_P(:ZP)0T)E.N5;Y^RVGWRMI M4M<^H'L/1-12^VD!SS8>3NQ2O/=4OE?HP>&^LD!DOZZMV1>=^O=;C3:@XX% MK29>.#!/? BZFPQ4YL(B+IP;DUA!132: \$S!P'X)O+%"XM=(D>00 Q*.*V@!!8_9T!%<&2(*3!15-108Y!X:V'D><#^Y MA-QW!L#"&Y>0(Q!SZRC!SO&%P/@!ARQ_)G?A\$#(O)HL?3QC!20@)0\$NT>)T'. M!74(!*)&"!;2KF#

!PP,*M,'!F29!(F)X!(P#LY-KK.F)?Z\$!R41V=PU62/M=0"!B=()PJ?"4W!;+8!"ZP2H\$(Y@B NG8/<"7\$@
?^%1B/M'(<1MO\3)>#R&!P!C (&-1270%MBV\!\$U@'C\$*\$2!22/Y/A(N*BR/_P_4&
MX#V9!)GL5"^Z'@")!P4 P!C1E/YH28O(4Z"3)!VV,6%QH<IX,%U^Q,FT=)!# MW;)NM^!\B*C7
2@1)J.E|HHCU;7O"JFCZ(.WPJ-PL, &T|HP)^3E!%@YS_!2 M=RW+#+\$*\$
K1Y4E'+ZK!H@SV|7&.B41\$X'# \$J21L0PH2W"\$ -GB-2)!+6"+ M(&)U;Z9-
+0>N!8@!7A18/I\$,9!E\$OMQW,:8K P6#!Z>1FX4H!.\$@4*W(N@ MC9=T/?!*-
@%RT)^A"3NN\$S@#M<%(LUM+08E@<')\$='1 %Q'HE>X#O(2W)H7 M@#P)LQ%(9%/3&SR:H
M8.8DAQZJJO.WBO*(U'<5TR|W>?S75<0+@62=2^0.\$0\A<^<|\@D;^M)9PA Y7
MWTM<(J>5H=W8VK7SQ-#KPV0W)KP7V"@%!5!8FA*X)\$XR6 ##S M;\$Z-4|/B M!;\$&R.B 6X|*I
JZ.GP,T@=QM4T<|\$.B()-H|"1\$=.P>>I*..PQZYQ@7T^_OM M)7"LI4?
T%3UABMDOH&NPN0Z4+BV+4#VEAZ0'P;@@"\$ RX1CX"Z!\$.L.;*Y@
M1RLD7@4|1ZF". &".99Y" T^R9P+(@7L^.^Y/KG1%\$*#,.R^TOJ(=T0_P@S_L*?X,48CY M9
HW_5G IW"V\$^/5/.89JJK0'5L.;Z_6_@J!5SQ-|XRA8XO 'X.V(+,|)%9X M?
|VZA/&#HD(B'('!A0W..A8I#%X.;3"Y6"L1D\$T#FM4CD)6'&D. M&E9K"V6#
|_6;L2<3D.0_G#HU"AM;D\$G->?WH MHTC"3OF>GI-&:T0&)\$U\BE_0_N,!%SZGJU;Y%BK'J.V-
O^PICSUZ.KHX<|X MT-P)59Y%>" 393X=B7%5, 8Q#M (G+/H*:@^96\$JH_61|RKQ_?Y_/F6-D M8H\$!
!5UX@*5'P.U713%J'PX2"5DXX9')GG>|.172=XY !#Q0|W MG'51\$K6>9PZ882Z+;4
!N2X^"|G#^W&,>;U*"8)%\$99 K&)(LH01)O>" MX%H+5(N!YO#(O|B\$@CR(O>|8|*7-%6(R-
_R!MY!NHZ(XLC6NOLD=PQE!R%| MZUD'F+IXBQO>0 X5V='Q:<70G%Y0!-6YX15'=|K: M-S9V |RE
!26XVP|W^ M%|R!O&B!L?B_!7'6T7=U>A PZ#SA@)!EJ<<'LXZ;+C:|R#H/7@WLP67;KN
MO_N&|D'Z^6|Y|R+/G4ZRU(3/W&72;5);G;8A97DR<0.+_K,+\$\$&8+|CF<|1 N
M>2EU@CONVGEP1J3X&^!@OBYTTS@'6G/FWD6 @E!R%BR(ESE!%OE/*_GAME9
MU0R#|LF9AR!|7YH\$B|*AH*7N9?#.J-OY(1=#0)_2R#HG)R!-9X&/<+I^&0
M4J'%|X'CCC+;)U16AH7W7|4;?0 M1T(1+_J&5Q|B|N7+ #@0FEVJ
*EQZ!^%0Z1R6/T*=3DUL=|G9(O9/;"1U\$ MX:U*CO"QE"5&.Y6V0;^G6SX(UD(K);&M&N!?!?SYSG
6\$%;Q- 5F"<!"122Q3*!T|Z@W=TCM/N9 P|B8(=' MY78+G(/AF:2JJ(|#X(V.@4GR+ZT|!\$RC|@Q
&VRA5O^>D% ^NTIQ"L6X=\$2 MN=3;|P NQ'R K3YA@|0V\$|_GT4B0RX8V8V 0H6-*
(\$5!S8SC_28/%M|!^&J7 M_8M;F!)BOW'O/?.\$!>H'+E^*^P|EU"+'.FP><34"C(/P!&BQ8+CA-?#@1D_
MF#8 P9>8/A8ECBT_/_> \$|JL#_@*%N"XS'3#;M0<&7+_5;G!|W8*GT@|&*X@_M4H&1ET|
"G!)16BU2HQF-E|=U:GY)Z&R+H.!&"(P@5;./QF@*#_*KW?*J9 M\$A00MV%)6/MYQB@D!9|Y@8?
1""U< 5D\$0HN"WB;/"^+S1S;_02(6TJ4E'L1 M#=3(7=D("Q)'R|!(8PUBK?(I2V"<7/<2|N&R!5O9C (2%
\$3+UJY YT DF MY(6T6;|A^WRJPMPUZJS-HJLW;+S-HUB9PK;+34\$4D?K5-\$1N+|HG@;GSM-@\$VR04
MF^'=#\$_.|J@%+<%*227JUC0>E T6PMAB5. U8=*6,7T2FJ|@\$.Y#2\$SE_&24 MP?-P(C@V"DN/;-K,
#2;+9K0E>*K+ 04/P%477;&LV-#*B)Y7AJC&|=Y;AL M+C*)0 |86/J\$T;XP\$PV4\$
OC16IH+W\$T851K\$_)#SH1H2*^")Y'<:21'284 M7;*S)2
P*),7QX&L>MT!MHXLS|C=0P;G#H\$MR,U;SU1#E6B_\$YK
MWTSOY:K?'/4M_5M,8|JG4M2>O'F5XH|Q9F9/TMKE(#Y@'L@P5QAY
MG.A((#E(A0A(SX*E1HD73BAFFCQ_J2?-YS_&J5J8!TU&9X?#;*41ZQE>>6U
M@WF7KAU|GTA=BKF(-P)0^Q#MU5K6PDBAS(|P0A|&\$+F)OM.>3,>2EK?VC1F\$ MUJ-
'AIN;N,3!1*ZZFB T@DU+7!HXG(4.4|!(1BE:6S,+%)^NPC&@(: C2_ M291KK/S@J|CBI^|N76?
*/.YN/'<,1HFFE-NL|W(2BSPGCOM3Y'L'E;-L%=QX MSD7ST@GLQ^AW=>|5B1(>2'B2+X:2%F!;&@?
(.Z;EIY\$DJOE&L)"| ^ (X-4M MD3|?1P|,A\$9"\$ZYON=.63-BQK>"#R:(PR:BFS#%,@,"L;T-<+)=|?|I-)
M_*87/K0MN1=?GM+L0&K\$JN*|D=7-ZGS|MI@A|N0S*-8M5|V 6SP* B#>R M7C8-&C'9%(^T(>#9-9
9)H|CQK+H8=7*|C"XC#GR+|!\$5601&:-|UD. 5+27H!MWCK48+Q-; M%|L_#J|
M+DB37Q%!KD3")71Z8.A@^@?XW_F&4Q-7&#GKP_%4= SXJ("MC0P M;|/2"-F(4#9#N0);
(-TGEZOP|LGI|R)F#T=TKG,VTL?+\$S_RCH55J"0J0\$G M3XC"+?Q-%(|T,96MKOU=
M%M&\$|3DRZ4P4-?#=24DE8G(F%@T"P.PT@U/SOZ?-JSJHUS"6XB2^|H"UTE
M!;!%Y8,686&CIB5V_ USJ4:4->^8B&8>AH* M? \$U)-:'>M;A3&B\$A2<9?!IK;C";E_JY/_=B3C0E=B |:U:
=4+|8R;(/! M#';AUX6?* (EP/@4++LU61E 2HJ&!HC*O1N8(16RKA/PRF+X*?(<2D7&
MNBIT@R'CP^|LCA2|L!\$#%@.8|T/C|D1H|FU9 #=-<)|HYR|3_ 33LV.43Q M<5"58IGQ>"
|!>\$\$<-7U*+; "E>MQ1E^@XNP;%SC|PBY(%KFS BKRM+6<|0P
M,?;0U.|+=8<4Y+@'|3OHD\APF10W_ZJ9PTBI%98M8+V)I3Y19
MM=M|N9,'8/W3*0H<(6*6|21XW*E8#^U|GN6"#W-9<*&N6U-2>|@K*6MSJGX8 M_5(I6J*_#VPF=
(<2MQ)B-5@+#+.8DHU>5@UJ4)8^#1"%V.<%81%,2.1CR+9 MB33RSDUW\$J#7-(L-
K^R=|UK|65P6SYF5VL#+3BBNC87\$'GH_!02!&4_U)|?E MD>Q+NL(X&ZIG;F@F*@_J2@?4I@%9|
(|D|2FPCN2HO@K|_H_R>JD14VD-8W|8" ML3PWT:0).%:-XW+B%?6(@MDR;YTL\$VKRG+4DX5?
C/B6I"MRU0H> 9#NB|J8?4 M42X"SV.6X;B8GOXHK%;N%|A@-8%,MI>A"D2)Z|_V
|^-;S"RRJ^;CWWNIS'3^ M:51LS9_CF<.4P?;!ON!N;ZHH|>*XC'9M,CO
XG^6"!^*6OIJ+54'\$4;/(04LD3^RE1H*^D|X: M2L&-4)|VX>FFL|RU9+.FAP" _YYD.>+)C(.0_|"+D1
M&7#""2 ^?%C9C"!&\$A|(|ZPU00\$.J'AS*6\$8-FX(M_-;I*^<5D).SC5 1*O"?^7"R*%KZB+7<.5)9!|: J8V!5-
B0T7<|GY9\$^G4C2 MO|4&&MJ';&|4=FY.3-07P>B@+S|FV,*YZ,E!NE3J(^U^=%|;S4!NY;;@9_&<=
MZ6P&=H7<7M?NZ|?U43W-OOC7-O| K5OBMC=L*;;1 MD)3G&S@:O"ILTO'-!1 IQBO@^=I"P18E!-
S%V ZU);XZE86WA&.=&FK8H)- M,KQ2HC".O&5*(>W*R%;U>Y#NX;RKQ(@EI_#C,I#1E
M|N!EB&N.RQX=0E|YNEO%|B;+LA|"PU>@\$|B+R\$|WPEG\$8I1KS)PP1|R/-;1
MCTDQ(B|C^ ^9'1=TB|3NUUXG+R\$=4)>JM2|3K5(EZ5:)>V7/6JD2|?27J'6Q& M7D|_0
+:!;!D/M8R4:#P@=|(^_SGF)LSEQ>V;_J|-K@NB|6@&+V@Z;7
MZD_Y>B%N|D|(*YMR@;A<0P=0V+;_< *TSYV::L(@U5)GQ4C|*V|'1J_4002%

M(T6HKA/=8V%N7W0X_.7JRO+|.E-'S7A@5R3Z;-Q+;1(M+U&))^,HXSFU[R MD7+X"%H,YG-%\$52*\$T^B?HJF7+LDNUS^R1LL""6=A # M9H: HLFQJ.IW M>6L_L+WC\$PW&H\$+J;+T7Z))H>QC->5.F1K/MZEIV(:4&Z|H#R%*HY4F"">/M8A@"|B,\$4|:U99|!%:?
6K=MCACQJ&RZ*^+V""M34"T/1(1+1P+#+*1|B,QU^1) M(<_8WN+|)F2|.\$9.)(1X M\$G^'&W?6=<5TV64|005>CD3)^|MFYAU;NHF)2"" MAKG^DWGBYX)C,TP<,%OF_;H\$.L#Y.(P|*J2A6':4+OA|%;Z4 A#L\$1)'- M4857E|Y2_T'7-XYJ*;QY 7R M1U)!""6.IB0M2P6D/S- =XY3WA):=UC6#FIQHU*T:|SAUBYST|E+T""^..OE?R% M|IYO5|0!)NHWYR(?E+|G:N4U MR0U;CA"9H=04&*.+AMV^0WA%Z/?.^|6??AKL;JCL.E|D?|OHYA036
M.,QUT6%7R57&Y5TV8|"AL#XH|O,|SKI8C7=^%\$TNZ;J_AXVAU7SP||N|/^|)*
M1GBRKSRI|9S"XC69JR*/EU \$B(FN4P 24GV|X_/L95< 70!N6J'-00W;.,== 'MVC""^0- ^,ZE%WK8H|M9"0K'#&%MHCG">A&%.DI|J\$|_LZ2Y7V5EHL4I M+NJ@7>,FFF,+CSMVVQ9J? \$QSJ|7R>I&|Y>L#+WP%4;.\$H|3|_|'5;.&N,5H#, M "2ZX;=H'G23XDT>D:A|MA8USE;Y&::/!S\$ +22 G A 6|;R:L8|20V2>89W MHC MX|*,D147W%)|T:P?S4|,AQS>^.,PP""H9AIV3LV;|O6(HZ5AV/^*AGQQ0 MD'\$T/7) H#"4/R6=E9BZT+Z%#P1;E/+ \$ 5)|D""I^SN <2P2Y43FL|P5K|J3# MLUP-7?*HG# (|@)|JZJKH2|_|.9IUIF-@CDWZL?A\$.)1 UY/;-&K|O|7PI_4 M&G|T.6";DUAS|K"<- KI^18.@L*+.*H+|5D9C:'T|>>'B>.=%R;@B_PX4'>B M\$1M<5R=.QS4.21F- 1C#")NR|Z9RBK8N>|K@U(*4="|L;""/>#\$.KZ@&Z*1 M+IC>@.;EY9-H8"5""|LWHTHCHAAFL2E M"2YE671="H<%.)+>9=QZ27+)|TGT1A.6R/GCH*C9AHA3|?AR\$O%P/Z\$390V MC8A;.:68V|)Z<=;OIUG&Q(6\$(E)%*012UP+L|C=-2.'|PIB\$28FK(2"K# PZU.P6XB?|M'#|/TCD=<| (S7%GZP.AO-B%DBX(^D6X?G8JEW@ MN^;C(=M|R^=R21P;.:8%+R<+;XG#E|65;65H'#JQ2| (9PZW,-1-F67W'&G M#)|2=HAVSQP86BX&_WYS|'M5;F&56UCV+LJMW ?N85< |I4C+9|.2R1YO"0 MD,^R=P\$E.)^X.!'A"0P=N*XN2L51|_|.+@K^0")F4 MOB&Z;+N%\$;^H4;H(>6*P5%4? HD!5^#8T"773"G@<6 TP2ND=MOW*W&9<*, "(M.@'W_ZEB.YGN@' 8FL-TUX@.6(A/LDTC,4<9| M;1T?)687-?R(O8L4 M-B6@'\$=H3@AI^PTM+0H&|C(\$|S_V_XLM27O/H^9PI\$;,>5X/O@'GWUG;>3'X MEH/G(4IG):XW3*RM|#\$;.*9;TX00\$*% _^589EJ;5PK@VG|_LF%G/Y/F/>&K\$M6C&Y1(R<6IHYQ. :|8L,LW1BG5GFENFA|HK4<8 A/*| M?D7WE|UZ2@J'(:CXP*;L ^%.|E\$D200#|/@4A#_V3AC'=DX3;%* %X6F1RN';- MJ&F7F;OI^|&JB(&NJJ^+W*&I'WXW>"6LX\$U5O#N&RJNIF|T|^&CE!'F;Z|G M" C*)EX9UDJFY;N"?3V(MKF'H^2X#_HO|8>H|DKP @#@IQCP # (WHB< 91XJ MS|XOSBQQ1<&/,H W?6,N?U%|'6;|%|_|Y0>|2P!-=K;5Z#B;|D@RKQ;|*|D%E*&JM#3%BX|!5OCU|.72BP;(PQ MX- :@,V!@S'Q"YZJWP|P7<5;2ETYG;|U#&;M*""(E4WDV;=|EHC6R*|D_&< M-%'*=87;|L- :42FQZ;))_T7C4/GHU1YNWHK3-@F:*(UDP5"?3(A ML_116?*3X; E0F&L7(+I=RAWJH_|UH7M#F22ZBN_|QUHTPG0\$?EJK^L?JM MX&KEB;FH152E1? HE3CK@W)*&1DKV^)^M'N78X@-KL|6ISQE5FFC%^<|DYXQ: M*9,|4,ERY(F; &V.E.DH;42I8|P; (<^J@B|+FMJAB=|D,*RBI-M&2?.GN|V+;FTWTWCS9A#K7Y=*+^>L9+AV,NMM78 V M.Q)|\$* (|NRY&|J>V;PFU,=)#>1V|OJ2_CW6+EW H)\$#\$00\$V|'L)"8^Z;|6'D 5=SB !QJL.HSM/Q6(46Y%|'J; > MX'+&=^% AEQ9?%V'KSZE/^|WZZW>(/.K1KV9^?FJ5S5;|78W^ZM5KUK|>;== M|\$UK-|5;^Z|/'|_|. |@60/'>P)D' I^FA7|N;\$U@=@^Q7|V3|VLM?B%/TRS MT.05|MO;-?4.-O'51B;QAHCN& |D!DG%2BTU3J+J?D4M-3PN83!@#DZ@4M|U9;Z.S*UWN?B@:%??|IP MU8!\$(FKU>C/5KW5+? DUWT7Z=O(>BQRYH1T"3O_ '5D=4CT:|AU*=K4A>WF#0 M6I^81U0^HFS*;X?G;..%(HXQ4O. |D6;N_HF1Q&VA+&LH-|0*TGUA.Y1T5SA|O MSK=WA?/=D|-JR0XOR- 5Y&#DU:UP""U4.EK%SIY)Q(>..Z7FX^&U.V;\$|I3H6-LM6(M<|? |Z)H82|CPGKU;H|M9<2NT7%QVJYG>-/'NL=XT/-# M.QD|*F+|KE% W_3YU_9K*(\$2|8I3_/WG9L4D3? BH-?.3P6#W+29..)|E|39 MTS<;KT>+;Y8#5X89-!N(H1*U@|&&6KC|YL< 3.YN2;1L|8 M%DFZNT*2(2!) MLR1(A@::3B56#EFL>#/'|=?(ENOOB|ERRO P-Y)H-C&..6LW6EY+X M|RJ?=44-|'\$SE|9YDK% M59Q6P-JFCN;CLXFF|/6UV4I/RS.X?@Z_N+SY|^/3| UW^7;ONN(^?6HU& M^Y,+7W^2OWV+L|3|WJ|W6PA3&KT BVGSPGD" I4CKLML"5;C|719=57\$ 85.1@ ML!#E,4|@3T1#1EE|%MCA/'2L_PGKB;-^&J*20_@SJOL21624LS,>|7GXI5?WQQG1_K3DLVIWVM^! MZ2|_|'F&%%Z>&TL!E&7GZS;S>;U6NFD M?SE-&L=|3R_L4LO? MG+7@|EUJ2U04\$!O|\$HYOBY\$T!*V6|J2R|E045!-Z&<7C/Z39ELS+E5FD@ M(^-*>|D.?GA- RI>+_*5%QEH|S/&CK?6.CY!D|+8;8ED;^D| UJHX>.;H>-^@-VTPE<3@>VG'GWP"8S&|WN- 2^FW,3@2WG(_UQ M?74?34>B;.|M<|V0;2&_|X CDIE(T>+QV&|1ERB!H.GJ"3P)|BH'C^<3C M;1_'|EA^CKV1&|U6JUX;.:?|+), 7>NC(M|\$|';P.=X7/7L!|_|'1|NQ\$^|&CL M%W,G- |L)>|PA;|EH\$E|^RCL|37101E,#38)_A#8TT(4A.(Y1=GJC%EA2|RP MSP;G 9,W2|V_0RZG42- HTO<\$^C"9@|I|JA1\$?K9\$P! M*G*T#^9'P&EM)#>T?N.T30PH_"A37_5DG;&G'B#DV0DZA? &M7XFKLT6; 6> MP>Y|W+OX=;O"&7;..YL0D+;/FQ|@81A&P54Y+DNN4DI@14(O/|'6!YP*.< MJYLK.J|IV.R>G+7J|_P 8D 3(ODH> 2I%=7JJ?U!|O5X4Y(XZ_Y@"H0-\$1> M>|^7AC%VDFF<934;E3&E(E'R17S\$M-2X#4U?|").SL+;8PNCNRX<_I+|(\$ M<8+PB9!|A\$WD|FRA;|T-WH2,>B=GS6V8^;|L% J.NKCH+|.)CH2L^X1?LW> M6V6XM%Z+|WB@|\$HJ;|\$V<>D3%#^380 V*|^\$(P8B.*3&;*^Q@|I0^7\$ MD&0"SA.V2*\$F);|SR- C6.&GE H@%V*J/G#9NDX;C M\$%A E9#J+S+@P|T+O\$S\$Z6-9SZT<4|RGQ@76QT*DZ:(|T|,R%-+= |MO"Y MTA^J;XN\$S;2%0J9|H;|MWL0UQ_@&|.7'N\$DB"%0%9U@-|L- 2<6U1|&+OU@AO41M.SSW\$S'@XW|QXV^P(K;VN+\$O MQ.CYHD|=AJWFR5F_06&J6UW+,3|V-V^C? ZMPA_!|L|\$2^C%P= Z.1NVTClF M# R|Y8<+|W!|!%L:&T1?6L_|V|'WH|5>H3 G;@00B7P=F=>;GZRA^MMKA|&MO-7U*IRNU4%.MZH H;KR'ZVWN|WJ|*YQ;*Z|W2#W%;:3E- QEG3(8Y%;IBS-S! MV>Z2R4=.;G)N_7M;3I8!*>|(?-?#G"(_VTN>/9\$|D8Z" L_T#EHLKC5 M\$0441|Q1|A|_H;BG!"|5X&=JT3""@9S=|BO4RQ+AG(6AM*!E;04^H|S_ M=|N!S1>.|JO+*|B*Z<|SI&4U%)#TB^7%O\$BF|VRS@|PA|E|D)&X>MDM.Q:S MBL6|V"_3_UZ8|

Y=C@Z,F='B\K1E[+|^6|9-\$"E_K|;8"=BOF3DV_2|OOL&J M@6/5P'%/8^Y6IE
<0?|2YW<9V)\$0M(L2&66;)T1DY\$TQJF^E4>C9[|\$/>|MT1ASC:V%^:|=+\$+Q&%ET-WV"YE5996IML-
T \$9I3GR|95M8+;W* OGR?33 0 M.^FR-
4TU_8MM=4/M^LNWBN/EFNV"N:.*&"#/32%4Q:5.WJHEYMN8,N5(X6L* M-V/&Y@+3:L)X
NW4EM|I>5#%NHVNY&BOFPH|';|C7|15.#NH X:=';3U|-9 M'W:&.VLVVC|N3>VQ
VJS>Y@M4+|YKIB;2A1/Z;L:C_YLV1%XQP.A|P2=;T95B/_-3JN<CM MNW-6Q%\$1Q|Z)8X4#;X_\$@14
_57Y;,:?>%N@M|. &K|N&4P2A/0I|L+N_8FT/ M"|5+R|O4HWRT|6%'6E4V-8P4P-Y.HSR.*YON().
<>B=GZ<2|CP?8 J;"G'PZ MQ^Y0IW|RED|AJ5#GP%%GC43>'>H,3LXR F&OCCMOV.RUC)TFLM%G%
(Z^YJ4* MSM2DFD;3|EW|E(9J+RD|/Q&%?R<=4'6.3=M0717>!67=|-8W91- M\$|,ZF'|Q1.Z&
(|>OG:D#>|W86|MJ?>=G8&;46|%'256U+OGF-SVU-O)3BH_1.K-Z)&< MU:&VD+.O%(4@F.NK9:/OJ+,-
V|/HO-45G-6\$S1N%:T(&PPVRXM9UP(HS"-G5B^<.%Q|:ZO: S2B*%Z&.1AN()D='Z'*69JK0MAAT4N|!H-
L.>K#|!#|C M'A/=H3WMF:4.S&)32'C: #UR: ^WECY>LNFUKP6MZ: %'IG!!Q"HLIC(JK%M: %H
M)2OJV|.W>(#/L%+X'?;E5:NP)4<:M)W'!.05:QI7>J=R"VB/\$=;1PLZ7*H MI| OMY?&'Z(^?FPD2?
JS.WYCJL_OJ5S?QGQ V)E|1P'.P_3SSM|D3;-Z9 MX *I^AY<(BP3VZ.MW7!#BX(|H3L@'"A8.TCOO-
-/NH#|/75|F^BIX,\$VC*UXE8/AF+3!'MA=KP1G&YZ<#59.6IU' MO;4H.H4T@|J3R@K-
N1%#JX'*KN_Y2:2HGNT81RU= 4_B@W<;)67^5=WUOR+GO M0Z%KM|5*%=PG9N|I8.1?
RH&6LI>J%TKFN,2N:V+.MZ<9 00Q-|-%5JBD"6F^ M#3|>T:Y7 G#\$-05/;"YS_E0>,
(\$AO|H)M|7MK^B1NNO-=S+C\$FO4K|IV%TZY MX_6%ZNFQ"*LP_P?ETFP|V\$?|]\$PPX?B'K'1/-
|CM5TOG;LK+|E M923MK|!%1AX8QHSK1D>M8W)XGMY;|E|Y;ATEY>@(|Z580=M>|<'P5%(X4|:D=
M(V^2'"S0A>-)2OLGKS0T8|M+D)|@X7PB6%CGSJ2:F\$!%(R<"&_X926SCF M9Q+X-
"IN.C4GL(YH8"J^GX8L1GQ? XT5|3?T*E%W<(W%;HGF5DVG7">RP?R7 M'OH,4|?
H|!;!S|O@W3#S@9*;'\$.= M 5)-9M\$40=/F^K1)H|M|;|6>|DZ|.WT;G4@UC6NYV+-;.*KQ.
<_I0#BG:526|('/&KPY M_?EJM|(B#3V+9_2B>2|ANOID\$LP#WK,7OT3?+)|@N\$|G\$-
^|HWA.|H=|= #4+X M\$5VM@X.#G&T%;,6J|@A|IR&05O'?EJDBF5SZ;X:TA0,"5Q
ML9DMDB#.4#)I@%,XPN,X|5PQ#=#X|A^4^H.1O4ET=|7P|>F<&G,@'S,#0K/ M-*;P3%--^5!NI M@
#%8U"4CQ=FM@+0XO 41Z57B\|P?^ *Z&P% 6O!R772A5#%<%R-M
=NU=PS6Z|>Z1OW)|@:&%*N;^O!7M7BFB%|3 MHBR;

(CUC&.:8<34FE)*N6S""=SZ4*&=H|F|C.Q^EZA!-J|H.F."O3#!RW| M&06D.L*UV0|G%SB D;0FK(Z3F-
:NMEH|E2S)7<;'Y^U<)|X|HV\$1"GDO\$@J!)"I_7JOU?U/>|W-Q3K70/4Q
M^*PK\$)24V(6^QUMZATL=29W)3TR/ 0JWV7-XCGQ7@|:|I^N3F=!"4"OW@-%2
M5W&M71|.FF'MRY|>?>T|I#8Z1.|@+K16KW%RO@>. MZ'E
H\$LG\$2ZHX8JG31P|2#2EY'8)IQ&"+P\$WG.ZX;&?;\$Y'MNS@&\$+8FT=6
MDJHI|J%_J)#>G_ZCQDVJ3N.H&%3.DWT%PSW)C@7X|0.J|(\$;#2J^(:Z,7W|S7(:.YQ&? MNB2-
;+F)FV^C|_"P8(|,?^&NA(Z3N|PP8Z:WX?Y_ ^*GR: ^RP>^0_03_B M2M%?Z?%M3T@G_'FV&K;?
=6|3R/&=%KT1;+Z&'LRYZ?OT|TFHE)#%:8:1|B_N M!Q4SQM0)IZ%R|M>ID;6S1 =LZ"> M3(|
)R'N|V19> 8U|,UP)|@'%5"DW&M-MX'^VHSVZCH?&'B4SDBS'|J;+ 88G MA#Q>H^4;!O?&9L%X,4%ZPX
X|@#W52%@<'MPA M@J> ?QC.<^@IX;"/PC+|S+ _F|= %OQT%"|>TM&8WQ4+_1B:(F_&_J=.Y%'
M@U@4\$-#2\$EV46_:|10=_QA"&\$ _WT8=_A==^?3P(|X4'1G@G\$|JX|TE2T MFF%V0#6-IM;Z+^AJ<-
("H9|F42 3W0|)M@#3K.&7|V&*/T38(<<5/Y-\$5"N_#ET@45?> ?DX+\$(=ZR
FIQ&V\$H:Q+^TF6Y\$U\$Z(D;DB.L60 SM4"6%\$AB:FYF.P1YHHT;4I/ZJ|*YKS M.3_GCEHVK 4
4O|Z'&EHL+O#.F;E8LT=^+L-AW!LGV5 DN,B_\$;CD MTUG).!(Y6'O-
B2M/^MMP+_:/JD2V*I&M+*W#"-&S5\$Y,?J"^+S60GA.V|5| M0|%92
S0T)^8#H3J.\$@C9'^@|IS)I.%OB<(T_3&JAXC!*E#A6 M9>|;N5=\$:K14=064*<'DT2:YHBT=%Y7?
3YW82Z,5+;_KBF9Y@3)8YQ2|4^<@7\$. A9@S|;B\$&7UF=ZE-M9I|*(8
*CE:C>P3)");.)MH^|Z_:Q\$@\$7|+AA\$ MB|*ED|D|H.WO|EB/DA6??(3Y*|VB:B|,'+.Q' @R9H88^H7(%(-
-OQZ;S MZ.J+|F7|>R@QQA"QJR9A'E:H M@U/ZFDE-1.A.2FI0THQ(1W3Z&3<1,9)Q0>(@Y;ID6+N^9A-
XAH*/< MA|.%S_%50D\$U2IU?>1.;JDA'Q|UN>MWZ U X2K?YUOG#F)8'D&"&_J2D|H M%W@FAV)(I
N>N@C81)-*Z\$(!O6)'\$94 ^0>0=BNN1OE\$D7&(K =9%L|PX\$|).KZDQ6.RUBYOA+A8R M9+01 &
(16KK9.(E.#)&3%F4O-8?<|(3OP'B:@S0_4>6,7DT@FT: ^MA5|)2. M(%/FI*Z|MM|C_#|6D96N>J#07H
BZ&KC6P;,\$7|P1CQ%0K/ P.9.9:|>,KK M8J*\$E@2MLDEF0&A\$96Q?IM*&-|94U39A)3K(XIL?Y|G1W
MT,3DC=A.L9D@)65NPH|3YN#-<(|@T M;U;W^%N+@;G;J1"=7L9HLZ>= 0;)D MHJWGGE%PCF<.
(7|SH4IR3GA;X=U.NB|I"@A|3\$HAVO%)4|OCL4_@WL7#*BL> M,"*@O6)0'KS0?Y;|WO*MM;3&24*
|RAS0WKX/XPXW%-(Y>%90\$BP3_KM M@&-^=6#CY%MM?&_!|^9CE2*<_)
|4(TF|J@T81*6;7QR7(6<0JB2_4=|_M;NW&%J^37V-2C%|3Q3>7BL,XM\$#J8I&*R-Z;R-
8RWA%0E(AB'Y-U&\$=T15\$0 MJ*|3KR;AKZ+;_/8+8P.A|S< =H9+AGJ'^FUB6O4R'00R31R#G%/C
-1E#\$&) M*B-N(|E_.\$QG SS*6D|46O!GS9%W#Q-\$?KWJE7S52YTS>J*9P->:UN|UR MA6A "T#C1
|Y;W Y^KU 5^4%%V&F5H6SAX"S20:X)PZF(J9X'_WB5+1RTW|H M|#/7RWY;DS&YU4B5U|4Y. 979U--
U45|E8&1NM|BK\$.R^! 7DX9=910=|;N: M*,A.>@ (K?J47U@\$X< CW=7-1|A_XIK1/%X2|ME4K5KE3M
MP^%AV3+4DQ3BJ|0B Z;CB\$+X|S5%S2)_51&5.^4T2BI9RA85X8LET(D?%B#B
M2ER6!=76BDTQ7R:FTF&Q4JPD#?CI#&>DA(R8.NOA)C_|E(|<>S3U3D)1(\$ M^_) \$|K8R-
*S(Z<_'9L5E,7;5B#6_V81?|S;M|F3;-UFAK6K;)|U#|CB;IU^ MVJZ'ONPN%DA7U4YE_HE(< M|)E\$?
Q^-.8*U4T?>A'Z3K\$)-9E 542TD_M^)|
ME8|"@JUD_5*52P)*H090*;'XXIB#J=Z!).IA(FT2A9DQ%YU1L>2WP+4Z\$R);)L"ZT*|QP"NBJ'C|M8K9I
E-E8|UI M.>1_OUC.MXYAT%"S6Y>U(6_Y9O0?T.ZQ#RZ64JWFK0>EXG|0/Y9%O>W5ATT9 M.
(SLU|'"67MAQ4&)GFTC1L|)'+"V|HM6L;R/0EK)Z7VPIX(JEO\$+C|+\$ MO:CKQZ;I%PIE5
PI\$.J8|.V9U4J\$=RI9B-YQV*_D0O?U(A9M=Q4'|TG\$A#H3 M|DP|Q1XY^L)CG^5?OABFMI#TY6?

3)J#00U_B=XDK4\$00B6Z)56A!_K70'H;# M>K_11P7"=^%_AEQ8Z!9U/_*G!_?#3KW1:V9^U:AG?
HJ5>UZOSU<^Z9/M#.^ M.S@_@O;_GK1/\$CSSJQ=04_65XJ!/%@_Y@Q656M%OBFFVNV3LYB7;4 0?%
M?*G3=(D,\$Z>BT!+LI>!MIJL5G99D+T5NKKN63C%?PF4S;?IA#FM6-9;T>S1 MW'R_7=%L2?
92Y.8&"9KJHEM4KGD_8RS+;5C19UGV40"6^YV*/DNREP(WUVJN MEZFFZ-
J.^6RERG^M(_@3A:G6Q!7:90!YMNKKH_O'&FK%T+(G M#TE158/<^#E1!1DQ!IA
M,>!!A'\$WM30^)."WH^22H!4OZB,.*AT3)Q5A>T"8;>#;IC>+!F@#QH@FH5%U M-K9A%7T"&Z?
_T#Y0/O.J:M@XE\$LNDYK2'5L1!Q6N+*7[R"7>3*5F@A;.*6. MMACIE/UB,33ZJHZNY2.ENHIUL2NM;%
<08-FLX0=G1EFRVH?)IB++>?87,|MF|^?%"_BC1OP73BIDS)_P_QTPSZ_'6ZIBVU_Q3;2@V-
X22VS,9L?Y.Z.R*G7 M*&G#<-&.^*6-T_V7"/?MS|#JCW!/0*VA'5.AWF:9K_1U"[KV@_!Y;:C?I3 M@I?
JQF\$>YAX3WAIKV@/I!?*RWV/AE6*=2S%NKV;%.O>;Z18PRDGIP Y%|CB M9S\$NJU!"ZIOG7<=
(%C^ES??X!Z3L4N://W|Y9_?+Q|>M-O1^3|&=Q?:Y?7# MY=WMW=7|I79^|^-V=/U;71|H=W_!?
7^ZN)J='=U>;A:SP3-TMZ^LO_?WJ MZ|6#=#G5|:ZNV5ZQ^T-
(F^S7NJUB69.K/^ ^VVS0)O^QTZBT|2:DVU:OW M^KL!5+!/>.*Y/+|V=|UKO-
8J=;O|PZL+=4JVTW:W/ERN?U5.WVT#?'7SB/=O M+*?#<&X:AL5VS0X'F|AA@Q<-
H_4:LL'-3M#;H|>;><|&=>*=^D;G/XJ8:S? M26,|I-I-N",XO^#E<&:-
O\$B:W/U!043X#JA8|/J8CYF|+6|L\$5!O23C2R7)!
M4V9IML_K04H3|K)8>;>M!RP"W7@2N@2J#BH+!KIUX!=C|\$_!|6(%V|SB+ MCN,+\$.40\$+X|
@"/R;^R+ZK!0WS-G8N/PD!9JYR6.E/AK5Q+N2+9,|I?>)|_ M?7I^?
J|#/NN/SM.GD3N9F4_,^|2,1|W|9.B^ JG9ZW2|P!8GV"!I8D.UFJ|OL MMGN#=#K WR1@.X\$.#_6HUZS,?
2/2>+70W:F9^87J^:XX#^F#TZ#+1B(!,OGL MUHQA<|UN#=#5>FB)&,S!%E.)41BG.Y&+
<#;G#0U_I(|6_, "BA|4<+% MGM"|;+0_./W'V|_ ^V8 "Z|!|G<&
|0HTI90590/*M?/\$T\$S5NIRO%5\$B#NB8 MK7IK=W=2J0('K0JTN"!I C0!H!IV 5NE D@B"4>POU0
=YSA1) O|F3OK!| M27|!+I387Y Y|Z#0#Z@T|66R|;N=^_U'T=M*ZD;OFF;H=+W4LQQU4VU'R9
MU5V)W\$KD5B+WA3RY|R|/_6Y\$|NM<;R5RRR|RNUSDWC'=TBZISV(E==^<0"NI
M^QY/WZ|WW^6YWXW4?9WKK:1N^:5NCTO='SJV5*6I\$,RE@MC*N5S)W\$KFOB93 M|KW+<|;F?
LZUUO)W/+ +W#Z7N>K|J@E#,_N40#?|F<5P2M#RC7^ MS??O_W|Y_K<-HXD|!%-5.|ZVQ9,L&GE-
RE2K&5C3.VXY,|S>?4I \$6=Q0 MD|;/6)J_ AH :3TLV9*M_-I+'N(+ (G^=;.;W>?
(8"VEL>X,|K3LMS8,WL|K M10;O#X,VW6JU*6FY=#*&:-NB9K4;Z;P.%.F;|2%I52%94A@?07O/XGL?3
M+UF(T5(TY8SQ9T?6?V;7M*ZC|!%K'1*F@,/(.16+U|JDI G D3O-GVQ=|\$_M!'Y1FQ9A+Z)?
\$9QI6H9:68M=36R6DNIK3NKUQ@??4#|!A%\$3%=)GZ/E= 4Y MC9P><|H|7:HQ<">L91?
VO,TC|K(72TEL,|F9VD;|G;^_IOQQ'Y'+6S!'Z|JT(Y M BP@@Z |ONA+%
(@O+E&7J5*Z^2'57C28\$=PZ@UM/(@_F)7#I>E, #|8WX50A^ MO/4UFCB*1KXCW|&R
M_C@KG8X7|YB." \$^@?7S6;R_PN9>R'GT4B.2\$HKXKCA841%"MFR0|V:??J.#_E08N|W?A|
M43FLF<(HW'-D,;84Q97JYK:QTK*J+5O|WA)C"F|D,0%B8MLU5P!1WF!LX\$LM I+XP0'OD)!?'W\$&-
X>G"+|P,."D"A.2|%24/\$|HK9|L|WCG0PP71/G;.*J& MQ0'-9T2TCKT'1.MI+|;T47!WS "6;IP)/"L;9QU5-
H4IF;30INJ5!RW,J5- M46H:EBMB^ S'KDR6_F##Q9E0E0#+DY^ ^1H&:'Q|@|O%L&_"J25KR4J|)/
|;2|_R.2%>4ER8WP);R51_%;!PDNF()D_3Z+1T_='/L#;(J&4MN> M\$983?
B|2=QSTNMF+,?)=:%UKYGP0,;)>(:FNAIWP|+,R/|VD'Y=Y:D?G>T M>%0VA59SW|G?-
S|O_J=QUN5SR|;U9:7=MRNLQS*J;_#,-S&'Y|;L|G|&CA MCX^ZP%_X|,T>5-CX%^S-
_8*_U/^XJM_ =D=O: ^6^U MQ@6IW|S5&|>-RV;=G'^|QJW= _\$EJ-Q>D^?
NGYN7%9:UQ66_.^ ^+G=Y1:"WHJ M!21\$R267\$JGJ<_Y_.G6BU| MAB>F4&Y9Y
_9U<9QN'LZ>|>V7'HW'"&>=7?';'R8%W9^|9FZA3KM+G;|6D2;ZD5K0A.W>MHK/R
MDN24/%;Q66_5&TWZ>L51";G=|Y|LQ7SQ%DQ7,%4;O O&9-CFJRSY)(_E^7T
M|97D=SDB=;7\$ _%_LCI!%R")D#ZZ<|K|U6Q/(8DY|A&P.V:Q8^N7V5YU&PF|S00#CNNYM\$H|^&?
%=_|2|;=#A_0|_+A\$E|@5-|X| M_HSC?H"X0 M&_2|G69_P-LX&L";&ZT"9Q6:N84=_%B2!GF-O-9|
|M&O;,\$|A>1%|B)Y,2(:R?LZ|F(^>LW(2VW# M@/8"+=(>C M^\$=2>(:76;|6=_G*DC|TF-
3;_|G|P@Y_3%M TH9OB0GPY>2IZ1.5R5Z|)VA>
MWT|)%2P=9G&1,|9|U^T6J,"S9NDW<@DSG;@&6'03IQW|Y#VNM->QHKZHPN M9!=H
M(8G^7|T@J2YI6J+Q5>|T+'4&W"X/ H|3\$51F!CS.'= M+F^+E,\$3J|2F+)|D'Y(4 UE*1)4QWY/3|I*,?
V/E*HR=6-H6;%K|C"DVMZ
MU%8,M:@GO";#R@|%SAE3|H(G|,+4\$B5|MPF=\$4%5'W3J/U#7/OR,C*"5DN1BZ#5L=|J3X!T'+77UMJ2;
MN|>0-5|'V4|(680L0O:@%@SWK=^:0!9K2^L&6;4;:(O&>Q5ER;4(VZ+,|A M-6
;^XVQ7!^!H|0HJK\$A4)"J:K<_EI;+FD0M|;F,5^G,6KNW(3CE=V
M3>=OQ2KO;D&0Y.E43P2|9OE;|U760L,A8MT:5WOETSEFL!W3 G.7#DE49 MPO&8MZ>-
R1R7Q9%9|W%'X\$SK2Z|N^3M^8_N6?;5_ |5BFLZ'3:HG&IYV/!+> MODV/ARSAW|3IT:95QS|K6-
1P1"TFQ:Y=SOPD68QC|Y@|*V=1J#RJ,1!5;7)
MZ735S\$%W/4X^L5"R00S1GU!|@USS(A"MW|FPR>VKHJU;->N2J103M^B\$IS?37NDF0T&@"
M78'=4V!O^L/C|;M;_F?|;B'8\$>SZ|=|>4FC*OO7|9;"?I6+K7"\$*X(^BB?E|
M;+/L.? "L0:ORF+Y74N@G_# @=|>_IS)"UM1FD;J|;X\$M9*HB!+%U|RA9TD MZ_ =9/'HZK-L?0U,TE-
K.C+R<^+,7C|^*>UYJQ9S|*+\$NM/8|'Q|8*!&?T41/ M^WY8FAG9UP|*OP\$+?
G>T>%0V!6MSW|6)YQN8:Q_ ^EV^VQ7/HJ55M>VG"IS
MG(H,|P',9<7OWNB>JSPH<*M#Z"!)7F#S%Y^3;9?%JO&"8| ^|K|P3#QK|@ M; ^X7_ *7^QU7|
|HI9/4KNY(C.W?/S4O M+RYKC;
M|J|_Y:UTA6+VF3;H+9Y>|8HM^QZZQDH6@:E?"UMJ|9=8|7>;7Z<"AWHIZU
MB3KE*GW^5DO: ^.MUW*|J;|5=%9>DIR2Q|K;>ZOJ;-+7ZXY*R.VF|^|/F % MMT:D(2*)>-
CFJZP/Y9(_E^709P+*H-|A1>L:D3J2HF1955N,A%LN#ZS8NT# MMU&%0?|_*J(P# MNYE)?
Y*|PZ%=_S=,.)7?;|)_PD1ZQ>|9R9MPS M-KIGT#VC7^_M+>UHVK=^:Q-W@0G)=\$;

IVA@N\$JE8)CT+4W@4M2S/&IK? ? E M2Q&^+IK!EX;+URP\$;K*4!A/3G=;f/I;KI(=RWE0.YTUH/?
4I+J;-&.F='T M1+ME4.K.*H*L^%5#6-8D6@W%=IOX#\$KH#W/S\$M5C9E/9KO8O\$V/)#PEQYNR;
ML)'P6LIZW0FO9UJW:::UM(C'M&Z(^"G\$Y/;fW0-JCX_7L*[96J8::,CX9'P MFMKPFA
>\$KI2GBS6K&K.>&KEE&=7I^7A!^5/OLO^6Y%?J0\$VH?\$.=LOED MG;Z"C-
=2VB/C=>SWE,PZ6L17\$?%:(MXV;-P;(5XRW&MRI#2R87ZG/%->#P@
M>!G(3/2\$=U6FY8,@O5VVGWKDRXAZ+86^JJC7<|^J>OZ6MY3 X&/P)_K11 M?I?SXV/G_1/_O(>+I
fKUWM=37N=>(AE Y#WT/RWIO?QHRQ>TE5_L,!WGACX M500^E^WF/K_6^/5LGX&.5 @3^
/'=&:_JLD4+#!WE5G>6Q1YC/S7K_?; MVF*!;_W6B?>8O
!YAUf=J#OWOM@P/EO5,VGM0SL)'WR'O!>JIKI2*=>(_Y M)#WT/SW9B+VED^/= [#\$=V>)/R#QD?
@;fE/7\$D;+;\$!^+&#TSBGD1(W=&8F(1 MH_W6,K"(\$18Q*AZ,18RPB-
\$6QPF+&&W.HEZKZ,0B1B_W'HL881\$C+&*\$18R. M;5"QB!\$6,3JPH=6AB!'%4@?/N9ZR_2I&-
\$^PT.#W?I*J1Y*&.\$U':OU/IGIP6YY2*=[_+E@+M/JZWCVA0GHEC"0#-DJW/23S2>&F?
M=GH#7DHRH6K/H>"QK(H%, "% 2N#*"9.&=:;#&.0G,-TM6K=G04AA;EE4R M39,:>K)(U^T-%
fRM8A^\$&0 0HX7PEAD0#,(CZ,=J>%6SWA71CM6J/=>#ZT2 M':-74D_S<1#*@E=V3>=OI E-
AQZ=DVO0)E@:Q2,1UR&_1&K+Q/ /_+=9!T8\$S\DA5?'*E,1C2I6_XH5FC#%T1+^8AE/BT/QR/>\$ M2-
V_4OJ=-/T OA_0T<=CPBAQ/,@@J*G+W1LUVS8E;4X/8U/3,_^I*6 M/09\!R4PT0L>(
%!A^JDEI+>&3\$A?E*R;6\!\$AY/;@_XGR>LST.Q9B"<-C%/ M4FG3?65AQF*X+E^0??
=/5.BU5.WT5NBW)GSWK>/%_+>,HW;(P/O=77DU>U= MD)6:>T/6YQOXYI (DXK&FY4S80_80%633D
5KA\!\$Y#5I/)JCLQFZ7ME,K/ MUF\9P^ X%6L/H>CVK?NZIF2^9B.B,C?0XX4EYF;<3UYN.(30-
"4OJY*7WA L MT2?(5+RL"5M2Q/N+/5ODT?&.&\$6.O@JCKF-Y>G9?USQ(LDJQ*3EJ'BI'=Y?S
M<'=&I_80M43C;5- E;J4%:@;(S.-@)(I_C/HB9"0%=OHZB%E(4*8H418JN3%#J'G5\$(IQ=W!>N
M&4D?4IE81K7BG76JMNT:1D>\$&=DO^CU%.OZ8_1=EP-!5%-Z7IGC.
A5HU(UB4A_R=B9/^M;M^FT>)/HSE1HE:GXZJVDI8;4'JYZNTHE< MJY6C3KH";QCW>^L%5\ P/9-
ZU!'="PXJSV01>J_4;L4>=%OOX+X_KI,K/5 MQ=;,"3 OBOW.PDSE8;+RK*%9JKF'U/!<#P._=JWD;
L#fT/8G;B5CN/IV#DV M3-V*Y;E@F%;@QTF/M\$A1=A.%I?_)X%UU_<<,(4MCW!SW2<>%1W..*:K8Z/
MU/;TO(E^*LO2.78X;D?I0SCN#1PGLWD;JED/IB+),,H"/G/+_9'XZ>MR/HE!Y M+HZ3.1
fNA=#I^Q'8FG\$;C@Y%4NU93\$/*G+*!'-B?;D8_)4,#T1(>fH=T_ M^f;O1V328/ J20UDIM;,(P6DJ%"BJ
*D+Q0WFT\$\$(4(8H0Q459A.@8HKO+ M1H11MSM+150QC*D)JV>#@_ ^'_O=\$)F=F)
<\$_N0VT2)AP*X/P%&MS2(1=2>B
M2RMZ1fJ;E9^S8(1H7/(RDS.S,"H8/Y@Q""@#:GZIZ)>DJ&9U'QC0^%G/*L MKI;2KIX?/-&(X*3>47"
(C5?0N9FYXM"HJ;7"i^#AWFW*Q*/@O\$Y56&1Y/%U MNJ?CID;I?I24PMJf04Tf/@Z/&(;VT1-X=TF)D;#
f1V#fF X5:@ T8/ ^=/L8) M_1/Z;3(;)H1/1#fJUWN1T6Tf/K%fZ/E.?-Q=Lj%6E*91'Q&Y,T0ZAF.K3 FF
M)/@H;?FBA;K,II/%QNFxf*>;6=JGC@>X8@RN?KT7QJ>>.?S&\$L \>KAB#B+M MR5J=(>MG/Tf M)R-
f5IB21AS*R/X\$;RXZHO@?1fNfM:A.#=62!O57Y9/*P5 M9%R(!,S^V%LTDQL4M6Vf>2%
MMK%)174SM415/6).fB/ \$&)R9_8ID-(T7)%fWK;.,1NQ&+YR:P"@R_>&PF^/ M1+3F;V!9O;
K2S30?.fHO/fJK-3HMFVf#T1(BNZ"P""X^>G+O+/H3DW*V!>C..%K+fD)\$@(
MV=U"UO;.&S+SC,V%*O!33^ %T5N.?M!fJ;DY?TBO=%)fP&J*&Q7/4UM-5VS'Q5+7.9">IZEK!7P0A;
M'T43/_O89MESXfF#*/&E(fMYP(0OZL.#WTEf^7.F+U1f2fX;XTM8*XF""%U
MR91P3f)^Gf6Cf.Z_3\$T)9IM;T9@3OS9B)=?Q3TOM6*0U26PAWCfG@4/;)2(MSVBBIWT_+V;
f&L'Y=f9DOK=T>)1V102S7UGfO.-S)GfHfHUN%WQf*Y9;75M MR^DRSZF8-C,,SV',Y=7OWBf?
f3L\$+:KB.J%KS/YRL_)MfOB>WCf,-?5^8) MAHU_P=[<+A+_8^K^MT=N.V= U9K7)#ZS5Vf<=NX;-
f)^?;?KVfK-GZ1V;f+WY^1ZFUH*=2L(R%0@SC7X(>fVR0V?%/SYT_04GM%f M/Y3MEA=fR&^?
2Q(Q268EJGB>.fS/GVJfUf!F>F\$*Y/9_)f)=91B'fLZ>_>V7' MH7./&.55?WM8DZY2f/ E9+&M)+*D8;RM"
f5M%9>4ER2Af_5?J&A>JCF;f/6ZX^-. MW1WT'JS)*fX(@O*.<(XVQ*93'K;Y*fHLPN>3/93GTF8_RZ'=
(T?J#&f&Z4F+^ MJQ6??;S)Q%KV^LR*M0_4+B=-/E#D@B?MV)<%@+8W4OEFQJ9T<fOEKV7M^D8N/
M(QGf;f9XV(fHKW6Gf%T.&!OH>@MCIOP3Y'OI%3K"#f3f!31BFA%M&(40.9H MQ7S6&J)51NA1-
T>K->P_ ^/=VS#M^6O"U2"fVDY?^Y"PFY_+H@DUG3^8+8?TH MO%fB@fFI3%9V)
<+XXD36.QS!53%/HU/Rf?8ZBN_APSB712H^L?#f';DIUfHR MfJ_6Z?NA#_AFBOEQU.9)H@+U1?
M\$A/UY5)HY;>*8G_JMZ5LN.fWICZY^O5> MT%_GJO0?+F;9;P"/fRfRY3_Y)_M^3WZ_*CNCLRK9<,Zf
(Z3&fR(f*(WHL? M\$)f+BIWX82E=0H4B(J;=fLA>TNf7L/=K=fJf#<4<-W=fYf'R.HD+fX*fE%f6%
MY2VVG)?*"fSRO"ICQXIY.XV6Y^f_)8>2SI>J*OCMP&XfM9Y(.>A?1%NU?' MWNNf)5UF6I2IO&
<6A8^+O)C*6W?L6J5HD,2L/S_-G.9CM3/%fR_#9(&'#Af MS%=JSfJ7BG!\$.&K8>WT7A36!
(R;PUAV.=FF0f4F/Q7R0P>4LX>P^5G"fS5*9 M#0T0FfJZFA3MFHY(Z;fY0D"N_f.)0-B_6%Sf3,XCX8(-
M.)8308!#SM1%@-S88*H#*@L(f>fW0MAM.f'Q4W(R2"*Q=&\$f/'#^ 4:G61, MU<%fV/LL4/E3FZ7?
R&7*^f0UZ\$GKW0DUWfWfX/f^f0XPCQO7KO<"XGKEC-,X M9A/7%..4>KEKU^X-
^#&MfO\TO+;O+BXCHQ>7"UfKRfCQf/_ ^\$&+.<2UfZTC M0#L3fK40,5f(7Z2OEKT7f-
U.B,V^f5PC^FYIXS?2=Z_H:TOZ5G/Z>L_f"3@+ M.T7-R+R*QT0UR49137+D)6Q;3AYf"TO8;?BRF_?
4+O'.UG DU.2OZU\$W>f5_M;fSLW8GS3EZ.RfZXf(U*08&
f3@XfZWG33Y(E5;@*+EVQ\$HfYMO27BFH#f!-M<>fFUDKX?f)
<*7@TG@4PUf'QOUH.9O2f) f+,UP,>BWK-T000^P M0\$/'CDZ8f13A&F/_>fP.H=)ROf8BU
8Gf!%4f9%T(K8Z,?SA=&O%fJf;C-=ZWGNND6f6-9VT\$6H;EDM!&f&-
M2L4fXUW3,"SfXSO(f2^1%f!IC;MBXSG"35GO!f+JA*?HCB.'H0:08X_(f/ M8Af&L'M'?9**fN;
9OGW0.H:<(E2-B;5D)E#&f_#3E=4fJ.fJPT5C&?0L/? M%#U3PCP5AD>L-6f&-M0:'K6&f%K?
7T0"PX/LSHY@7?*_B\$PL^+f?>@<6?,>f"6#L> f%GS?XCAA MP??
-95U=J^C\$@NfOJQX+OF/=RSXC@7?CVU0L> f%GP_L*5HN#fEO8=HQ?G M(+PX>3F=.WA
'ORfCAQTY* C1VM'CIX=UR>4 f-'"H&(#.25\$4Y7#f).?#@& MK13#fX@f"Q?%+f3.Y4f/^36U#&VZ-
)CJUUV*MfNfO;_-^2@_fW7RNFZ7S8f!+;@ MX6G'(Vf-Wf)_P/+6f'+Mf/7Z@)KN4S'K8_Bf;.Z@&\$_!;R

L+84/8TB8C,B MPIJ5\$>=1F,@L'EUR"1<,Q\$H'+?;!_T\$/CV9Z:L%JAFIM=M1%J9"5_OLQWV4
M%@"IGI44&()_J)BB5 XTS)_ ^7@;/8 !!X*CEJ91/(1.?#=#I")7(%1*!=, M\$W@?
+,UBL4'NGFITHJ&IQV/M+ HZA4*R| K|H\$|U"C'\$71EDFK1 1LSV? M=TE|R-
N9=%Q|Z\1D|J3:2ZR@*L8*VJQ\$J'V"5,YN"8..)V2^AWN*41,\$VX8 M^ZDP<>K#=#D\|D'P-
=12HTM&K9TFV29S9%G06ET M2"),.?;04,I>30I_|D(5M
MGP4HA8|EM",20BB# #ED&+2F"GBI",N1C"?%\$*TH&_5YNEL_+A%J.H<1+)QK,
MY@T#L20>JRZH&NZCN&)QBx4*7T;|F"WY9+*- Q32B<;I1-*I_G2J8J%CO|5 M.JVG4%/5H;0HD-
1\$:4=L(<6:_|X=#_ |&\$B%U&G4_HNV/M65;/GRIKEC;.ZBYY=R"S?YOT^-*W(9)JFHS_?2OYV)
M".U'(WC=PZ+A:<1&+WM3>' ^I|2\$@M##,6D_87A3-%)*|(T2\$>X)THUA>
MTO43Z;.\$9B30,JCCXMW8:B>5%1/AW86G4X?9N\$;ODKEKURVQENMI#F|B,G1UB,BZ(@3&_C?
9AB9G M<>@GO16:G7^+(O_3XKS!>9)G|9,OMVJ):2421^|H';. 2BPWB|4BYDA6C\$Q\$
MZ%%7C8"LD*0@T_<3J;\$EV6_0J+*203 BV0!^BT7YZ_2NAP|U,")15X4LB8 ! M/X1|2V5.|@).30:|+
<.;@BB|+Z4B#5""MU(21BF0:?):\$7%1<-Y#SV_W9#/#2
M"!XJLOID:LL,HL;9%G:BV+H>D=E^)'Q\$Z03P2%Q8SYLTH M&?7E7?V:4+
<|H60T57+S.6.2M^V%"4\$W,/N7G TW4<@7MWN;.23W)UU^=2:F M9R:%^)+?
N=APMODD^P>53W_G;=E@ZOR%+^*C3+:|7#|ZI<3?3E/Q-R_=5:|
M^|TQFV'_:2#VXE@9,7' V1^+.&?Y^:."%"FEM!J7/267Y?Q0QT>P#|3@9:
M19MEB22YG|Q:82Z#J3#Z|X4ANX?WDE^N#;.F.W|ZO9Z
M"CL<|+QH\$;9_XV4V@OV:>SY(Q<"ZN<7(^ ^J_YKO=Q|?>U2<|G?7"/|V>_
M#\$OY^N:JNF>LB)VV=5J|,*@%|H|O_13ZVUZB3>.,B/_KMIETH_J=(B_U/HSB MBOU9L'7R
'MR+|RXDB6|T|DSWT2^_?9'04&^?2:U MN|MOC9OZGT=J*?|V|^T/4KNZ(K?U1O;/39-
|^I/V#"/O2B9#++\$AL,(N%61M\$#W*=.??33'B*Q*R&HY\$O#.)V7E* MOD:|D'PNBOCS+\$C_DF=>L|)
C5J8MO|B/TZESR@-5|= %>@2U," 7"!& MN|A2>!1\$H1:950L/57.@'R/93).RBL|CL3_2">/4E\$"V
L0K76H\$X55^?W MF%EG\$#=#X7&L8NRU.I5.A-2)B&:P| HK*,^&^73_NR_|Y|0;|N7SA7N|P3#.
M&2(Y0JWY4S_#T:EST;0>.G(\$ZL8^<)%P|JY6*CXZ<=IQF5KHNZ+:Q\$'.AM> M6C=:VI?
7B^:_HJE*FH>UA&31LF?O6^G#_6V4NZ\$EI/TK7=0L8+7#
M;.:^|H/^=GP9|N9I8Q|C|126K9GRDU'DY>N=-M<+6:4WOXE&O&+8|^4Y66)X!
M!30*_4AHIS=PES5,F3AZ4|V7S|LFRFDN>2P/_K|H|F\$KH 9:D-;J>T|28,
MRB=GKT,.K3:HSQ;UWR1MZQX2*Y-U&| P7?|@N^OY)ZZYZM6FM|MMRR-?!=,A;=R)
(D0O\$G7+K,C^\$N**O01'W|PLD&9ICF(QO/ T:N0/ZS.)V(MM!88CTNNZ'\$0HGU=HFU|@FFM< 2-
0U#1NIEF+M9"J7I? 2KB?K26C4RH+J*Z MB.KB>#?!VB>8UO;M)Y|VQ Y|4+^OV0|C-5!@H8_% =SR
M2YG<1,D|W/B) @L%UIHCJZ'-D|7UK<^VDNCWARMXO55W?3CJ1-/J?,'X|_|!^*, A*/&9|_
|K^*;B=LON#^9:H|!V.WJ;_TE_Y M3P='='Q/WGTX,/'MO'|X|>|G|@'|QW'P_N?YS|M'|T1/??
MWM/!_8=W9/#V?O|@V'/# 1FV|R1T?\$.WAW=CP70I^BGR)W2&7& M3#ZZ2GZ M96|:Q_?_
7K|'^?Q|V7CXBO')ZX,W;_9?_|^7RUO1=\$^U#?SPVU+KIWL>I.T/ M7^//R2B:./IG"ZUAK|?
N6SV&AG=?W.XG|9#*X#7#^,8A*Z&5POYH-X,:=1
M=1_X^37^C'@.!:F|!SFFK.>^ONN;P9O|P<\$2D5Z<=2M2>/1;_KCGD#CF_GT2 MTW/0|"D=DR2
+DGXKX0\$ _MBG'IA/0-% EAH4?HX)G|XBLQH-">N1GZ_ L-Q
M4*'^.;YX|(2E7F,2W0LJ(QZ+;GN.5/XE9B'XE=?6E#09,.59%1V07_&J3|!OAI */J<+|S#?GX M:\$=#VF|_
&BJ-NTXINH|B|VA=,K+AV9H,U;_5&=5CUE 7:0=4PE\$;A!%U7TW8 MPVN7)6',%R:#H:I+^D>;8;_ \$S*_
^&|OI<_Q'9YS4|=K@3)OC/RIPDC!DL>B/ M7|2W^=P/QTO^@|\$X5GY*|P-
'>S=VGI4@O=-L>/'U^+7V&B%YT)=SD+:/C MUW/.YI3'/HV*RYX
..5T#+WG=)!..U'..7T%A*0M2O"7!SW^# AH!.N\$8/NM#@I?/MDJ MW|#% M38(N)H =
|^!WO_ =^V3MAL&?D0E0A|^ WEQ4:J.\$RKOM"C %F5O@KV_\$ ^P| M@WQ_/W!\$3P>
|_OQZM<,*J"2BWG7XJ_CWZKA6G563AHXKPC'NMSR2*KNICZD0 M&T0|3#P_O@CQ_",H,9|PJ8M6T ?
+@A8_G*\$+9+W"0LC%O@>GB5O@0EQ=HC8 M^(SP\$,Z@D9&%;T
TZ/_COZ.#_2,T_*RGL/P<8OY#Y+"QDP+=J2B3|Y_|/2CI MS_V=FC:CIA,V|:F-
(S|!WH1@D;_E@US:%K%'9@K;@F^(Q%LJ1*/28_ ^|LI MI7;,>7"YKU9!ATT*4K <"6RGC#@:\$OY<36GL
YWK;&89D%9;_|W5Y/RP!|N? M6ZJVL:F+1-/S@#VNLZ?(86B5==1BT@.HC@'|4U,NXG5&F0% K0+?
=5'@:MR5 MY'_,.?;E 4>Y='9OQ(_7JRAS I@6D6^-U=D\$?Q_ A+!3H454N|K<.H@:Y7I
M83WE;O%X07Z@_&GCR3T;I9C/_jL.?A/X8)!&0U 3G)!EF\$+2:NE@54LY(#&'<Q:X9N"
|@CP6Z0ZL3X? M\$^B-7B :1L935W5'K6(.2|,7 AH(2\$X1U|8IX8X|T8B%+?SOJSVT8G|;FK40
M@@/SU1;Z;8O^H%.;\$S|PD7E5+ZWM-MZM;J.P9P5XC@3H\$A?1|+<;0;\$P/A:FH'N6LV;ZD9QK=*
M,W|NC@2T"#8O(*!N M=>+?!W0(4X91W*BIMU8GI=-Y"DWH(X?G2(!;D)1SXO/?29"8K"1Y6YW WY>.
MW-C7\$9VW2;A^"#L7GP07811SD4AC8NJ5W;0B+YVR,S!_ #8|' MA<9:29=.RGGG+1)OIX!)A|#
(^ ^KS|_&ZYG)Y 1Y3?3@DWF;RK>FE%7SH# M Y3L^L '\$< VB+A7P*@B:#AA(FI-
@W1;0;_B!_VF_FQZ1QO:D>KH-)A.8?| MH|,\$^4>QU2D WR*E?4H(O)V%,A7PO0H_.9 C&|#\$S0W%^KI-
(9.H>G|_+\$+=(M,W+RA@TX|3;.:LYJ#ZWT2^=D%5+0&R1N%L'/C<95#4,KAX=[9>VMAV#J|X/
MZ;^V^H+.)R3T_YTN-BKO_/| @%&!,S;_3@QY1L(=@6.QD?|P*(UA+_.NXCU
M1V<)KPQ:%3"C@>1GHD+2Q0|2_3:91#F;.JSHVJY:|94WAN4X_#8JHSJN;JR0 MQNY:I93#7-
7|^6U4C&%LW5A3|>|H55?;_+>)V&^C/JLC|.8S7U-WK;9*IX"Z
M./XV:F8E.F|^|U7VT^JB="8HQ?:W40D5X7HAA&Z1?ME5JXI2N*PRW*_4L4W: M:(K;&X|/
R!:#96"9JH4@&TN@%K3Y@5LHJJ0_PMM*6# MH556R;/1F"RPC8JJB/L,*TH/OZNHDN>A.8-
@&S65I0<8ZV6UAU8+)0|"GE:P
ME1*O2!0P%WY|9ZT>2DZ#RER#;51)G@I@K(A2%ZWXRFR&8AME'DYJ:#=D;ZJ
MJU8'UO8JA7A'A^H.:7 M9=;'H=|M8-N@!75 E=;F>LO=&#B27&R;\$NPHBIT"R>C%
MQS4_I3H+>_T@"/_G5AIL.6B_GMT"OROPM:0|F+4I4!4#&Y;+>JU)?K.46I

MA),;&B5'!(TYF\D4SP0^JE\A)A/&+VATBK>*/4C_YKA=Q0!#E+@Y"0X.0V\I
M\2QHN:\$N"UT_1%6658TFUS&.EBBT1E'R(E4;Q3):L534FLG.%J2B'FB8T/O% M)XK)._JH\0"?
RPG08U0+7Z+KFMZO0M\$#GW"R='Y4A<6ZG@F@20I:\MMXJM M06J56_*U>61E7X1>'.*S;2
C_UX24#9&&.UF"=NG""8XX8N\(\A+/\N^KIJ-M\$6B57LZCJ55ZBA3G\R6T3HYW9P29CCHX\$
P!;95:|>JY31G<*U)(Y7ZYH7/'9)*Y^#1Z=,:PMN0_&D/!>8,,E_1GI&%G M'O5JJ_>V?07\$.3M1O-
!X2F&N_8NZ6)!; KB^#|3USA:|@.>A2VM^)<|@2_K M= (BR4\G(QH)?
IC1G8&K\$#XSF;K;>,:|3U9\$C>)V%AIZMW^&G!H;6FMXH68 MOR)P.Q(Y3FCJCL3.
(C8\6)"V\A2@N_%F;&JC5&JMLN3U?.X9#O_)2,|I|=N MKFD\G&\$4*D('Y"3T_TT\ID\!(N6_*?
GC"9O=^2#U1N:'F 8W^_ _|ITZ8UYI*W MMNW1_::
(BF@GIUJ8)!KNDEGZZ\62M*NR%0U/B.Q.N.Y.1I@V\I83&XL8)X3X) M,/U)7.CV&:_%.*Q+58=<)7XX=-
UD)N84\QITPY>>.T(0RM:0I6RZW,P\$ _GPL M: ?\$>MKJ.C#H* ZSSH61 X.DP*4CV%QYF4H RT:8
MY'7U&NAN^_39GIR2*DP\$7Y-OV"VX\NA56ORI>!' M\JR9?G-
YW1K\1HR^8P!4+O\Z634K*!XA_GL"NI@POO@#U.. '11/Z\,.1C;O3
M1?|^D8V1J#704BBHK5MER22!\L'75|>O*DT^M=7\A?R7D_+A2\$9633QC9F?=
M\;9S,B7AA,)).+.,!+Y2@*M6\5I?T@0:_%^\$#C6110+DKKC&S_J?Q#=&GM>MU
MPV""MR""TRR2#O:NZ#^ _|' KLW_W7H%)C(=N2-V(W;9O\|>X(GU#L(+I#N2-IW=MS9
MCL^BV)_A NX\B4%MZJ=H1\9BINC=- WO::UMW=A=1HHW31=O\D&UC6U M?
JG0FESYZD"IR56_M8L&F%T+3\DSLJ=Z65:F\T#MJ!4_#I*X#0.+7")7|>:
MM("U!E*^:U"C5MB+*&2RB9.BDUZ)G:*SQ23-A39V\XK!CHT5.G:+?Q>Z\7
MJMZ\T.92"F..5AE"BG@K;6"EL:.(LP<_M\J_1YC;JG5E<1V@'4:MF@A">& M6\46YP>%YY_"^2+;
{02:IO"?^N,OY31T:7L,XT=*T7\A|?;<>I3+2NU)S/CB M(@2%8D3^!H91V)Z=02|
<)>NFGSO:P*4*T=E2^!5\A1X5IHD"?HP@40CSA_U\4 M.AF9CJ13\|%V1++&ES6C-/^\,L=.%PT\$K?)?+N
JY6_WN79%QE_!\#D((83O MH\0N96>-
-4+3;>|=R>59L;T,A1ALH\R4YDZ7N!=BH8RTG%*8U3CUH(D,Q&%!
MT_S;I4_N_:#M\|<,^T6FMH>22K+*&G 8QERN,PC14_%'47"U^+|'R,YD)5*6Y M@HC\T T2#Y,2X-
CMX7FYC\38S=.:@.:^2)|3*O.HJFA#*74RR571M\MPU>Q3 M,T\F_' '\$O;C\$UB6%|'9?R3<0P/N-
0CB\J\|777"HK6/Q'>U.IY)\52@,KT%0D,U\0*|HBXNV;2%JM5RNS%NCY12-D^/Y462" M\Q0KU9!;
(NWZ"EJ4*|3G\|'C"U2B\Y ^N4KA0J,6V\ MKZ\.\$UGM0VZMV;\$QTC/
MB)11Q5^S^|QK^G7;@&MU;VQ0S/#YQ00%BZE\U3>0B|=1Z\H)W:-ZKVIL>U
MLZ<)Q=VY5^|P=4JN^2TUK_C/2@|L2!^WM\BKDU*D7|>9&DG<-|L(>FE;XQ: M
RGYP\$T,1'V*&2U8#KL+I_%W'R&GB?0D\$#14'@-H\Q\CT M-7D4W_G8<<&RDN0\Z"^
,:;U.0^F_EQRWO@;Z/0F<*DC_=Q\34+6^%.UM+ M,NP\|<^B@*Z/M8P\|
(=B9A@4DPWL%;TPJ<5LVEH(I&S?!IVYT\30HHYL-7Q3O\|
M4;1%JWV2^\$6\$^TOY\JM7QU5W=M%)8VO_ FWP\|&S#%MN04I+'OUQ.7P@^I=7F
M"O;Z.+0V40K)F=B\$PJUV X7TN\3\SB*Z:&OMN<(4R\XJ\+ *>7WDQH^<C3@; M^WA_88-;C';
(M#92"NX:K2;RP@Q2X2@R=LN*J;DT)<6/T\|&_"=-9 |'6C\$KQ
M2A,STB7LX|>=39G85%;183B\WTGH7;&08)Z=JN(N\Y/6#UR<|;5!P5:*RN% MT\$RLK%!/0M
FPNC2LN3\GOD,L.A-96V;Q*4D*L.XV MUS7:4EL751XL'^>RUD\68; ?TVB)3&LC;2-
YPD;4/|*%;5Y1%4XR@LK\LOE M98\4:*"C7^ _..MI"ZT#KS.)CVW#-W*C7%W=
G8L@'I+;0#64%5>_",O9^-\$\ MK3;4*71C#DVKX8K(30Y=EKPIP-|%;>IEGU\;2*N24W\7A1LBD2K\PJ-
M?+|>_"W(38\ZC'P0@L@N\CSKQX0_FIT\1H@6F2O5\$3\KR M?G%#YXS'>%"[I9-
V&X)>T6FMI.2338\$*"|D)2.?)@9,2D;_MDW6Y7S@Y)8XB M96,G#JM7X=B\(|#<?)?
_L7C=8!U2JIVY//4*K;|;?@)=FO M\DRG;'&ZW?KK4=ZSOK-5,N>+ZTI#;:E=3+@I5=*/@VUEW
M&)E!U*EOOUPHO:B^M%S'DOL\3C;/_=K\$6\|%3%GB41^@FCQ?%>_7#5CMMT78_ ^E(Z*5+^_<_<_<
MW0*7)=|A\|C0_HM5;R7\6H\?MGDVO;)P\|)\$Y\93P M%FIJZ*Q53\F\A4\|V95M^_<(>%NIE\$L_)N!8KP
!\$+A8"6>|>A4R:P5.*WB M2DZH\R\SA*"^6#>UM>B.I30K_4\A4"OP@I.@O\|L2\SP*L;WR<(Q7CC,0Q
MS%'T*RU+,FV1#|<10%KS*=-9G2HA+AE2D3B9\$9,P9@<14\AM9@EBG;&M"K*M-
N\|X."7S7NRJ\60;\VJG&6L:OV#U2(Z4KUVD;KDGNB"Y JL-\$IZ4(0:OG MDC-)
I=,RD%N_8UL1<;IE&G,V6_ZIL;T(+5J++F6*M28;?80SVJ#O\|MJ?W\|M%/U\$YG_'#A
(O).0R9I%Y_@PVD.OP5#RK\|<_C^U.N#HUO*8;HZ^0+S%<\$' M%&%=?* \QD3Q\$5\KG@?_3';
P#QG\9<|+N.!BSXD2P.S""?|UB;_D_LN>,:|'=+;GQ+)|Y MS ?XK^@GCY%Q_
OX#0'MO:X50^+Y<;\$&|E#Q5\MI;?O>F9%? #R8MIZ1\|0; M26KW*OM?U;R 'TY\|S
ORT644%=D;DR#*^&L+I@W7\K=|&3F&'^B\|'|>2Q8R%
M,)3Y0B^_.UB2HTQ)6""_GN7*MI;R\|0F,^D)%T76(?D',>"&^!Z3(W-IV MJ:H\Q\ANZ+:UX885^>
(&4S+4\|!'\$7_\$&@?(T\|SX+A/ N\|F!(1RF(@>?%>| MQ\|=T7@DJ/?=8QK""\OCYV,TZ-WY*E66IM#;*EI
6UX,25=2^N'RVH\|3|^ M&,6P1?Z^%E/V_ UCF\$00\$W\$+F97#/09@N\$'06&ZDP?#!+ZH&BQP
J@519\H M+)5B6GEFC+5I@4)@&00C,&CJU8JEL8^M\$PP?XN;_!D&M?T'M,%-8YQB
MT0LP3\(>LM/R&N\|W)K.YF,6_PFGMCIVH R\5RW_^(M<=|JZ742^P MK9-3EM9^/<|5>|SX
L,>CA+8Z9(^T"J+;2N@*V3T\$E HBAS/%Z/3\69&79< MDJGA4J)W:T&M"=|Z><|S2M4OHYN82-%:0.L
MT125<8NG\ QE(8Y \$LXEGLKAPR:|T M6\$Q,\$ENTW,>Z;RB%|8!:(IFLMO1YN=BUJ36T
&\$)UU453I>*6%VKLA6WR?U? M,+ #OF%2VL67T |XJ:9O\Q1?R%YST<7/1% M'G%9)D M)""@S-
NZ'W\Q@\$ _M'\$G3DXEN#)Y1;V(<)=H!'FE\MD,Q5@K1DY/<;M"/>6+0^?3Q6P.+)|4<=ZG; M#O:_
>%!= (N.F(I+MR8#8<-(GSF-H3_N\,R)9S#T+!|A: ^CX^PC^<^TW/?_Y
M6586^<|3<8K4TK#|\JYH4OYOLSE)5(?Y)(|QDDW/XB\N/
MT/L:\$OE@#|S6F"B,^=CHJ#|+ _!FPITDU\|1.'I3-|FJ".202%K'1M0GNIO:TY
MID.8WGV71&=ZB\|%5PQT>2)NKAD_1EUM& S#R'I(I'7QRE+S52\|S_)9.HNN/V(|;)"#4-40GRRGQ?
2T9GXUG6S@Z_.KT:LS=1P6M<_QFHV9,@UZVL#A M#9WX\$<;?03Q5

ITE)-3JSZBK#3Q^28+8%VZ'\$!^1*B2E-'HT-\$&_LK^FMS/M(F^(G3W-14)D"Y=//0A+5Z\$R"5WR?
#JC|@|Z|>J/UD*SSEC?=" +VE<2P! MB+NX"<=2!|F4V|H:4+(.OSE%X:_FTB745HJTWPI3,-
*IU3^%SU!-J2? MW2<| \$E"NQVD =2>YTI+;|A8JF|K P|G _M),+H;\$8-
V*AK;0,G9S/*|&+/X1_P_"S@5(:>MC T3 0N>-82,Z\$G=KF-O!R M\$<+1\$F=(12S;D7):_G8G-9O:-
+7|BZ%PRM?X V18^7&5O"1+:\$QDYD=Q9O* MQJG>UP!VNQLUDT-&#K'U _HT M|-
JQ5^IF(V IS9QBB9|V;#9!L ""G8Y72*C&?5I%D(MZT" T87YK|C2(2C6'R _=S5Y7>R85A!KA%\$;J-
^7MDC"- G7B4P|'\$-0R\$&7:V MP0P^T|> QO&(N-|(|YPB9IS/Z*2V,7!FX-|45|0K|NZP=;+(-*Y#L@7(9/I
MH|YET@32!ID,J|4VA\$:>WK-DVML&3L4S+<<?=%2P)X'W0B6AXO\B;*TSH
M!*V*_Z(|H1'G|6R'T|GH*8)Q7*,U)^(:#HT|H)1*%N#K= I^X6\$R9BH|%Q,2%\$W9?
1&MC:"O|L(1^D)PHV+,D>T MX=0+@:75Y\$|2M*9+_QL_"ECL)4|8?@J2 1?
SZF'A<_SM5|<3(&>%U&4",,: MMI2|XWGV7>77D(|3\$*L,E68QR5|:J#+ONQ)9!G3GQL|#;-
|B+Y3(0.UE. MZ81S C|FPF^#E!|(Q%2UM6(V8I%X|2EZL,IV/2,|A!DV7M2-D@1DMWX^HA
ME@03|VGT|Y"=S1:_P?P9>;ZH328+>^F><&26WMX'1_A63#26O+;_ARL3?^9!H?
CH|JCBHN1CJ^K|0|O%L M+?9-HJCNF"A@! K;Z?(<=&%@J=|39
M@Q^)|O4*'LNEF@"W=L)|Q=HIG0|\$3NZ*Q>%9!N/6O MX|RTN^7ZY1VK>>^KH.U'#;J2Q"
MWU79:>^7R?NRJ5ZQL%?3+|+|L|BG'ZE8*PL:"E|6?^5#2T(?|E^>FI^N?: M=-&(|G">^1 AZR32-
=EN"14BIE=|NH AJA^L^HYVGL:Z|ZZ:C(3+|1Z,,MP MK\$D1-WEANH"R=-
(R#@>|%+^ 4\$|V>#2_PUAH9JEZ9,PE>|Q;-P?5-G FR09/ MY^QRJ|_S,9E1=KV=F:GF=6QD?
FMNB)EUMV!-4/"LO'QX|)U3=%|/D|J^ MSYYSTDBEO!C6C<_TH-S*">%K^\$D(?
A(%_5R|I'O)200SXI&UV/1PAMO!E3I MYLO6@"Q>(J(T-B?=3QJF5OM;NEOC%9/+?&)
|F)*36N+UE|2B)W|X?X=>_?FE"RB\$8GBTT13E|&PLWU|O@-2 M/W;EL|:S#7S^3KB/-
&10OH:OK/82L<#W<_S)TY6L+2S^J90!UP%IV _UY4@= MPPN|S+YDU0#Y|R8R@|6S'^ O6W#IGA;O
>_+LGAG?C|K0VH-D%^JR I>3|'S M4H\$N8\$X|'ZKE|%A&|:|H@L72|WHD)?
%_|=|F5@%HJ*=B1S|J#5O'94;6D"^+ OTA<935G@AHU;PXBZAI VX+CV3A(C*I=ZSU
M!7XSMX|FB _+2;B9;#?CZ&=6!2^AG/U1|Y(EX*S'E0;))|5|J|>+1O'CS!K*K;PF7AR M33,_S %8,#T57IC-
'O3\$|QR-WZ6M|&4!8W6ROPA'G+FP)|#;,"_*+\$BS2EWR MYT:4YT:6HQ?NM.J9<\$|HL%E X:)|H^)(G#-
(+V|>_Q1^76&CY ETH\$Q_O M0 GGRO'B" _F+|9. 1-'=JM"*=M(KBAZ,RHM_FBZP_-&-
R+_8A?',N5.YD5DX| MSZZ,8ODP1)0|H69;ZGI-
H#9,G:F.5W5Y"7MP|!TU;N",,SYS5LKGT)A|GH|QJL'FG3J|@ _^RNQC1P4XIJ;\$) Y>&O\$)"MS78_3Z(+
(B@(|M^!W+O"&G,-<83-_FH)ZY#)BH5T;Y'*LUY&L.S!"C/V2+U|GFBXD-"AIW3
M"\$;V|U1D'R^BX6J1/U+5O\$ZW9\$G796|T.#K44Z;N@#1/=2R.KK6PP
MH6+RT!T)N\$WXR(E5:CZ/83L/F6B!MD(F@;F462.M+T|&)|J M@-D M _^W-
(253:CGX,W!6QE|F;|/M^Q\$>&G"985CP75T.A=LR#6@6A#C*(|>|H M%|C|ER>0:S=FD0B/O8BC
MX+%,;A?K_"R.&|1&&|5D8;U^P,(YZ%L:1O<(X M3(D)?
<3KSDUEYB+>210MP|HIB58^_)0\$^P;ADR|TP%Z.&(9S|@=M|QCFT%Z.
M(-8=&P;PK!/&&YT>6XG")|I^W M|:W&ASDTZR2Q?Z0WZ*,6LF@%|R5*X|!G M:1R^:&F|
|5D;ZV2AHAC!|W6|!%+*WGX+0FI?L)L<""Q:*)6A(FA"_6X|@, MPVZFBPX#739^2RAV,WX1?
L\$W!#!M1RU@W=EO@&6|\$(5ZV-JBN@6#ZWH

M!8 +.=734=KL5P!PP:N,29R\$0(O"7Y. MMUCX^.%07'G3/"|CTKGO>/SRHXAX#Z\MFS*7@(W.O.%
X;8C#Z|H|=^I832@K MC>_); _\$G#0EW1|L|J?GYS8EE;IO<3;A!)HU3U!:=H=DP57W%K(;9!?
4DV'L<^**ZJG-+&N|6;"C ME"?>KV&\$BP96|@W(O|(#R2/&K3)TN3\$;+_13!;/@,9^1@|@K1&)+C@?
E. MA7P%8T|)33|+F/M,'P,:QR/8%A'NG8G\$-NY'NDO#FEXVS\$C+-(KD:/D,,@DP
MZ69TJ2N78=S?|F|QVBJ5C^)%*VN(6B|T\$|?I?QNXK5@IC;C4H!NVRJO*\$/_M+'B
G4B|)=6LMPVI23|A^?82JFO)|0;,>.GJ#H5?&I(3QM9 M,-M?@.E|/HSQ8)%=D&BVIJ8>%C"4T?1USL*3
+;X>1ZK.IC%0JJ:#P#+:%8 MP'AZW*V>S:(O
"2&_VNX7M0"PC,G|8N;/S=TKJK^&,WTS7ULF/N&K@N?| *U MMT*L:=TK8!6U!|K\$+<_!CPR"+11,G!
|>1_0|)?;3 M!\$-;|6O3;+|00+<\$9=T2PMS+6QIZWF*^Q)6WR*)|J20%Z'_O G*3|
M=LH>3T@2T2L6^VY35*X5\$#NOQZ:C(JN:L#H6+F9SSF"=IHT7A=N">6|J'_M8 MV3"E%IW5M:Q5-
7WV6A*7-)S\$4YC,P\$)H!0&YT7X5X)/6#A#)^.&ZIMF'1^ M?AY9%*88<:'<5B>'HVQ-O%
9|6AQ/*QJ@+^5!/.A75LIP%UO-+(-|-\$BSD-MGX7#L-#@+93!8N_VN;V_#U@:72 JO!#Y=SQ&VH<-#
MVT"1;4L7'W'X#R(SR_X'DTIZZ8';PC/QM S6WNK-N#1(+|6D9*N0>W;Z^37P|E3.B._N/_U!+P04 "
_0L-9 M (7R7HI8 "-K0,% &AP92TR,#(T.3 S,5|C86PN>&UL|+U;DULWDB|Z
M/K_"|_KR3'NEXF9V2'+=HB;\$LAR=|/|/\$20\$+B-\$5J2)9L|: "?"*J5!>J MQ
L6:TFS.SID%8M:ZP/R0R(SD7OWSWXR)?O*Y^KNG2|(UE> _^MF*|??K=^2|_L;|^_0#?
O=BANNZ6+X#^/?-WNZ>|Q.7WS=OV=\$LIWJ MMM 499J0A;M>O ^7H_XX|_OG/M)S|
M|V+YXGLEA|I^ZMM_N?SZG->^_X?>?%O&&+ _?_/ZJZOIKB_R8^7W_077UIE MM_0.83I?
K7&>VPM6TW|9;3|99%QO9GU+^+Z|K/?:#_!U=>@?00!5K^|Y^K MI=_Z?
OOMM.QW(QHY=4OVO _?WELUNO?N> CDOWGW??O?|T5|M9A-2Q/M MJS7_V62|6M2?<#EG2JQX
JL'KC^~IW_|RVKZ|OV,KCY|NZ3*3W|?<"@CQ1;% M _O%1W|_"6?
&6;Z8;,:E%_|Y|L\$-62_(|>:YH6VDW/UVMDBW_K2K(EEL;SZ MES,-M_KE8P1O\$|Y.GB|5Z|61>?
OKS/77VRF=3-A'X.PW8B3QO3 M|_K7Q;*TH|ZBY8=HM6KQ;Q.L'AC*"HHWELP03L(*#-X-
)C39;L71KT&-UN M+?'>8,R3Y;YN|6RT)(5V5^~^X:TKG4:5MHN,SWN'1|/5U^X_O5Q;MWFV?" ME
EU|>_K_F,S)|_KLSE;1&^F:49/5BM;KR:~RD*" ""1 "-C M8@Z396.P9,RL^Z*HG'|FT?N(U7Y-
8NTQA5WD^%><=ZHX&|T> M@3&) _Z9D-MA5"2258GL|_F<-A;JR%&^)|J(.?#\$=|LS2'^8SJ;/7OW'J?
+YOLT!3BI@1P5_M;2#)W!R?K'CP+D*49_L|WC)Y.VN1W4CV(4;|FHC1<>(|QB(^T/RB#2B6&)-M

MG+,*3#2\N47G@'21*MHHV)OIG;80K03&'YFJ3U=S-DER^N_3==OGUZLUHMMW
MM/SIS\LEU^QP_G\YC7I.9!&837;@1.;JO^*R2\TVJZ5;JEE31C_<^!...0 MW%%,N1IS&594W=,%E=YF?
6Z<*/'E'>4?P/1/(55Z?S" T9S"6LQ7_U [!/?2]GM,4UKI MI"?SF2>>M_!EQV<|7ZO?
%OQ;90EB\$SRZ&M_\$@\$5E/4%V6?" V'=#EG1H^)=
MMC78JKMS;+ #AG#K3UX+^A'\$B?!!!4&0;6;&A'ERDFWF4, M,6G?L?#QJH(157K=%NSSJ5M;|@
7MP%=16;IV"!%#4!%T#:<[VJ;&OK&*6R
MB5QOW_AA1&-2WZ,E5S^9#K0Q_2_ OKCK[1^NRC/YLVCVYR23Q"/4KJ8X6Q"[#8ZBA%DBCP//9(A
+J=6R1."3#SCE\SH]>+IXMV\Q?S5>I'_G8Q8X&N?IS.+M94)E%*5M*|?J(, MB1=18",!2X
&08A\$I23;F9X'@QRS)Y&%*T38I(1FU\@65D>4/512V41MR6#O
M_*&S>1*/V/R^6'MYS'XTAG*XF!7MIJ/I"/I6KM#ZX^K M4D^5J&=BR8?;S?
>WCL1\A3L5"KG*32%IA*B20\$;7+U4NJO?,V\Y4?F2= MUEO<)TWX';'_Z_=W9^@7_GF
O/Z)""SGQ\Z<&[7=B=LOL/W^9TCCG[7-F/ML<0R3KPEB7;>8+V5L4@2KO=,
<'8'@87Q@9;KEBGX@H= RR65'Z?ZX25/&O%DAI+YZ7)UE/^ZV 8+MP\$\$\$UD@06I(Z_V;17D[3Q7I+IA?
(SUE/MC*PVJYBA2-&[RU;TNQ*@D_:%NGYMR4,<4IVMA%V.64>U5J'+|27E&Y6
MTSK=7EEMW^4M0X^+ MIM+YZI?2FRAIE7/"0)3(=EJD34*G HNR&@HAN-
0I*6=,XOJ7Z.#K7YVCY !9 M5O&UN+O\^6EI/^#C?QV!77ZL/<&GN5TU:X4\(_S_RIH.5V43I.J;PE%&G5
M;8*!-\$"@@NA)23U\!C3O/E/0PSF:S AAN7IOOKGO+PYBS)YT3I8Z,I-MUXI
M5NLEK;+=VL\FY@SKQ8RUZJXY-EZC"<4"Z>IYCFT%K*&"JR7G;'T.W1-AAAK+M*.;X-UK_/L?
MA>=/&2@/(\$LH)A\G9KAD0I.4\$"\$Y\$DPHX4R@)(PIEULS\%/M5%./8TR==4D=8C;-A8=-;F
^N\$ODI04NIYMZ\$B\8Y_*R-,WFI(L'MP4_S9=C M;A\&DD*4.9V%\+ZP+/O9_0T.D*0JB8IBG=
IW=4<"M^8XK6C6@&C(<5YW/CI MO%DAER4Q/DWV;XOYY0^W9\O-17_BI.*8U-
I\$;1&Q_!BE\GM,@&) E5JS9Z: M(A%\Y[D-/ZH#<I'_JRIQV,PZR XK9*V)1T924E;1FJ.O@H.0%
(\$3/DM'+B79 M;I?D5,RCL%IW\$52C3=AH6:M48\$(\$#9E,VTAJ\;2GR=GL&(I<[N)!_\$OCR5 M+6?
1%TIQI?;GV>*/_Z#RAJYMX+JFY=VPX@TS@?WZ9,@!.>)!^"0@LOD+UAE9 MO9,
(IGM^9=|A?"WFY;2?6AJC#" \$I!PO3MM""(E6OB@V=I0%K0EXT2Q;:IS M'6"?
&\$)^W+MYH^7T<'08G,T#G5ZE&F(MANU6;W7+JVF8*;%55T).H YERV MX#ER-A\W@N
HU\4(B'66K>_JL(AT+88DQ,6H&1+2I=LMUE;I?;H!"7211MY MQ@U@#|B\|DQ;*Q"9>F \$;I ZFF
P8O0\$J27A-Z+(Y9W"EETH8PSE@;|8>LE-V ME_U9UOC#>.\$7|I-B* @6R-J6A;C=(6"FEZ"GXZK2/>\$;R?
@'N5Y%5|A\$|2GR MT;K&IW\$.0|_3W;YIYS1NPC8O/EQNLK;2I&M
MV\NG627KV"DNMV\ZM%Q\O_+V MLSK>IGP 9*>[D]I,4UGF\!;6AT/0G6&.T2NY*^6#"1G=DHA
(7I&1Z6)E M;OI/HI3E="E;-7_XHZ!\$0|B;Z *=Y:GDV.6O>|%MWDMMH0#>=/Z9=YTII
MW\4)QTYROZY>.2\NYN05"_S8E,T5EF2KY0?QRPV;ED;H *GY,+DB(1%)7WL? MW>|&;J-
H;L.TQJOXJ?K*|7'XDN^|CL&&D4R91;-&3MV\XGV,Y76O/NHR-E M@Q1S\|I7P0UIJ/LSN3H*Y^?
=Y;/<#%-+IX#RFMLF/3V%K,8!Q:0&TU;+:" MW^7XOC*LQ?KP:H254-L8\$T58"T_Y MW_K.%
(9ER;KB;Z@_I\$5<8^K\UWFM=Q=+SQ;"Z^5%7F\NN;1&MLL/U_L4"41I M&9 SI?41T@3)*
?">F>TM;;H 1H(?P|. @>T"OR9Z!)"W_#\$CD%*HP7JI(&J
M;FUI44.L2D,IJ:*KWM=A#DV\;PS.U06P,QMZ3'XW)MS+Q>507_ZW)Q\?I9
MIP9T5PJ04>X.FWVF4'6T*5@>_.02-)B\$ 6(K#JJRM*%UD5*Z=VNM M/LC|S)\\$HU6%6%ID;)6IT956-"
:CPR,@F=>R_#^RC&-%YY!(I=ZP%_FIBZ MN'KW;=P<|OHSP\Y54\|BM;ZJF D8\MSU;PJK)2@)
(C^I+;07M/N\|S\$?HC&M%%%Z1+H|HIB',#^>S.N.A9_6;W1.YID;*V;6A/D@JU)B4C\Q>)*[VI;7\+4
M<LZ(90K95J';>0U)M^KDE(3#DE3HWI#L.)\I\$8+TI_/B_/I&'T M(_|B_N8U+=^U(X1-"_GWTS7.?
B%7ZQ7:YPWF4RLU,94RJ+CI(8GWB-D @R8+750;3
M_RCOLW#&Y"&QDT6P'>JID\WCH%|&-2;GH#-
'_HNDXQGO&J=S*E>I"4|ROGAWL1*MVM/GHJ@1Y&-"93OS-?.HJBG\|9 MK6A\|AQI=7(NM-L6U+;'
/S>"-6E8KQ+PJ7>13=N 3C95;.25VT L#_MSC8^/_HI+I8XW?28>GLE>P\$;D_E^M/"_N6>|=9=(I-?
|E96)@|/%&SKKX;LU*|S1=TH\$G:%BUF,"EJT"K)X*.1.24V MR1|",R;|O1YNDP@7I?
%Q7H3V/EE@?/=L&I0WNK*EJ#6M95;4LZ^MESL-8I
MKV=TD&1W\$ _B8R>T8'EJI^7Z8ZN/WG)FFFQVOIUX\H;1X9YIDW^S;LVH\ _K M\RO:@-
X4S;D5+'V_I#R|*E?S9-O#9YO"ICVBM5\$|AE9AW9<"L1HVWXU(+7V=
M?/%I8W4SXT5E;L;'C^Q|B_B:P^RNMWRY*\SNVA957#8Q)K>)6E6QVFE1"
M2P8C<#)0%"H987J;^Y^!,CX?|R0RD)CP;M+_ZV)1_IC.9A,I0J)JV<'(.6U/ MAF/+LS&MW+>WMG8>
I>Z>O?X?+J3Y'O4E'8,SJQQ_F;*VF4|E_IH_=.?ERE4 MUAB\$U|FP;@\$M9;O.82K\$+"60-T(R"3-V/^28!|?
XW+63B-!=%.>HN?5JS7|N M%_*B7M5J/+7VUNYG=JS!M0?H3K6XVM/O'.5L;L|/|X/JY_<&;VY;'CZ;
MYV6S*7^D|7^O,QR9'&^9,/22!_-3K937\$R1;LJR.38#69<%8"X&*|FDF_!Y1|BA>F6#P';|ARE+|X>;/*+S-
M>=,ES-@S1%*5KS T5"@WKDB^Z;DX<_8H\O**4YA/C|^6&|6W-OMOX-%GO
MLBJ0,1@PUVT34VS_8'IV8P@5?/SU/%7^_T,1FB_ KS6\$ _GYT MP9/DDU.H\$93FQ6;<-1""#5#;+&I?
4@Z|BW=,IYW0?7E.SJ,S&FN|BZQ|(9S)W0W;-W|W&Z;_&F"6;K M7*MJETNN|;*=@."5@22+=
|S\$Z*K*WF|8/KC%9P&\SNOLHQGOB=R9*G"B*CF;M M|K+_&J&:S#PUK3J_102KR&8EV\FVO57&
M%R"_J2;RV8S9?D+JN+|<.60_|Q|+MV\$807*9@_%1@|&=>+2EP.B;G*UDI M>E??
V@O8@=60AVTB>K9MJ+?;\$DX/^W';YF->5LJ;?)M19Y-C3GK65-ZT2(MGE6E3ZVJ^%2DTY\ M5D\';
D6+MQ3AF"D16RBJ*B4N2IM\|63|!|?C\$-Z;<^HBFY^YVYZS@_B7: M"6O**
6KREPVUVNMEUX@%S)+^/;BTKJFZ?2B0(;D\$I7 MH87-F\$V.;&P|Z0Q;;|BID0)I86R;FMW762K*#
<^@&H+W(H|JY\APKHC/L990&;#|FEY M<2,^051WH#T MVM4Y;B*5*,K&H5Q@4D_'"+!-
|.=;VQOMCAU=4N9'N1ZAL+9P\|LP'YM/\$U MKZ?@LH#H@*N=;W2P'5PE/(@?0ND9H)08BT9E>%?
#|ZISZ';BU?^FS>GN@AO MX,#E2|+9|!|4_HK3>8NW/TI?UU^& M/A3C7D3|UH+C@PKR,6YZL!>JK-
|S M<'>72V.O>EQ M^#RP@;(YK7B|>))9<\$OB=Y;+|OC+6Y"3%)*3O,- *BZVXOP%4'C>>4A;DP4F
MYWL;GE|\$=6#FYJ.IJU.I=*_V15=)|;S.DHG*YB2L%3=Z7N_A(LFOC|6"Sj*U M-I<1 OM38%.6N=U2*-

B=05!\$!16D38VA4A)1XY>^A!&0)+F,EF2?E>W\CN>F@7L-3,-!-772RQ ;31HJB
M\YS6'S>=D68SRIM3T^?UYDD\CY>-\$*096V5SF-@H,*!K-6B\3JTK^J^,\$P-MOX(TT*\$U5F\A=NF->
[48ZF+90.&:->G9B\5J3642K+54:@!5%6_)#10R82@ MG8L>V9%RXJX?O*O9\0.O.#
+!*M6/SUGNX_H+_G99N(3FI?&+)TS'D,,@!+L
MSXC(:!0A\G&="=U>D\#7BGBO)O=,Z3_XE\@Y\K_/M-^7&S\7J^F(1'XJ V3E!&FRE,@M!4VA""*!
R.>0#?>5FA7\4^&5Q^MCW'S/TB5K\$@95 X*3!\$&&+6 G*(.104&.!6Y5\$W_T^S\E\2^TNY/:^OWBZ6
MZZN>NL.89(Q:>W:\$;04CE0T)@(!)\$FV4\B@2\P>P+Z""Z>G.NHA"ZZ/P;Q M%!\J*S5)_MEI=M
R5\4T"BRY0\$0*4;S6:XXNM +05%PF+TH58H":L%!\15\$ M+H9D40=1=;P\I
(G1N\|MZWW""C2A%!\>2MH<7NF\JE M^NB+C1\DR\ _TSD*T28\$,A\$8Z)9WHW8\|L6*P!E""*:X-*M?
N+&180&-?+/-;MQL5N^8W5D4V,(46\2T9HG;3G@FR.GLC.Y\2\|E5%!\#++&4H9G62U1<
M^@J.VC7N!WFK%UTH%0KZ1Y2 !0H@!0#9E ,LG?H9 \87\,-VP%9U\$5:@P0-
MKAS0=HY^LU4N>P,-#XA_N:6\E\B=T@&RB\|EUYV8\JG0":Y(W2GN#9L@4B\V1 M?
@7W;8<,+@PDTJ\$JP;^B-VV9\O7Q7(\|2\|+WAR9MN"78MZ^8WK)+^7M+I@ MVOS8&LK/CBD4?
-(K3ZPCWW?(G!*\LO,2SFJO^(!=*FP\$ _M_,E>(B\|H)O/RXS->!YO.,OPO>93\FC77 J*14B8E\$M1-@;66EY-
TDN\|DX6 MIVOI8,<<#&@G7SR_DNJ,-H8H4Y>=(A26XE1S9Y1C0%T:\$!&WQA9*-
")LJ\EE'&0>010H(4N5A4TYUCN90\|M.^#M" M.O\T8%AK<6P\?&SQ\^O5>85KMXM^5>U!6I*N%
JM\$XU1K)YW%K42\349BB&MIOT\|T.VJH.&L3%T0""W(^-TJ/Z\4YOCV\|A9EC(671\Z2S6*M
6UIG11U\MAKQ6T&ON_,/X1G5*<1HR=9+H-1\|YCKHEJHTG> TKDP4JLK55;JQH;5\$W:
M21%Z%_EX&-&HSBN^#J=)-3N1:0_U2#>&*4"L_7*MZLTL6&QJN65)9\55;J%
M\|W,S5YEHVAC&=7AQ%B)U4&(73R+UTN\K3A:%1HXWONW;+DQ-VTAST!:_M&@#IR-
HN%V@ZL&I91 YWKR_OXL5G'G_@F<'&KTD\$JW/>@JV_BG/Z?K#40E
MO*MJBBH92FDEC*4*K00^05;-!OW\NG>)U'W41QX%O_2\%T\$EYW\$K&7F"JC M\$YN4\=5T&R.?
74537H4KD#F2 2Q\$ _9J@3\U@31RV"1JE)E@\$;6.Y", MJ+G6%G608IGKI(N;2U%10NYMD-
9A:T;1&0;+X>DJB\UNMZ7JH529?G2MH?M+IUZB_COJA-E(ZPVT0\$))10*%!\B\|)(7>8/6=B3A(=;)-S-
:\$;*R<%?Q0 M;2&W'=\7R\6;);Y;\7""CT\#.?@5)Z9\G#;D\$!\|A=,\#X*9W5F6XK99=BP
MA\3;/"0JF*HSP:@NL9VCTM0JFX?A.)S\3.WR2J; S*S@2F"HV5O_%2\$FI4P
MQ:44>A_+W,4PA@2)\I+"74460-#D.@\|=ZR>,+4K>RL1*TUB;I;+6N@W3^;X-
XM#%R(=@08^9\W*H=2-G\|C7E MM_/%;/F(W^XQ"MLE\?
R"T5"8JE9=QN"D@94KH#Y+U7QMFT3W\DON;0RVD MGH(?;*Z^CQ?
TGJZI*:G<%Y;5;Y'\USV6'POXZEYU>9P^7%1?Z.KS\|L8CG=' M^|SW1\|U@,%W<%Q_Y!?,J=Q
P.\|0;2"W9->G%\L& M:AMX8\|V7;=R\9HWG&DJQ"M09#)9&EX&\+WFA\O6LN\|1HV'H'QU7 J+U\|
MHG(.4;9'V-JE5\Y5PVJ;+ Z>J\|QNA\|H^C&@L\O.C\&E'(\|=>PNO9 ?@;
MIG9@DM=4MM7IGL_-9Y?);M)DTDDC*&,\$\|G\$7J+/\31OWM'DE*OK'1\^!\|H
M;A&F&V=)#L@J\VG6VYN+S0O'HRH"M\(!"0M\|!8AI>LWT6
MWFC_) \$RKX\|T_##=%NIZNJ0R74\TS)*<:!?_*X(Q@7U6++3Y M4;J.^;>|4U".0SJ6@,)7P<8.PAZ0F#>
3:I\|R+|0R09T\$X\|A+|E#(H\$Q*M9G2\|U\$>!\#26B;5(.7:LZ_9DT^YF8A-D?=|NN\N\|O6H\$F:
<%JYTQ)HON M\|_WQ79*P*-MY'O1KW=;#Z=IGS"S_!?L;D^Q5FK\WB9+GGY+|N-%LU&^>
MP2I@|=3.Z\|A\|C\$7R?XC_)^|6OOLR(\M""/OZ2.1\|/%\$_<@14AXXVU:77=<7 M;^8MVXA7Y?
HM_?;_%J\|IBS%>+V;2TS-|?<-;JV+QZ2W1*DL_C
M83U\|;H2>Y47>;^FOOYHCWVU1K7%RLVN_F3B7=D2:L"PLL6\F*+*\$9R(\$F7 M%*+(^@P>U7U<
_B7FS#+SXME^&^J;?;OXOEDN4\|R=9&'Z4"95M^:#MQ21@=M)
(.BI8Q2\5YJZV"0XS8\3F37'EYC1Q^VJ^Q&\Y;#Q3O(YIBU:8WEM=;X/X;5 MTRW87Z;8IK-M%3+-
AE'\$F"#YDEQJ3X002@#E9\$XE5-|NO<=;!GU*%*\9R/C MF;7\;R\ ?CFPE)4%2"[\@0^BJ#P:#EZ MNJP?
V=A\|L6P9_MNF\|F+L&E;7=R@:WB1\|02;(-84L>|HUIXE_5+VHSTCD/D\T9Q:B\A<\$\|7)QMFOHN2F
MLUKCHE4Y\$"\|\$.5(.+&V30#%0*LG%'6YJH\6\|EA",\41E4;3*)\$WXH=T&5E M^G
PI"^=3N^|\|*,PIACB@-PZLC#J\6+K5R6-=KB(\&EBM^-\|RW\YT MOX\=Y6*<!\|FLP\;^+
E"XEW\|R6H,DA3.\4\OZX\5*\$;W+R\$>0^6.F 5EF! M(>%RSEO3:M-\8_7\|#)4ME\$+\$ZK8PCR#;(5CO?
M0QK&H>Z==J_\$_9"-;|LXC2T\8G*JY=-M=5PE\$5Q"NPIJY2QXMI\$0A4&&MDA*\|K4\|C(@^5\^LZ.WP?
0^2^1T7\|TE\$AWFFP5^7U0FOW#)T%+;@9E(R M7A@04A:AE#DBD-TU:NDEK5/4+_X-
=#/921E09/#83 M-BH"#)E57G)LA>2J\|L.Y%|\QG"A\|@R4Z2B=GN>;EQU;V#|W\|Q0K*EJBY\|T
M%6\|L<(RP9JA*DPJY5\|E\6VZ\X\O#A;ESF#/\|=9=6=39?*|\7/8F-K&>Z\$@5F0S MRU8)
2FUKKG5*V>#I@\$*>R\; RU@LYB\$>3SYF"SM<%F@O>:W@O/S\$ _ZJUAK\|ZJ%NP>BA@?
8/<9YF^3L'Q MZW?= K\$KWC&1@7QK5P"5V,(R201(@K;7N\$+\$8JKO;=#LC^|\DD\;=;\|K=V?K)
M^D\|3;ST3\|3\$-CPY&G9\|S_S"LB;C<-"ION.W0'VF.(2 \|QWG'AF87=|WQ\| M#^"\|19;341UB
8)))&E&=.M"H1V(+01UKF*.?2N\$7H*WC%%0\$;\$RR\|B/2LA M\|H_FRWM1#;1'(:7<(H\|C(B
M@G85\|UF)^O0MSM_P%ZX,=[2\|+D?^+L8B09V6SQ1\|MS\|G).C\|@76;\|5? M(46=(\\$CK52T9J?
M%KLY#&%,<:\$3T'8H\$9V7R;XOF&ESPU\|*,KKM&61\|JK\F4 M\|@F,R98=36E83\X7:6WK 'W.\|M"MD6
MC(\|L^(\MHBE\|NL 6BK?96\$Q.UH\|)?@%<:D3D.TF<9R7>Y@+(D_)??U<=
MRRP#)%0*LL\>#*)B#%FT-8&RJC\|O-\$+A\|&>6 _Z\|IQ#M)G(^&^|=YNB<\|+MAI>
(C4%YR\$8Z;#H6B#8'0\O;?7&35>V=H-(+^YB:6H^(\|H-W%?O9M>G,-;O62 M5L00?
3O1U4H5&T)A6P<\|>PM;R\ _NQ&A8UNATFGO;\OD5"J>A7D>\$VBK\N69%-#!99
MVXY;=8I@)+*W6\|!/^5#>YTFWT;2Z_3\^JF7RW/^IBGL\|HA=!!LDR5AZ^\$DX(C(AQB/OC^(\|TP%.\|19\|
|AB\|MZ"Z MYV%<VQM:N?MQ*B5_(ZUP2R8FB);4\$|\35HJ5D;ZT@H(X2?A\|F Y4SL&3
MX\|30JUSN72QK6K+R?X_SCR\7'W&V_OAB2>_QX\|C04N26J*KK1K9."P)8O*% M-V?-|\@#|\^CWZ6-
|X&O'=(#1D1\|.#"V XQ<%_N?KLTHUHYMOR \4"T\$|R7E\|@ M;4WUG@X7W^-\^E5SATMUK.\|
<1F)V>X+0#OZ2+2:0?-FTSK&EJ70CKE"EJ5L-R-X)*.5S@-|T6\|UN@ M8Y\|J\&2=|NV#YUE@M16TKT
^H7*F.F4&*)1\$;.\|R/0MQ;-|RFPX9OU&ZXG(M\|=9 RE\|5G5NG.'L;1WS#;""%7D""TE

<5%WM+)3\$3&C-C;AX'OICJ.MD1WH'J#+YM:IT_<"3?D>-K9\$G6-CA2.3#&!E|E
MOK7WU4\$GMOEL&IP5QR5OGI-GS,<.5\$NW0ESG7IQLRU-%EDQ9QV\$C9-)0@)F ME!)!V8@%#1L!
S%E%YZ.B^/&4W^?E^EJO9RFB_7US>:K)(:)=E6DQ*#@|R(MC3,|RR3:%,
|'1^*Z5ZJJW"48|2N)_/I@14TA/"&T, W<+(|H)Z6ZX^ML'OK M*/G3?U|,+VTAJ|H%IOZ"#J@Q2L!?
NDP2GI5>J&*?\$_IX'XAC/&4_\$|WZB&U@ M:C7WC?G^D)VRO=EVUYWP#)2B1 096CI>,"T_H'JVZ5-
IVXPG.Y3F_B*X,1|2 MGXE/IXIJ.#0Q9L,OMG4H&5.SBR"BLV"R8:H-O6H0BPI&I;^T#;B;4B#N"!|
ME)HC+V|KVTTC|IR7\$U|H,|_="=T(I-50EF<^|?^/8P'LPXXM6)*\$R.(9FT+, MF?4XE%P(3 X64%
<)R@>O6:E+V;U8_OYF|H|@HP'H<.)0SI3MO2NM^0;DZ3S/
M+DKK4/>T7:>8;XKW=V^H/3RFOGGA0T_:4,GB=WA>BU0U9|'|*ZVW0RH0B|/@
MLZC,5%*3'GSG&&:#0%Y|GU0T%2UC,H\$F|KVI@|O1|D6H+,Q|N/E4#^V^VB^
MILWR\$)9|41L>)X^S;|F;?=R+|D)4('UP8\$K,D&PD\$)9|UC58Y0JG""R0/OM,/M?/V.L#0Y M;V4)%
<@FU:X;(*22(^@2E<:"M!"|WCVA'9*VL&>K|CJ@\$""5AEP&G/5BVR69ON^L,
|L@|>^N8=KHAV'(S*6%>0R3IK)|I5X=>.^8F>PQ MD"/KB96|&0,H%0&9,W0%U7#_?I*>R6P'
ID3.'DUS\$|E_J.Z_:7.M&YW^ULGB#\$,1EPCT>Y(>5ZONWX2_\$7A+MP=;H@I&|2|T|
&=,^V(WAMS50;W\$T6VSNS_2S76EJ|JHD5(*,%+J5L\$14.0 M+;
B6|D\$|=JFNW'D_JOA)|I(Q:66#L:2C4/H1Y<;9VX^+B|2N%|/L_*|@6DTE
M>_2_9=V;SP0)*L4)"&PC5|HU|OX/@C@=&(87-!AN/18#(|H|US7>6PJXUS M|ZG|H9|'@7>R9.Y?TA|
L,"1:6LGXD%K=>%T1%,%L"\$;JXY;!=;-6|H|_ZD|
MYOI9/T GTI5;*JU(2EZOB|4AE1|JCZ|BY2%FWA|3R@0AI^"5=EKJWL68 M>|:D^UR-
"/N:H_>XNBV%5T#^|MB^??KX@+;|0_2L4U+;V6 M&5M@OEWM|MLN'I?
%N3KN5(>_MO|6=N+0.^UU-UISVY*>+|T6;T)*.F8(V.K^MTZ8|E,K
1K#&G"2EVGO3VPEDP(1|58)OU2%K6;,'3)3L&19\$\$\$\$J%-'S@ND|MQ*|CX?
YT1AR09G^(%+IG\$SQ=K_:K270N%>L#H)>L&4N)D+144 L|K*257FH M7(\$-
@#M4,/_O"Y|B;N&X/Z=;K*-&53(N+FR,0A%J|(!;?KL2\$_.O#NB
MQ*AUE;'VMH"_C&I,|_O|B=%9*OW8QOVV*|J2_|RP+GMX+XD;/"(6 D?2 MM/B2@E"+@!|+>J-
|J\$JHW29M|<(V|GE_LG27S;G=H.ULM)+55+|4JNE8G^<+M|^COX|PRJ)
|>S(UW785A0|Q65ID@5|JBB\$K#6E;XH/AC<2JG3O4,5GH/3= MGJZ>_%JH+E=<\$PB
H6F\$P4/.81*0\$57GZVSF'KW47@8T>@|FQ/9|? 6=9(| MNNU1+Y;+UECRJBG(92G|IS-
M^NAZ>SY|0AN=3|29-4-(J.?Q=5/90^+R|J28O7'=KA|Y3R9F"E!;H1|3,O|
MS487%:I>_5+Z0#2LHV|'"@C>U>*/M?J=8,\$G4A(7|)XS473IBO|>-J2M2;STOP'QW
MXL%LUHXA<7;IQ*X*|JK,R53 H@0S,O+?;JO&:(+F0V;^&=*NR6_^_EC;EC4
M7|8=YK3K*O_:=/WVZ<5JS;O2|H;CL_W@1WJ_6\$T_V2I5>KFL:B28UO%AMCN M@B;+F2-
M(JBNYL"_-:/^3=8V|#-)0&&\$P6YPZ"";87|(<-|VX&L&"H7M M/|2|HF\$WXJ!)Q|0.0@9?
6UZTD0&2K@F|Y,\$^TI*|H>6F^B|_VCX@)LMBT|?WLEEEJS>|VCTYWM8@"#5;U)+:+:RHQ<2 M
DFJ66F?4^_)Z3R\$,4?=<CF3AO1#*(P|JFT/UH/J^_0X3.EEB!?Y#Y.L8T|? M(|@A2FVD).|SZ?
WA#;F2%TGI@TAI-|NNO4FENCCK\$&'IX'W+2P=|&W=|BH* M+;KLLU95^|ZU5A|",^9@72>N=|
'WYC-JXMY67|D)T%N@CE;P6(GE_ZD#* 5 DPNDG6?%Z"|9?|J5(0| M9W>K/3-
M'RLY6X>LE(G*&5(5|1V MJ;45<|4.0I4%JO/|A6A:U>IS.A #QAIW"TA.* A!)#60;+>H\$@H(+CN(FK2.
MDBLOL+N'44<\$'+B6"!;FR=JCO/"H),@IAY&WA'V2@8Y|_1C4ZDB9=*2,AO(& M+NMGL'M;%|N-
A|O"%?Y"JQ71;<^WY;|=|Q0<|YX3?8..@^OD(ER_9**0?"BI M@M6;-4@1FQ;:&<@H@=HD;:'W"?
UR_O&J#;#\$1AU#3@?/=#<+?WM#GG9= GOR;K%<3 ^QF9.)*E:1
M5)&M4Z=XK)0|I1#@V&H5*I(LW5N-|@EM#%M17VX,(9-NA'EUD68-V#8"-C\$E
M>RF2;UV%"V^I4C\$;RVYIU3F@-|%UO-US&|H*F/UD?)4_P85L3VQV?7G2_7 M;VF_1J&|S0QH>9P|
(URE'82;\$QB,.)59&"\$;JUMHP"TA<#6S|+J;ABSW/_ M-"/29SQW-7E
M4FK1K)QK*UEHA840V&&K@=VVZMM%^X5*GJB'T"+&=1>|/*D7SD?*RM-,!GP-C6X;..&6;
MRH9<|TO8^ZCTQXLQGB#-/EZT*0/XK|I@I*=MTYK|&P@|GMCD*6 FITJ8@2
MR6#OG6XGD#&HK<|2/WW"NVBG.X|@BK5088_"|W"V=|=|QJ"\$J5""D#|=HYDVK> MIR'GW>
<.6^/85MKG\$!&< M(|PT;JB1BT|J=6IDZ("HF=4HEBC5"B.R<>@#;6#=:5\$;VF?^!|=C'6QCU\$)
MB+GU/ZPU0?"M>4J.EJ0U;|+V3|?=8Q?K+HK)RA1|@FE8^EEV<|Y"UO-UD-Q
MR=LD77*IM_?|S)XQ;|^!K-AK|SY&\$L_R_X;:0QJ3EC:|RK%=(|SL7BF9@|AB-M12Y)U=C|7L\$7((U|
(YZ9(4?XRS;92"K5>LQ)D.J+1FY0*PV0 E)*QO88^Y> M47|O|?(PD_!|QV|ZATR*<+;HA*"MYZ%6C(
R6% M5L*O 4 MR=|,7^@ZSUV_?FG|J|Y)>;H|H*J%O'>L|W-M=U1; H+LL,5 MLM;LPIB<|TF;_OS-
|ZJ_80^8SDR/'L)XC".IGR|_O8Y?|_INXMWEX=R|JY- MU^VZZD;G4'N|<&^@(|E|H09-
0R%4I6;NH8L%H0|W5;- 76 MA/'4,JHX9.K +DR#&'&_S|MTM1\$0E9_^W'2->-
=^FHCH=*.86Y\$Y9|/'L*_5 M+\$XR1:H@O4OU+";=YP".=2|
|F4U|V7I=Q#;P8|PJSJ7J6N&95HW.2S9"M=2@
MBC*Y988;W|LRX&C#NX_E(|\$T(T1N|(9=X|7AQ85RNS\$IE;V;E-OH6C0HDK/
M8|VJ|X#VA2;H'/PV05<74#+/CP\$R_Z;|<6R@1,T&D8C"^-W;)UY3>|VF/ CHF
M_3L(V^ZNKN'%:73VP,1XW@^*=5|B=F H%, 4Y>:29ZM V,@U>RJ0.4+
M|MXA'L4UN?'|WWAN7_|LP_TZV*^?KN;Z"|B;6U:C=&BM;#CX1LEP/F4G"25 MK#|+>
<0#&;>T07;EU%YF9R_A#>NCW\$#Y_Q,N7_^QF%1*+@KM(-#&|5DC8! ME!2D34Y;^7,|_I?
0QK1G|BJACA'5>7G\$Q*)H'I#Z_)L0|NVD|*VQC*|IUZ%PZ6%AGH|*3NJ;E|N+T
TV*E12'2^V|RJIADX5UIV6M6=0BGDOW2;4&)GW*:ND
M,DG9NX7NOMC&5;K|974H<)|ZA+AP+BI(V|K)B_2FB@ AQ5;J#BM3W1?C>NNG
M4<2%'_;/)I2=4NF#*U7H2;3SG844+|L41G><&3O=BK'8AV3|SL(YPZ*#O<2 MZMF7X;6GU1?|0C&-
RKD?'M8.>:'JW?;>G% ME1Q<=%KU/OO_%.8G/-1>TH(9X_36"Q?
+IX|WXQ;Z@7=1N!X*^H\$S3#ZTU MW2#IR_N_=;|S@2,'WBE3X+?%FE;?

WK6I%N%LM2\$%#YHW/S#>)(@F;2V5#\$5+M\$U3W"ON[(<)Q)M#F93;0YT;+5%#;0;0V=?(+G7P?
ANDH>^=TQ:CLYU7V:61JPD\$V*J*^K"J?MAY>?S,N/TR7E!;5"W8+<70.Y^O?
5/OEZ!80@K=Z/5H@NU&R3M3T9JE1&D3VUL1G+2LZI1D2ZRB89_3
M%#;YM*G=S(CNH^@|KJV(:U8E.*.ANE89JZ@(&+T^0N.1\$|7>|A(JO.4PJEWU M4/G?
70@G3WOG(JU;INJ3V6SQ1SLZ_)FM6MX*INM?&:ZMV-\$QQM;LP+JBP32W M Q,K@>3)J:(V!>-
!3G7W@C?FG?E4O@PEI1%(B)USR0IY|^|B0-EE.|@9?)M:;>\$D*!-:"F|K^%TU6WE)5E3(OZV|C|?|H6+
+;+W_M*L"3:UW&*V755L!5*,MT!!+N_5-.FN;R<=[5>5V>0&??<'(JZ=#)'O3#^@SH5V;N7H0"5C)--
?;B9:=[CQ\$|GE!H*RJ':=;V7O#^F(<8)H|S|Q(>(B M)Q%E5*&|UW|LVG'7:J)*(O9<*B0;-
SG.LE7H9GL#J7@JF\$KW\N>^,=D/7P3-M%#^*&..B=LN)VHZ!O(LJ:8)
V,*8;\$QC;4V34DD%I4&CQ|@G?AK!F"+5WP:J MCR/J
C>\$K&V0!8HLJ5@*ZB=0|T%H)T#H(31(8\D1ZCG7(J@#^EVWT3J|#Z.M&N-B-
^Q'8(HFNTH*T!)Y!THA"BBI67*@H52LTT2M/D>@!C2NS|MA|!%#5&MQ>|7;VE)V!
(;)I&IDDULQ8(#SZ:(I#NT_&T4+D9GD@MBC,K|TPC&E\$CX3?#|M2*,-
D+8_7AIW|<^=I1PH*.E+B27R(=P!50\$?).!'MLR\$^7WK69BV4B*"X U"DH>/%|:5/F1RR@G3,.1-
!N5SK%%92%\$3:T.C(14AP=GH M8I5DA>VM3WK>9'@@B>OY3E!VRJ>|
MG>4UI(7@A2PKY**URU6\$0&|XY+O|8_)#B957ODXPTDRB\$3/3I!?C;_!+S
MH\$WQ1DDJ\$&2|7;NI%Q.Q@BLV1.F;P-U=CH;|CV!O.RL+;XN^1R/OCX5X;X M^BW.KV/\$6|27B6K>
!..!3CF.Z(CMSKU_GB:PQ_!A;|<0V';=23;/LPMVRJ;S7S&_GE7%^F**|?+YXOGWS@MS4>_GP7;
|M_AV(|58<>|+Y+;#2!S45D6D"U\$;JK3@+(\$4#J|(*3Q MK/(@?E;M?N2NM"VD+V(@;K M!171NUU
#|RCNC4Y7G;VD/KC6P57)P3#WL;9|YUGV^OW&G2G;?VA|H|ZEA>M!2L+@BZD)0D)-
F*IL!\$;5&|CLA3GAR@XN^V'G7)JGG/OOL+PB1=;R@9*LU M(DU+>E6B5?
(S.KMJ8NZ=\$7TLUC%MZ8-P;E>=LL&%VK4TWCYHKR\4B&@|FOX*M\$|+8EG"+6!-D*4S1HO#^0|IC/
3CF*+9HZ+<44(|/4^)?<*R3D 448-).4&_MJ@KX.BK%UYT|TP.!CFF;:HZ';
<&_/MNOT=QNU<\$4@J+2WS/_+;96Z;Z MFDNJQ=|KRW
VMHWQJL.XV';4&_#L=W^<22OIQ_8I_L4R=W6+7RU9DJ|N!#W M@2!T-4|91JZ^;R;Z+)<9
D4;M8:=&Y-KBEZ0^4T>\$U.R.1D&<%"NW|H|X FP MS^9K6M)J?3E:'4GBIO1@<6;YOT_)/
_UT+K|D6R3QWGNMMB./R4X_CR<%9 MJ2=(J=N^>:>B|XVAFR1CT)L,6&?
6)TA.LTV)%D&J+VLU#OR|UDPX_(I^|C MS|P/MZ7H|A5T-6U/6&'C|^K|XO+^V_>+.D-
*^P7%O|MFW0RVG>E/G+FS>>MLI6=_*3M|'^P^ZT=?UPL9K.>0=|NGB7VLD_OXXMH<6;^?0?
5)X5WCBG=;HI MMK@Y+|Z,8DGEKXM%^6,ZF|\$"NJK5/Z45?^?B78N K2>F97(&ZUC'J-81@/4.
MVHS0^D HF25)W=OC&F@H|^K|J^=)G*)@1>?+R0C:T\$0%D77MNF)W1H@9T M/..8*GG?
VTWI|XHQQ:_.|45P!&|R?;GTR*"MXFY<&U&34Q&XA&|BC21!F M5ZY(N;V!AG)@J'S8C)UO?
2D<2Z&A_>KB6;GZM-6=97->OOGX_W%(UYRHG|X MZK Z^8-WW|7)2?SISQ94G<|?7-
O)OFCEM;0@(|UO'QK-^\$0-X\$/(HN:"CGKK MDOV0=;C%P.OJEW82L/.%\$|(M:F8K5(N&MX0B
8D25(DAV5!-T0/<6G@0TYB| MNP^XL^/>0C|1=|NU|T)A%7Y_V);<|9)!..5|9670*8M(=;CL:B83V>T<>-
GL MPM5H|)|1NBK2"8H&L04M5=5%2-|KR()|^@W|&+6W%7Z,TAC7_CJ91W>7SP#" MZGF'|_
+^T;Z|9-WB^5Z^HJM^K'7I=TEUR!<=6"\$0HA52:B8I!'*Z1A|+ZG#
M48XJQ7QPA@TLQ7.PK1G@5%S)J5C(NGK&1)\$QB<(&N*_)19V-|QW'"AC1X+9-MT2|G'#)HS7-
O+!OZT7@!&E/Q05:|J7?-PZ_)MNG(EX-MFD-\$|YCJV%3440@)MV;>%G-FPBRH9|)A+"L7PU/3.
|/S*U?'CL'J'_!|P_HM9Z^:Z!_OEA?+.DF M|)_ ^?\$_S%2WJ6:-(IP 9+E+0;7HZ11.^P.U"WCE=#%23-
;3+\$!+57#&Y\$(B M4|2S6L^S=|S&WC-??RPF)1NV|5&!=9'-#(P10LX5?+3;H* @AB@
%3>W8(|H8EHR'?0(=M*D)S>=T\$9|_FJ_7R8G.)|BFNWK;"81|PUG|\$>;FN)5,7RW9EY=G|ZW6FR!?
M'Y|H|NH3HS#&#3,&)<9=6N00.B"GMP|J#N|G+KMMC|2 M6G|"&L|4O|J'R:.*|F2ZU&L3\$1
MV*:.5OD(@B>_"\$BM5*6V+W2ER'8COEB_@|7=L;+VNBM; MW4MDR8)-.%NWH@)
(.K%O@92"3U+@W1R.@4R3PS7/756|?HK+Y+ZRBIP?;MVXO|TT|3 M8RUA87|
|JY3!*36&ERP(VZS)R.D=C|VWA?;&ZE'H=1@TAO|/|+HUJH=GSY M2&(8 S54/=B\4"8E(4H!C
RM52|X K|_XHX7PN*HGF)_+D#UXF5%*5D5B M\NTAH.)V?Q,H!U%GUS?PKVOJ|34TF.UH0|A&-
'Z|A#A#?"N(=5J>(Z@U@U3/V9D/>'5K,YQZZ07/% LKKFW8DH|O|O0):HSH+&911
MIP>QCA/9.;7JUI7M&|UYK8GV'BKBD!;C;G?NP;0AD<L|F^Y&6|(RMF0^7 M14FR#|8601
*I79W.@)*RJ'"\$.D48YWOG4ET%|/HN:MYUUS?&-9;#|:UG'E MZ?YML?X_Y5U;:UNY\$7|O?R'
^<6E0.IDT0"|L9%LT4>|EZ&MUCXRCN1N|^|M(UFV?+=T>.33|B4)%%O|R;D.9X;#^>
|H;7Z+2|P;WV|ET/>Q.U_W=IV%K'76 MH'
C4NVAJ(CY%E1+;#|1*+5L)8WM|A;#J%*5G"01KWU*O|.%%\$W#(T>3.)D<4F.M?
=,8RW@|/H*T3|W.6C7'"6AR84NANV@.+63E6 M?>7<&U|*;5^L|QYD\$S7|\$U"H%J(<0.F9F,094!1Z9D
/(&"TS|Q5/&8,, MC/\$8V4DYGF/P%KH|GSG|?ZA;4Y&.H*|3?JJ<45559B3WA)06&2A&(U0K(|V
MN>+,>/'ABUT:6|SNYPL;?K|((EN1392254>52!A/L,BIP0*/4-!86->?1|G_Q&WZL|HF_*=Y\$/F)%_&^=5.)"
(R#Q5#&'&9|5?1RO+(8 M#_8F5@FG0N;|257^""KZ-M")NB@C:F)CX1TS7WO6PRK^<TNMN\$T6.X?
ISH_,MN|H'.<=|QTVPR|OYM?+17=Z|K5M/K<-EA'RO2,L4H.W/>K"^A/%E?7/5Q MMUSC(6(7NG|=
<590!W^Y7/SQJ;-&PO<7=@27N(%R3Y0PGV'S|^;|E/YQ|WM MM1|^&EWB"NM=*E2F6R4EV@##M"
(D4|D&*Z54|(89^|(3HBY;&1-|W0)< M W|XX|W>^KN":|7>.I(=\$>3"PY:9V);#J!
M*3@74|;Y)ZO+Z8H|2B|7IG"TU5|USRB2_4RQZ!+5)I'LBO("S6&K3)*ME| MS%UPV"RF4M7|O|
5CJ!\$W.F%MT=">6B?HE|ARY#XVOQH2@^QH%Z_|(TOTK?
MZMQI=|9/>I/8%T(*J*QI32.39QYH|X/FJHK*DM6W=W?Q/48 *RNZ^|Y|W
MIF""J|+;+O|1,>33Y03T|N5<|YI1BLD99J9&9+ZT|@.T%<|NR3CZ|(|24 M;#2Y'<5A>;G>6S=|VM&
(5E1C5?;U8""C@F6)9P/*SQ5L-;YT#QKV0|H|/? M8VCE!XE|A\$3;?NAINC>MW?F
|&5H|CLB|U8%9"85IHM3U MJ%OH&45=JP>KFO<%PQZ2KWKQM7|X|W+;%?
S+XN^7_Q!AAVAP_(L_J3"=B5 M'Q>+?O4H|?W/W&X*WG(*-=Q<\$3.^0%/C,<715%"4P"%I3.IG

0JJ):6>+MQ)GV=!Z8S\#8ZB\^W71G=,W4E'QR4W?TY6'S."4+KZY)J2WPJC)RU9S\$7S
M6'6TYG\[@L&D]\$\A3,EU&RK_QV9GZ*HW.J_P:+Z"GH*QLW@_C"7V(:O=3.1K2TKM MRB&5HIG0L:
(.5CS,-\$8)2LLH\#3E#EKO_%?@3,D-:T*K:0PODNQ:ZM:./M?5\S-^%-
L.V(#Z&'Y>JVY^+,>FX2I'3+N^&L8BAJR:JI+EDK;+4C4+7M0FC0 M-92R*U %A9%0%-
G9601*F=6%;#TOER4\$1C9T_G_KXO:5/WT=:F\P8T)6QE' O=>Y><>0UQ'M:1#'S22.H#R/-TI#^;3-
:N_.?59RJ\$878-8:YN*6E?FJ M':*/:H4AWE%GL7Q)1.Y1\$48Y@0CFP_MWX^!OI0:R
3+R0>&6CB41_1:E\ MS3(7F<*F-\$)QE\T*T*QA=,OI9-#:V;R8UKXJ:M^1D,LX7?<.H8F"LLVU
MY_AQ: ^W9&7Y*5"-T(U#%JYINZ7I&XAM_17-8Y99\!AHNZ08)\$+.\$VLCJ0% MBF@FO\$ZZUM9IF)?
P3(D3Y BZT4PT#96E EJHLG-C-E_F1;>:=S?K"9_6;STM +XHGQP)HR8S(N\$BF1#MGQ\$, +PG"VA_O1-
V.F. MGUS<,(N=HQJG6YWPC-\$I '3*A120*!JQNA\DI4"%ZA5NEB:(N&S(ZLSFOI
M74ZM6YR\T,F\OJ6GZ'Z_CSMK_.63_O\OR:B@B?,&A*:9"L2LQJ06%@_.9U MQ*COJ'I%J\$8V?
YLI"/"4TIH':J%KWO2X(APE>GL3H8^4PIM?> ">DCTI(E MYB\$"*U:6\$")&_7UZ^Q#<\$XU'W
+3M\$8!^H6FN6S%2DE5X%)F*F=^+6L)1Q M<6(UTH1@G6C>O.LPI%--%1Q90?86VLHG?*>FIS3JVK
MU0I%.B6JTH_0L<,-%U82XANLML\ASJ#_<1%L.#S2\J7#4PMO!=FHR5"W]<*M".73OZ"/Y_#MYBI!?
UH_SR\O_/U\O3F\5R%3MJH3)#_8.0\$TK2A\$*U:I8E
MEPI#HV%*EMS6YLG"/2\$.M4XO#/=D^JIGV&B^I4'C1_:I9487H M\XOU9P@2RMG&R.
IT*EK.\$N2J+7#FN#),*R'1CJ-9S^@T&@U\J>:B465-5.I M4LU:JCZWSI@-A#REL;D-
+21L=R\XB=CJ^;2\SEEM?BA;VX7)=IOSM/<1 MEW#8E)I5P&_2?YR-
^YOL+I8E!W.EUFUU@@:/C:\$.3.5=J",YT6WH\RN?XZ>GZ_,U95B&)K#,KJM##GOQ9<)HSL:BH
M21O\G\3N/-%/,E\%O*3&L*4I5\8O926KR'\$_B@P225VF!U2K):9) M-.">E EK)\IW^F.WGL?2.6/_I/U!+
P04 "":0I-9GXR+'=(4_0:Z MEOP_%&AP92TR,#(T,3 S,5\ID968N>&UL\+W;=EM'DB9\WT_AO^;V#SO/
MAUK=/4N2H\K-V):6LJ:F1NLR).(+A\O Z\LU=-)A0) &0V\$!ND 2K5S4M MD13VE_%SH031OSK?
_C?/3#USR=#2?C?_L3_Y\Z8<\CLT' ^MS_H=,: M<'Z\ _^+ _RK_1?P\I^>&7'WZ>Q(OS)\I_&J:
<9\3#\VY<_S_ R#W^; M3\A^ (H_O!_AO\$RFYP#_OOAGKR9?ODV'G\ F/P@FU.K75C^=_EGH7 (:#RBL
M!15=N>5;Z,5=^BB\2+1_Y_S+7.7(4,P1D\$%;@ [P2"E9B+0&%T*(L/'OW' M?
_JS_1)PEG^@Y8UGBI_ ^VY_YO,O?_H\H_ _W\A)T_-D^ODGP9C\;?7; M?UK^^AJKO_^[7/PVH
I_M\CIU:_.AIM^D3Z6_2_? WE8SS+YPC#16R.X_C\ M ?3X+_ZAI?1Z)\N?TB_ AO^>;X\H\ (LX7!-
VIA!^V_D;I&ZQ^#>JW@&0H M^8\ S-*?_OU??OCA4G(XC=)\)*'_(Y8?E'_ZX>TZTN%X_E;:GO^T_)V?
<#0B MQ(M\F'_IDO_M3\A^9=17GWO\K+5O2K)5=0NL+Y;_73?CH8TQD\F<8+TAGZ
M;AY7%6^(<=,G'X\YZK,@Y8(7HWE#Q.N?W13OY\ R'+06\JM\$-T"X^",IS>36@3?H^?
+PZHOM375RC.+E_>_J MWUY\,E\$'_KKO\$+_77Y ?51G3'D/^9YG/+E)K'Z^_
\$DWOBE4=VB)EH3AE\$>8,R&\$S\$C:70NM M*\$@'F%.!D%A1*7%"
I(1H<.OD;Z0(ZV@::L!6L^4\ _XWIFO0BZ^H>FZHYV2 MJL8@"NV2G#;(\$#R(R%B21B(S\ (FR?),C?
\$#RNXBX#I(GY^>3\0+0KPNC<.* MBTAG(&25.2@;#&#) 4PQGG\$O#3.J-
>>W0;2D?),EO<[WHSEFP00\HQ'Z8YX._^S5KSA.I7>_O9J,R8J>#^E4>T\TYNDTI^N=0CH9-0
M=9* @C+%0UP"L2,X-1Y51WV/O\WP)\O_<<3=KHT09\I\+;W>7H#\M>#SW\A!T%EI#E_PZCA?
C\06./N0OD^E\ M\$%4(!4T\R42DLX\I<+0JB-EJKT3(RMY^A_*\$QP-(12,DDA& BF0XQK-
MIYX.L0<(1B/*\F?3_O\$VT?='L\BY2F>39;_J?3)\RK6=:Y=,ZY?T1_?33_-M?A\ C%1>6BEJP+?Z?=&
9U:"\5)\IXV6IL7;O?;@4^-Y3Y&NL^R;L:PX8MY- MWT\G7X?CF>2F1(#"V"89;112H*7K
!C@27/DDV^Q6&^^>FGQO,+D0LQ@A\$>R+YV#H!(YAS%+%Q\J6P\SF\I^108
MWU^P&_@^*&!6\YH7TXR7=F.2\0L(67N016FJ\OZ*_".I68=FY#/'54\AJ_
M\00XW5MX&U@|*"Q6RTE\I\FX Y6C'V,42N@\$&NN*2(7(\$G00\1,NFX*S\I< MY/U,WG\B";!YD!
W_'TO_ MCCA=34B\NPJ?A?)0'A3_.6M-:HM>@DO#.@5"P@_M4DS2"^8RYP"ON))\#H04+"1%\D^B%EH';
M-;IB_%0@DSF87="1DI9Q,WH\$LB3:08@(\$QS*P+ #)CTA9C?0,;>,OC3X#O=N+=0'R#
M"-9_3\$87XSE.%UF3Z6S@2, # \$18+LJBIB5N\33B!<\$8XI5XM1&A!^Z\ \$G0_0A MXMQ
<(.PU:N+Z936>IGAK<*=!7LT\$TU>_B ISAO/I@!9"3(R;_JMG'H _=MO^I Z^LG0W4"X&UAO\$,9Z.Y\G*
<_Y\&O^&>>XQ#D(C)_M,O(L.C)4+N_*#=0>U 8ZQ+/Z_1_4R'QU^F
MD\G9Z\FYUIP_&V@F=8NHH(@5"1<&B%H(OE<#BH'31\?739_-
%^MJ\+/@OPM\IVAC#;_5* @8EP5574"MC
M0DP*Y9U7Z^YG?/NS3X#P1H+=P/=!4.#56M\QQ_GY_/7T^ED^FI"!D.\@H=&
M<8M"0RFJWART'H+B'D02D?0\$#'.13KOQW_"#<6\ 8!:% O\O\$ LCT:K;2AH
MJXKE&:S*Y\N2'0>D^6(VD8I\$#6*%OC%Z\11 9X/%.0&7AN\$S\Y?A-\$POAE-M<#I P1:\$7UH 6C-P
\$>L=8"Y\11%06BLPE :T7GODR;"ZKQ@WD-H@-;MJM\'
M,YSFV;N+>6V"4\VR@Y2,#BEP\+;:\$+2% @...03">"Z.L9;H%RW=A.!G:FPEZ M@QX<%\$%;K7GVO?
PTIY??/M1;>GD<\Z?Q_PE_?+?T'PQ_W38(PF;77D^Y,I M&<\$DGX3TUBE\6\Y9R@GH!7\B'V#"F8T^
I,%N>%&SD\$QM1>TQK0P*.OOJ(U3_MW@(@.M)>4^FD:MX[R/I-9:32T1Y6*W3C<2= Z\BVT#D835?
EP;-1-9Q'_ MR3A=7>R3.53;48;(3-7MPP#Z*,'#D*#7PGIU6#A\VY-/@_XF0MW=)/KDM\1 MO:_OS
;*>AD9\1M)%_(0:J3%/: T 2,7#FR-ANYV#<>? (MQ#I\H\)'J+= MQ'1Y6?<2%4?&1#4(5\$D.%/TSP;
(BH-/&,XE)F,/f%:8^<N2HWE>L&\A>1M#^ MJ:=;LB'(?I^KT^!X-AD-4S4+K\KQS";E-
4\Y#++;B+9L0'A/1\Y:%_" +H@/ M;%>XUJGHNV:@\UIEVIL=HH%ZU0*1:P_=#I?
EBW/"E>:%UYJ"Q;R+61T\$!AA<[2Z(B2B#*+QD7X#P/%L
M^8:D3%I)M&'_L:M#ZG)=JXZ'A%QPIAICM.2?9&<@U&K)P"WF&MCSJC6_-P"< M
KW\2\2'M_=#_IK"%WGV(M3V+ '\$^L\$KEX@P#D;0%E1CYBP\$#R."UEC'6&NC& M#_-&:
M%:4W8GK8,!85U'DVKPF^_R.W\VLY?.#:!BZ0+ RU@9LAOP8GY*&'*)EOO
M5>NVTEN@/'&=: "'@AJT;Z\QH)WT64I%9\VB9,?:VIC- QDB*I544-JITJ2' M"!/G-F\I-
BP6>'W1M:SA4WS^H\OY,5<6UQRQAMF\$AK(R@>.7@31N@B9\I:0X_F\K?YE,TG6S\N-DE
:B.)MMSI:3=4T# MKW,PHJ?C13&>Y.("5_T;T;S.W"FS"V00T:B+NA(M1VYF^&8QQ'.E56A\UJ

MS73H7%H\POZZ<#*F(LO\$CRR>M\$BDPNJZ:RY\$@RX,'HVV?|HK;Q MW9|ZQ|6@9S'W#
(6/>32J5W#RF(S0\$4%|DH7QQ7B|2 M_V-1T/'NT(Z'X|U,D;U7>>S@?
=1|R(S1&^Q5C9(G=CA.2M|HQ|5IE:&Q=W M(SH1Y6@H|H:==EE?H|N'S^W T>GO^!8?
3A74|F=%%)) ^BDRW78;M8.E",3VUO) M(
=&'I06SJC60<:2\$Y\$"1J(N6%SY6KZ+!KT7Q4X+19=BYM2KM,7D+L""F6-M8%@'.EF3\$WJAUDI8-
IF1&S|ZB=/80F-FR17.'\A(50=>C?^D&.=S3K,=;FO M<(ZTT,F7,I)7DXLV=K2UQ0.*I8(:
(L#7KPNKFBARR|3I'9XU GPVUJ@#1LE MK|:NEC_:G(>R'-9"#C^U|5P-6AC5&O@+C73L\!D;
4<.O)=8RRDFMOQ|L.:%G5ACH|1QF=I%!|FLU|4(|M\$ M^=)ZU.QM#">B!
>)MF7'Y16@JX3\$97YB86=(6IQBBUDMKO:JS|Z'HZ4*D46, MKM@46|OV&V|^9#QH:+M(2;T;GZ6|H-
QI.:T%8NIP_.(^=D8*9,J|4B@G?) M@XR.1_I>P.9%R7OHZT\$|@/02\$7M/Q,_V:YZ?3=+;
<0U=GB|ZJ.%H^(<^MOILX|P|G7R8S' U.E\$)\$R<%F2Q-.3HX.)LW %T|?+M&&V%I|NF)|\BK3*RD| M!
(J^|VZUIF\$S^MD@.Q9%#7U:44RMAF80K\$3P@6NABHZ)MS8A=@+VY-6EO?A|
MB|O=!%EK8X:C" |H-ET?D9#Q|F_I|P|C_R+/7?Y"U1<|G4W|GZ;2\$FVD;K
M|062|>A:#F:@N2|!TUJD\$G78MR?UKONI4)HS+L.7NG4FH?EG)|@^/AS5#0-@ M-Y=&D)?'|L|)G|F
W+0|A&O(DZA=H6"1B|A&(4(Y=-<2'O:A^TOP:N03D1 M|3E,Q U#9RM8O^7Y=
|U^|16'HWK%Y|D6K^4L|F(GC7|>3BZ(#^>7'BFT|0-MM7Z8G\$3RXP,WJ>JKQQ*"UG|*+0DMJ.M5|@
H|!#F)|B<((9+N: ^2.#H+W3|_JDI(^@WNHR^_L M7:3QN@I=9J.E4J3++&E=^R|6B=K.@/'.%X
M058.?EX.DWM7UEHY7LD@)I^M)0.'5WM'H;<04CVW) ^ ^MG5,L26FT|7CDS|G M>B6EY3C'KH
OMSSK:T&R|'1+!P230:L+7|+UX)CD9F+UO>'.@ \$|00|T2_B> MVM6=K!
I.IRU@E|OG>L=9QKD2D;93+X_E64|#:C|XZ'9).MG5@K2/\$YZE=
M30C;>O|UT9SL)8YP/'/'LYSGL_=8^R6>Y?DPXN@FG,XMRN|XX':-RG9%WV.|MLIQ09!-
!.NV)6|T@",TA95N4*Q|UG=W|F6|,I=8EAD+,)TZZLBO@?NEW9VA)>C7 VH|VSAG_6_7Q<|8P:'0EF
M.9\$F.T\$>7&W;B-R|(((//2E%+?!/))&9IT(W|8K|PFZCWNSU_LF|L@JA+ M.|NX?L:A=\$4%(V_I4 M.!:
|6WJ:'9W|+B+NYA9H_6_9PDDKX:20#EAFZ7(0-"8DGTf;7)@6QHC6 MK7+N@?0 Q<|LK9#XFU?D??
04.DFIE5&|.J#N_IU*0W@GR?05'(G<\$ \$9,% MI9D#.,B!<|*E6\$+\$YAO#+K@>1WSL'.RN?!!5Q#RP-
Y.%U)(X&CB|R* @| \$ M\$2(9H|'(6|HD@ @=?I 1'|X-ZVA.3|WV%G0/*9A-R*Y'R+1T
M3DA.&YG)#I0,M)'5^H#H MM.2T6|E%+A+K|K.'HKD2B\$|XT-IDO!?6D|>,UJ+OX?;\$VL2|%Q?
SL|FT7O48 M2.FCKUA|40)4OZ"(O.: ^/1AJ"C;5|N|7.*6G#0:+NX7| \$&K3E88;"9X_"
M@2FZCO:QH=X.Y4|F3N'<)!7O'&;81-.Q&1H(>(>|A3<.7\$S\$+AH@"K:.'*M6TW80H"\$%K%D-
(>YPP/Z M&;JTRV|KZRVD:*5,1CM=.,* #Z#GYB9Y|1B8TRU)&UKJZH/><)>B=-M9G<7N8\$
M|6;6D^_.CD@="|YI=A'T<.)9NR|ZMCG-3G3=G|.;1|9'T@)I M: ^L?6JP-
IE|E("Z">*@=:M\$|+D5L'7Q|J#G-UN1W\$/\$#Y#0|ESRE9\$!;1_YM MK?
YT/DD0J+4TS%@LK6V=IY#3|,1:QYQF%Y\$ _5\$Y31F,91D_>+MH:|F|T B:D
M/V677'9"E=9|WYY,3O,0<|*Y|+Q+0TJG8|U9//N1'0 M |N=AQ.WL4%<"ZD?
325R8MYSG|%'008.\$YEVS=K:5B1GM3),-+U@7'O^UPW M/YR2VH|500+LP:F|ED!; @J1|%8K-
:DFE+1F|83++BM%L9|<;Y9#/SEN87L,\$3Y|G@|7: M0ZGBBY06XL/1>QRFM^~7^&4XQ| \$J?2.5*
<2D68"(E4"XR,EHE M+WA=.E#BEM MS/F=@)XP^>T\$W4-YXH<|)V'DM&HLD2E5
BH:KC2&E^#XH'+NM|8F%&9A71 MM+X'N1G)\$^J@6C|&.P5X|7YQ6+:Q*(|>;55IOFL&K-?
EUU9ET'1>Y|58A"# MXW6("8.0+0G *JFMMUZ;UGGCG<\$|8;7HAX >JA(W=^%=8BM.V.)C &?J>#H5
M)#BI\$JDRP|+*QQ;|WVY""|H6/K-Y-W+G/@XS3C+|^?+ |X=K|?4/Q#P-Y|I M|SA-
@ZQ1.N|6/1ULD%1=.:0)@F:84QV.T3KE'-B(|BR71(+E/2OKU'=>+ M+|,3*(J0P#G6RZ5HR|36
DP*)1.FK?"MS8W'5>G:*YE=RF"|L-'#/K.^ZJOA MRN_K9\$SB8#Z?#L|/%+
(%ZY9.|4DCO3P|0S;2T2H8'9IU1.+6M>I+*PUMY+
M&^2GK7D/P.X#W/%S(F06E0\$KA:IS_PJXP#AXH5BRGJ56F|FC^Z.WS&UJB4?
M/7C8|Z>3,KR|VUI\$T/'|J'4HB8E<,Z|MDP)=P_W&5^D M |Q8#AW|_-
D2^%Z5X.0'WQ5DH.)ZE.5_Y|R??B MW09_Y1P;.1P@LXN1B1:
<#Q(T%N5|D:'XUG&GOM=TV@K^J#2BAJE0U|:W'.+| M:4(OH^&|J3WHW28JK&0\$W%SA@CMO
@@.)(|VLO13P5C@(|6"0ID0?6' * MW|7NL|37GGL8:S40BB7HE_OIC6
V|QIEQZ0K_EWQ<_F@V?;|P#L|>Y8:= W?4R=NE//MVV<-G.5N0,NM"#,VL.KGDO= M0I6,QO/8_%|:'C"?
I78UXZV/&5=WO1%:(-)S&1R&LB'MZ"X0@B>*. "3 ?I
M3'2^M:W5'>6SU+16K/4Q#&G.R0:M.3AW<#6-
|F9.JS9*&I0K5Y>CT*,0"R3/:4*4X5:0QBO_,MFC,|3M>|5K|;XG':L7QH-T7PPZ
M^L5L9&0U6F7IY0MDL).?%SA/7F|QK?XO3?&" +27&*D*)!MHAV7:@_"!@HLN
M|U<;S*G>AH<|=&.,+GS>TQBCBQ@?76.,M49C*,A")*& |*F>,I,1?HC1&ER
M|H:'TE|+SD?;?;\$3P3MW7^PBZ./TW=L%T;/MOMB)KOL|.TCZ^H@3%2|U_+
MR&2|X%D|7KN(B1%D)"|NR;-W%_|T7&Y?1<0/T'W18"AC|_|8B?6.G9?|"+RA^J^F|_-
R5>|I"6T=-8,>R7@2B8Y! M)E5@WJKF XB?3/?%0|S)YL+O|S;
<|UCC/-9I#O@>O(*TESXO3=BV0XS&,>5" I<""0'5FBCLP|!H(3) M: &UX^PY+NT%
|FK2|P5;KZ.U"FN|^UJ+9?/O.\$X?+|J/EY&% M#_E+#+>K6P&V93,|QN;*E?EHN:F6#7R8<7/JE!UP'1P.
MB6>##SC^G"_,2M|YAX:D(|'K|VS@B)3O,4DL&L MN=EIEAY|ZC7%HK|H5ZH;#WRP2%O?
K\$X.E6Y#6^D*Q+I|P5&EWC;+F2W|Z?O M#ZX=(/S;|T@N1Z)K-N9**E,2|5+CH.!, M|8<^0?
+VEED_H><:T9I>7I@+C44YS;QE#@*K:39I"SBE-7#Z M;O\$^H&
<|A)VWP3EUBZ@U(STITKEF#5H\$M@_&|0.LK5|D=UL,D+9M1>)|J"C_
M8^PGUR"Z4HRU3\$B.*|TUN"<5\$1H|\$ \$*RUEIWTKBR*IQ3T;S(32CB|C|T(B+
MV7QR7ONFW(*XLEZ,_%E|J+XQ>CT#5 *U=V@7B#T9)SO >Q@CI3FUNZK.@;STDBN| M'RK'|@-
D10..5JFV|:M=UCA_9)|YM4)FU'E3R8*ISCQ'SG"QT|;S+B^&B M10NA6_WQ|?F7Z>3K997|JE-
_,\$EQ+&|8'0&J%/GV(19(Q6;Z/R%R|X8L.P%| M@.;WK2F=|,U'#^.;KQC/AN, _79= *L NJ"E.ATA,5T'

M1,'(69 K,BB (M8>LBSSO@G)Z"M))|P|WD|\$L>+/N7#?^1T=)F?^T_QF,EU?I_CEK-
ZDNBQTM*A*U%#@*L75CP/D)0@;8L9T1"# (9ABWS(5@"G|NBTDW| # M3L+4)|C#Q>SV1# 'M=!
|~|>_3.@J_ K3J+3G%E#_B.:%QK^Q::Z3VJ ,DK(W+61 0;# + BO'6&NZ| MWLE*. C%<1.RC6BW1>|S-V*
<=>=#WF_DNV^RAS;"K27&R"S^:R:RG_4;F=Y M-DA,8)*2#.(D\$ZCD)"D\ (SYZ3C!%
|N"5V\$|_)=|S\$#U\$GMX,Q|3C7.OC ML00V2,%S%9B#(I2N!Z\$F=>0&O#01R3ER-K;_HVW#CB_M0FG-
_IO_Q4A"2 2|^|6A.4"4:B;YA_M2JR>67|AV=1Y)._&M='|USP=Y@KO%ZV*DA118JNV;#;A"AH^1(GG.
(GK16E7649R@3APHZA|F|ZQ5"GV_ |LX' M1C\$=8R3%#(1(>5-G"&,\$XX0CIS?6K&|?|7S7|R@0C03?
P^#:K;F:/XZR^5B_MJ_NPY(P|HCL(I2"9_W3NLGP*0%R#BPGX9*TK?OQ|P#K!|6E-1D|3)5Y4Z6< M?
QE^S8F<)AQ_KLU67LOF^3K&Y*7UM2V"\$9..IM3O43A(=&|9|_FY6/K\$HE= M<)V@QC2GH^\$0F6L;?
ZQ=.G&:_E;OUH_GWS|EZ?G_LA@M"PIT-*;VG)6_VB%\$ M0L)RM%+&V_O))D|ETV>?\$,5-Q=-RI\$ L%M
*R-&Q>D*5#|JB|F(AOL#1A_PU_MCR|HCY(H:%T)=F*,MQ?P|DDKK;J+ M+ 5R30ZW6FG(J#|VF-
(UF2\$XY"+CR*4 M8)AL791ZC.X?Z| M'EUTX/YK0YT%-!M.G.Y6:69R(DI!*FJXZ1X-
80#@R2*%BE&9QP(W\$?^1|919)TW.H8R6W&&H.-'LB;SF0^FZP, M-|
|JUGVUGM)=U;XTHXO8'^^N|JMS\$E|V-4+>X1A#\$|_FN+ '*R8A8EY"1VZ@)U
M|G=5.1'7|YJ%|GW4FZS|C|S.-X=H|3RY;4OL4>3#@\$G.@,)-%EK.&Q"R*MD)R*S>LO|L-
TVL&_N(1FN,*W2K9M4|X#N6S7\$+VZ,Q/Y@|%YU:4# '4=KO_MW,(I4C|'_.P1;,(R7M1.M|JXED7P"-
SS9O_/XBZ=#=&CJ@M75CH04L^XBC/_ME@&|W_+|JVAHW
J|)%B(&LL&DI'-6B3|T.PM=I';*MT|*;P3R"\$R0@_BZW=?T
M8&\$WH|VGY|RCJ;+92=-63;0M)ZU!G|T6RLU@M.BPY&50VF9WB?O|P*JX56OK4".2|7K4(8F?
8FW|1VO|>|4 M#L%&|""YJ"ZV\$Q|TS&_P%ZV-SC+M-/2K<7% ^QQVOHU#>1;JM+W?
C/OHNWJ@T^%MOTDU8/=O+J_M>'R_MEF)6V&@#,%=;@>1"CH-D
BP/|J\$WUHC6P| "WHWFDA0F'9;8;B?X8@;SK)9;9
M6|F4DN")-5'Q>FL(1<"DPF6%5TMRG|6N#9->|K_JW|17^U*L000"/!;MP_M/N0968;S*L5;TC|<7|
WES^=C&?| #|1HNC6E2|M)'#_AGO_X|_|0@E;U2H_M|NB6J4#BF0OEL;#8?'CN(QV/XUOWOE
MG30M.UZ1|XR'9_M+J)XXN-QNFA/B_\$X72AZ+ '4W5YTY7EL,2"SV>J<7SAP67GO;4R0@|PU(!@*?
=.O&>|BW;_1KGH7/D^7<%8)E*RBR-H"4|6|GO,%O"!@W""EE>;6R5WNG&_X_MZ =SD081|*2=E!K'N?
|MS =IE>CR46ZB0FMLBB@*P.^>NRT#E\$RD@:RA2/
MPGB%NX2|M|GW^4Z6OB;P;OWBU.4;N,NK;|FX|ED-\$P+ M_VT1+CL?
I^-8+;4'N_.T3Y"J_2U7|'F46/BFBR|G;K'|G=;G|ZJ?NXC>3> MN(7S.J)5+=(.F|K6<&S#5(AM6C??
5S2|ZCA.;G7>3:0QACT01P&4|J|J>DS52\$5X5*^@8 MI?*@3*T59/3%|^O_L>)|5@9)%(U/^SL!';>NH
UGD|X\$WD-&^2H;MHKD+&'E_M0DY|3|Z"|E@7+ &%51"9\$THF+|AJ?2-D"Y03T(-60NYA)U@6"L|&F#
(.EDGS_M7**U%6LA1+!|(E-ATG;OAH|>Q'6B5P2/9L+|'V^6J_';Z|P?&J<-
M'68A&3K,\$FKPQ=)A% C/7R?EL;6NF+X0=(/ %?8#5(34-J#C.|P-%W^;K#R?
MV_41+2M!.CZR=07((2L^9N6'PH*FMF-W43)0D)80L&@@4R\$5&XM@NG7(Y;%6_M?
HA(AI"JDXQ*H2/2.@;|&H(M2|Q^R"5;|Z\$?^*5'UVTIT7E1Q>*KKRXPX_M3UJRY_IM_\$GZ
_K1"ERQ"6@%R5KR^ (3>Z6@|^|A7)|HOCWMUD?N00A^|8'I.M<|;|.T2
|E'P.7JEM>;DMH;*)Q4G8NHL*>-X""%O9ISWD6N_M/7B|VYUPAIY,5K!!UQGU7-06A@AHG.%:
(V=K)0*G'>GHQ-/D8|=-A=R#*WQW_M""Y+|V1V%I@F;T|54O=@+
(+|)A9RU;0.K7OS/868YR%ZT\$|@/>P\$OR*!&|8V
MHTMWD*R=NNXE.AETTB7*+).01'.0PB|0_Y;|>P=2M9^G/%=B\$Y 'QJ*O(<&M.'?
8OLM@WHLP6TR|(.>SL0_>|8|ND<;5_M#G)(^Z&FAS/F*NR;5-&1D7^4)"90R"7X4H"SA3;)U">Y31|
(XV193_M|R+<_FK-RUW0P3X;NG;|>OJ.&<;|HRV=24CP;>DZ|7#T,J|1|PU|D#ZJ|2H
M|QVD%65|>BO7|@G>HF;T<&"|C@N..8%+|H_D|GWPBO/F6O38DS?-&-PAG=-%M_T0)6R5P/7"PK^.
<;3XH#JF;S;?U9%OB_F?WRUP6H9AO&;@(#%9_7H9Z.T* M=#J?QBA?#C&4|S2YQ5K.=UB;,"WVH26
M&|C;,\$*&LB8\$@.K&(LV9((;O;4;LA-VE=ZY&D'@K.KTV/?>NAM0N5'|@
M"0DR(VC1HFZV00/ZLGBBRK*Z*1M|J|M+CS/0VU;\$=+#+;_V&X-@9H-6/4I
MF%A498;3*|N.R60/TJ<(_D9O'40|VY\$SU!A#B*EAUF@=;KQ|V|Z.WY%QQ.
M|VPNJW)\$+AB"!V| #|25|AN"1@_6;,&XL*QU"=1F).| "11J0T!2;#7&/DUQ_M/+MF?|7-
K>2L"V<*K"X)E&86?(@1N.+&Y6O%;<|JTTV|8;|FF26XBSX;#/
MZU.NW|2N/M|'6P_024Q;2A&U;GF9/5XEP7P8+W0Q@GO=V%XRI>2;LMQ-K#_ME.Y5&X+7?PP7
ZEGG%9HT6N9@<U|<=+ZT\$CX_M#4=PWD9\$SDY8.LPOXG|=##&?#RWCTZ,JU'@B;@Y0E
|NU3Z1+&7Q&+9*0Z8L_M|5|K^T\$K;D?W;-2G|9DM1P%>B;G6=U5O'_.R26R_MP0\$Z(7)"8T@&?>0-
K""Y%OK2@ (3M,T+WUXTZO'K^|=<|YNDM^_O;|/2;#@_M_B.GU;GY;OSS4*7-&6&D6(02+
(+/2P4MOF&@|G;LKQF>A_M3|T2MT'3#@|Z|?E|_M<(VPY|_0N;F)&<=;P_!2*"1T-FF3T_|%GH5'N*
BC2P8'7FR@W|3Y|F4E4^?+WN\$?F6P|\$@X|H(-Z^FV1D_UM_MJZU^43(;""R|UYX(6UD;\$#@?
5;J|^T+/0*0IUR9G1TR;;VJWH*PG?_JGGZ?XY6P8/^3|G.VM|H|N>4C|>VY=5G7,FVU8=(|%
M&Y"U_\$K.M^#I8@#O(M\$K;Z4\$AUA3NCYH\$;PI_MS?LJ/?6;;5VT|7-MBX4/8;;5?
M;|^_|SBZO,R|65KM\$ _#(ZMP")6MO,1*? M4)|3TJ|DG5S5>^ZT;
7PE;ZW=6)|TEKZC6|Y+5=V'=+J"M8.H|K>=<=L*Y/B7_MW!H1->E+RD=3<958E@2H*T%
(#+891;"OH(|ES4WW'5|9C;=Q%N_M0|;CY(+|&^#OWX,GPIB_?"?| ^O_-
>4VDD^_E|4FO9|20LB|BJ;+&&_L"E#+4@375HE=>E'O|*BGS&=%
(;|L.O0"\$22|M,X=P\$WCR|^/W|3YG5_V79L\$QUL87,AO@>X| #0JL;I_M?^(77%UAU9\$QHVL3..VJO9
+;;HBZ-E%6%8C'J7;7C;_YXRA^TDUT,AZ6^3_M|5|7^X7PQE|4=,+YT_%IPB%K??34T&NLDW-
FQQ>>_Q3IOA0;?90|GEU19#+_MS&S0\$;".^5/!TW&>@R|!S|J.RBJ7VW;,>Y?W+_
G&SO<3;P_7;H|)ESR=?WL_MPG&M
;C)M2|UZ;_E^54;Q/DDK"/|36CTM9LZ)W..=ID2(D^%=AG10%O8+KA_M4"V;T|'#"205-
GNCHF8AT6W+K+PUUXC|B|1GL_MH"*=Q-|H;R;-;?#;7ENT9_MP+;4/3F;Z;ZZ;

!<0%KJ'2,0^R1\$G601 0:L512"1(G57)K/7-N(U 'CX# MV)CU-30Y4.GWTN'1%JBERI<+K]FEFZ!1#
33/N0=I:.'"#Q(RJ\$85E8XQUD MD42IJDD[.) 2&/+\$/F/+*LJ8M\ (ZJ"/2.-3V>'G01=.,F(G6C>_=E/CQ?
WMBE M+?#]=#B9#E=7>"O.U5@RLNV=U@RB2!6W!-+2,4?L[F,X>I/S;!'"+#R) (7L\$E" L. C.>=
"QH#4Y.E]. MWR"YC>&!*>[/#3A(S(W?T6OANDIYGHTGHGG;_3-*,Z\$D)=.=.9Q<#(J"&H*E MW<-Y<-
%)X,AE+""%FC[M4 ^SZO!..BO3EWM!..Q6M-"W MX^75C9R^W!P8R"R=U.3-6J?K#"*1
85QX(UBW&3+K&F=XMP3Z@DJTC%(ZZ\$Q MU_=>+>=Q#K01N+CP6!;5T\$PB"2\$P,-
&\$S!777+16IA@I#9!,AU:'SU;H)R@*K00>L/RBFT! ?K21 M3\$FOZXB!3.>A),.HH =>BM+&D'>U-
C3AT;9,ZM7(/%1X6!M?I9O!7,7-)!?B
MYG\$^_ \$I/R\ USH3L_L(_Z'ZK/6:>5&#R9'I:4C!K:!!7298HJXI8O\$F)66%:_M)PD?
6YY4*XP+ +!P*7M,SDEX^!P%='L)+)3T=I7//+HT\T3!H%6P!)DW:AY)'G
M22F)5TKFK!!4N!9T">2IZT\$^N[Y4D!2/^8>=(8#WC M/&D7TG;-D^XA!2,J!'L.=2+--[YV02X)(40Q
35J4XS0F'H-NCW./&D/>M!% MT^8)XV"9QZ2!*XYDE/F,GA:&Q!ZZ+A-K%AUVRH(F3QD)XKVS)-
VD6^O>5(O MO2?GCT,H6M.1HP7X1!X; >'2&DOX=KGO!TCSI/M2N;^,>L^2W#",%IN4CUH2 MQ
S.&=(EQ2PX189QX5Z(1\$YW:7!;YQY(S!K6.Y"1'G(JG^CW;HE@^3!L JPG MNV\KJ\$=@^1U*X:1/^?
>PHVP'J(L2AGD&GOGJ7Z, EWVM#8A9: #JSV&Z=,QZO M8G2Q!(^F%UW\$WH,^O#!_IIR_EC_IJG.
(YY>?!A+4OD >OHJ!UP!5&,&6P MV=N2Z9NL>2I^"Y3CFQ2-R+H!_N!I-O7Y%RK"R%U7T_47!|HFT-
)&J.&DDJI MMVH9N#H F!OLBM7&YS5/<4ME3H>G/G7Z>Y9SWT;G<@A,!F-WDRFO^,T#0J6 MDB.!
(KN8%:_1Y>221(A."IE0:!)E;WTB!|!(C3!=\$K%N24(ODX'7X=4Y?H%%
MVKJTTTH905&EC@>6!L.)6L'1>@DZ6,5H%@4#FOP,>: MS(_D=7LG'1AER&R*4;/2.I7U"
(OW^F1_'TGWX&.^QV^+IM^TOAOP!APC!6L\$ M2>9 6EGC+CX\$#C%RRZU)/G6!_!V+*>E!4TDWD-
5W:8UOXAQ>H&C%^D_+RZ; MP_!HLV*BRP 7:EM-H0'!6 M2K*E*)@S3M'!8;LM+2D!S9Z*,#;,>!)D'F'-&
MZ^OTU(G<0:P7-1VM60B!;E-KW>Z-UH.1RXMINAQ_K_! ?Q8CK-Z=/D9_HV M'WA>T-
"K"@&Q3AT5G-P)8!P)YPIM+O+UI=>NB\$!:=;NZ+45!&UHW T=9A07Y
MYP^Y" I=^A0^,PYH:.-P=;QMV*GG8AN=V@SR>:E5-Z*V M&G'JUDO^AM:OO\UMZZ+7/O@/NH?
!T9_S#I!:!G'@U@4#6>4^!;_!U!N^5RYIUKGV\$5;#JES!(\$+) MXZYSU(IYH!4'!0\$9:*F3963#8W!6/*
(7>RA.^ (3K7/LQ/L.=8Y=I' \$LK9= M8#W?..L=J.U8W!:/Q(^H\$*BMEPMO-P8RY>N-
%U!;AC.BXVF1.5:'T&/O!ZO M#SWH(NC&=8!+XBW: ^;I4Y)G '(N((MT) 25 9W4('TH&!@*
!7;L.+ #7PQ!/_MP5PGVM8+YGJ4>:J5D.ZF\$(47P)P@K!^Z!;'&MF5I(I2A<4.Y)\8J7O(J(<=
M_26:;KW\$Q!&V!P@BH/2-CQDAPE!1(LY**CB)!TSK8L0W+ MJ=M^33CH(1FU"=>JXFX'9#U9@-
M1/8P1V(!'53B-\$?:>-8(E1!*1!8N=5H
M2D7HP)E@H21IF/0F!HLZ6WULLC'(#RV3G21>&.S<%%NM4B%Y?3+\$.-PM+@
MO3S=N%?"15!+^!TROK!8L>.E9CJP'/A:A_U-%L"=#SF^1="B4D?8NRI(FFG M'"PQ1F=;&Q;R0GH>?
9W:HA44P^F!B4O&>BU7>L*IDD-BE/T2=:1:MU M#U*LK3(L;8!"BGI4\$)@19
!;2W30BC)CY&X7L(Y=6TY0/A'JL.M.^7Z#@J MS-0%F*@M-
M\$9<%J1YZ31<^2,8^DU*KV&Z)EHQYX4!)YC_9#GP^DB'8+CI'ZQ
MPZV^!3*/Z=/GU6!OD73=|TF'96&;K*!16O;G"K^>(^/Y=!@N5K&GVIMN-)E= M3*^IGRX9I8P))#-
TN#!5!_>X".+(HK&07:1;-Z'9'=VA6!26)UV& ZS0SM_ M_:MI&.58>W#Q:\$.!4A<"0S-
"W;OPG.L)&Q/NG%L:VHF^L>3>UV!SG4=O^Y MY.TXK8M"1+82%!4E!2!^E)CC3)*GI(R/5C1FY!5
2N'=%KA!O! N_%ZKF- M:I7^VP%7;PG7S9@>*N-Z.&_WJL(!0C^F4@C)! =E:;SGA"^Q!(Z72%^,8?0!
MQ9HW6#VN,MR;=3V>+G21=>N\ZX_O?WR!92-7RFY-
T2%+8*K&DS7GX%@@5X^+J*+PRN2>+.Q=X)VIB;?>\$ MJ*VGK23W6!D/KR-
=* &AL>WS(GX>S>9!F!;+5_>|C!RY\$*7SMX!/_H!AAZW(672GT2/8G^!PME9K4&C_!2I
MS%|Q5&_KGKN1:U\$O5
HG*O6\$CI'BQ!1PCMUFHUC6C'#K+#0>CZNQ3D15@T)D! *Y6!3TGGYHQO1G)R+F<#
M@1!%#5;U3SO@.DJD^CNFQQ" IWH^W>U7A *W'JF^AB!;'Y\$!!9X(+!6-C& M:K V*;MM*
(FW'Y9P3&7H%*GN5Q>ZR+J/2,*E2!;E"#<-U!6M\$C@M3QK0L78" M2!X!K9)@;*\$3+&L1;>O2G?
LP/714>U_V;D<06HJ^!|H!R4>);BU>F&XM7-D,6 M46_.\$GS*AAQ@C. SV3V,J>14J*/56X>?|H!Y(@K4-
T&!'SD?OTS&L!GT!L4! M)O*-0DZ0BZBW:GOV; !UXD;JH33TTAGK#H"K^WPI
M0#R*Z;H1WF.P8@!FMHO:;,*L3>:54K:92&|BF Q:5!%T >"PA5R\$47S)FU
MZZY/5G\$Z6;P/H3==R.A!7!Y,IGGX^<9L&BT,NJS!NVH!Q9(!R>:"('J5T!H
M*KZQ=JR!>&A#10%5DY9R!B-L,CG/L_DP7D.\$FD \$G0B,T+63J=G!(*-G"/G M9'7+YAF2-
12G1_V!DF|XTL?)!5E4WP9_3A(UJ\$WRH-TR,@>)H^H+!^422L
MJ6>BW%60,10QO!^3KS!M/_&2ZN5?OKA_7G'9_50J4!.\$EG_42O!X^,7 M"7UN#*&(\$!D,9!;-);'X!M00W?
#PQ.P@\$T!J8>!W!PO.UC%9E7Q3*O#:3"%6V-5H/C3 (K2DMK M.H^Q_1W6HRM(M_#WD?
2CB^A!T(O?)N/_NL#1L QSNG96JH#.2AN!*5PT#9+@ M6A!|"Z)LUEW8.G!:'T_ T45^>WJC_!CF*?T
MD+-OO^2O>719-"@ (G4UT@&990 F7P/-L0:94\$MF_R! =D)VMJ M8YJIS:9ZY7)R^D4:WA7!
<0!@.W)\$ND\$!&\$LDSX8WZ94O='51W2J\$V@I8N&& M:Q!;Q-
I.70.JC(!:Y56@7/=H7R"3K'J/FT:E6%Y;Z5*FWXR!7!E" GQU M\$*..RJ0(I0!C5M(80&X'F!KZ42@3.?
UJ*=ZG.-/CT2N4UE#F2A3W/H&C2Q MBMGZ5%)<#%FK6616IS)*X4&D*CM.!4.G-R!YSGIB#|L-
###O+Q(LSR?UW0 MTE!_I2!795).LZRLJ==X4P*E;8# R4!D41?E)3/1MPI!;8%RIP@-R/LT6L!D0:3(A9
3-D7=\$N2-NA"61L M.9:=-U)KT;H_<@* <8!>EQIZ"+N_O5@9>!8@)
MJ=)!\$XFC>W'QH1=3?>TBYO!N)M_ "R!68/ G8 !0+!V05MR'4#+!73G!2F7T>1;GOZ*!WBVZ*9X
M!>=DI9"NORN+'PZ*BAJKB65E=J#0_!#D:!'7:")&07/K4V!J&/!ST!F>Z.SA M&_M_8.8E.5,I*HOM?U-"
XYQ"9\$ "9Y4X)X/(KX3PT!C;!>[NS>ODS^!|!> M*Q!23BSY;??A='P!Z)<:Y!=E\$:26-
!D7QLC&0BL=G_UUC-'7!+KZ4#=%>*I M*UD05/5P-21NN%>WI&>#@@QCY&0'!
!H2U'T!F@/V7)N" PDL\M8CFG?%IDQU M:4!R>KBOL:'KS!J>HR!L;.&!|H!V%0\U# IK0VJ!>58ZZ^;JX7>
!804YS!* M>BC:6X=X%>Y^5ZXI=^!&LD"X9(A5#.)#!BA:%^\$TQ^U/_LO':J*>PZEI

M6'Q1^ZRL0_R,Jl;7F7H_<>7A4@&VHH@M-8@%1=DO-6L;DJ1C#>7!;>*OMQ6
MH\$WM:W9_XLGI18;"[R\$A<1?23SC]G."J**3%0 IF)/3EIT">G7D^;M*H^=IF<,I(j5K0LZY'OKT>K:9
O;FH!O)*YPWX M=3;I&Y(8COY/QNG >A%,3;PLUD% T9"@@J^|Y*SAOB170NOBKP;PGY'N|4OI
MAJAG7V'XJXKPUW50S6P81B2SV7S 7<@I!05D %9_ - 7 R"R@,%HZ@|HRUFF|
M;@A/7=GZ(&J#70\$'F0GU|>+|*??)N6WO/I^35KU/B'JGN<>95Y4E|6WG1YU M(P"UKK0J.R-
IFR+3*|6AV*@ .6;P.6<6R0VTNO_03G|SHZYS|&*<|NN|& 28.@, OP4@2(KI#!
(4+AV/H.41/@1YY"U5#'|C^%^^^;Q<4ZJ MNJHRXCHG'H*&Y(*HB=0,6-N?
9Q(KIV6R8%M/BW^4_3^/J1&|-0KMPLPQ>T+N M@NLY-PKMQ-NNS2'W\$?
HQE0(I3EG3OY(I92<:.'<.)F6PV3N++DA9^NV@|I#@; MA?:B"UUD_2"-0IVU+BD#7)L *F@\$+
(*#|G6<%W=2N=;|TR?4*+03>YT;A780 M_2-I%*J8,%8 8:Q#\$H644>OB.H^B
=|T6V|AB>=J/00Q2H.X+Z*|6|!+ MW0=Y.IRD8;SF^|X(M"J.|X\$4A=GH'#!?0|?
<(K@L!|2+4AH04VYNT7;%^&!Q MIZ-Z5@UYZJ^D^!K>CWGZ=1AS!3G(+D=IA0@|:TY/-
>Y=F7C*/L0& '=1#4;+^'0>P!66N6%#A#C+6*/0L%P:4"B1=> M0E)2N/ZCI=0Q/3M%:D15P|K<>)?
B%/ISB:78G%#JN0/2;YTB>M0Y& L Q;".YY:'8/I> >A-C0= MQ12Z"?
4IO7:3:Z;Y=R|04(=9+W|JH4BES5;|TZA(3;J)2Y";I:WH7L|:
MSQJ0U|"@VBR@S7OIRUPFT_PQS^>72;..P7EU:W)|.5?|T4\$XU3,D))B-3T3 M (5(8-0K2= +M3|7<+?
S<#||S^J4/)E#6|DK*|A_|+EZ-NS75G?C?^OA): MR\$FD_N*L.|4=XP8PP\$E>M,T^+!
<6G(78XN&V^D.OV?Q9NQ MG:CFI4K1UCL31ZI&^UL>?
CXCUC_G%USS%SYF|YHOS+XL:UK_.>15?IU8>"8A5J|X'K.U7N=>-NU8FL?H1|3*;P*2EK!P6AE
MR>"46(=Y63#>%L|+U%;UKMAZ"M5|O>A"%UD_1/6>5B|;Q020;T|:|T;:'\$#
M(I_:T02MOG8W2=40=>)O:|5>UU\$ _TBJHCPQO-HZ.U DH?0!C!'"&5+|I8 M4\$SK|E)/NWK0\$
7JFZ#C)(QN>J|KWW4X_KPY&F*-M3IR|/YMP/BE:C|VCF
M30V_)/#1(.CL\$R.++44=^D|D';""QQ#B:NUE/2#'#7?|+0FY U9R080MY<28 M"@6X"C#8
3TDO'P^3#3?4|HNZ435GO\$E, M"81,/B^H^@4%6;Y1V)"DE2*LM2/I7S|?
6U'CXU700;D|2@5DUY75%;TKKR;G M7|AB7L2NWX|C_.L#SS93HE,*!"EFC,|17
^8>U#K:SR(F+IOV*RW7L2:L? M'?|:9':=6VK\$M-?)N//8V|*C5=EIGZX(S\$@!"%-7YJ
STZ81)D'K,*CCL0
M^L^0M%W3/W6|9STX3N5HQ_7=REF>'5"+Z@KZ5PM3WZC"Z87U\$)"Y.G|^@N>)
MD7/*I=2..6P^9/DX*_NGSA|%)|:6?1VY^.'-14VA7|96FI1E,*;G0H8|GGF4 MHH1=UWS4 H-
8|SWG8,%FY4%);@&|91 45R5%|;1^G8^>(&|;3;H|H|(PBS5O M40R@\$09""?
0J&:M;:V8^@D7&'31F<,*#+KPI|L@+#+(K4=%:("SX1*>)J_?! MN0=G2ZU'-R&DUBKVE
L..C&_6X%|!%P:;F40>|==S+C#HQ-NN2>5|A'Y,I8C! M)Z.B &UKJ)032!1) Y/:VAB,CLT;WSV% H-
>=*&+K|^BP\$|Z7VC?6T1O2NUK MJL\$9|F|5)(N?)1-3|I|3ZC H!-|70L,NHC^D108R-
K;6|4Z;W(H+2.@,X4 MT\$5&CCYC=JTG?CSM H-#%*AO@HY28/#J#,@V=YS?
E\$7JGK/ZW_'M5\$5@<#Q"C-*!4)&DIQH\$'K3E#55#? M+O|O.N.H.ZJ3U|<')O(XB?
PXO|#1ANXX&DDN005-66<5)%&JT1&@A"QUX"" MT/|B;L*'GT;8-X8HE%*4'V*WDGY"
(+"5X5"25ZHXU\$Y4S_F078 MYB0|O&*UH.LH>>OOPK@%>?
%#G.Z'41|/M0W=%^XPUKQ="&S80V07YJFG\$>QRF@29H|@9"CJ(A#;.|.0X@_5B M(9L?
AY_|B.LWC^_W3%,>ST:(><|4>9Z!|= MXBD* |HA(*)Y"LI<<\$QD2 M
095*R9=UN0BZZQ|X=':T/K^X5X|MI:|:7.+C=4QGB5N1#.@68W':FG :>. M1(%T.GEV?
&"VG3OYLZ3D34R0#.(A0T MP6=MK,|^W? U6(|A|HS?*|2'49/|'K-7B:0|O+V;TSV;DQ)V'92NIV@+R
MY^'7/)L/ZT#",E;|BD<8Y&?AN@>Q6"\$|: QX1 MN4<);E^_Y|FHIB%!Q-
J|U\$M\$7RQ\$|E,T,7,MB|,*CSD5W/?8"-E|*CA*Q MOG'GT|EQ44#EA=+Z'R-D%V 5"L@4@C"K-
WO/OTA(^@.7N3|>"KZ^F\$|A_2)FM(|5&BTXM4X72(HZL0 M0"3|V-I6R:IZE1X0^:E2N0!:-5#5?
%VTW3>TKJ7H?U3/7K,'J.\$HI>D|:- MR+F1+I3:+8.1;5X;'QE-
!&TJRTSO#1"!|W@GOF6I6.JJ.%YX^S^TK)%O MFKF@.&BK:K,+25(1D4&2(07+58JN?
I6ZB>F9ZM\$|Q|PE@'PM_:(>0(F&G(EB M\$MA@"JEY6-3#6\$ F+;/L#-
K^X|AW(7RF2M6,M'45|SVHV/:Q\$;K3"Q&S I?- MPMIC\$+10D#3/3#@60KW:\$+8A|I'B?G-K-WK_|?
>FS:WF2/I MHG_EQ/F>|B7&_|=|<%6Y>N|\$+;ZVNSOFDP)+PF8T3;DRE6>7W|3)&7)\$BEQ M
5Y22|^\$|9)L|4'F-R-SD)OA:<4 ZR M\$(PQD8L_*:=|' #|F?*QMXHW\$'60YZ-H8Q8F<6""|(*@B_C|DJK(!T07
9(DFL M?YK R1KLD5O_-58/09?*(9&"2<IFLUV\$'WL%U M#ANL_/KD?
H8**D^77Y:CF_)=S<.%B>YXX|>UW1LKJY"P<31(FL2.%X_?| M^Q ^#QXUT|'6EXG':Z|3&
<_T4|/5_6ACV-XTV;4CVF4TPYR|I9WJ;|D/E H MO&QZ|IX0_\$ _ZE_7FS(&U#ZC
TPZTG:1&APK"01/12F>O:O RSX)*QI|0@:8SU"2""W5R'Q8.OXYB-J)K67|O9M)K6/Z,^D
MF90K*11+3GI*BN2AM*2;LQ0HJ29/)TVN>NL:W|?=3.H8-O56T(FG5=UQRK|; M8A1UY\$J3N*RSM!
2(WA.-IHCH=7L0Q.9|A^W.PS|.83TSL9E&X(C@S2HVF;A M|S?
L#QGZ^B|UY:+VB5)|@#>1@W1N|TFT!D M%)J)6\$2S+N0Y3S\$!6CH#\$T%LN?1&N?
^BM|:)>|L&9\$&;K8^/3T_ X^+5IWJ/ MS=|BFGZ8C/X'8?_=<'G_V86R?QYHU'WNC\$^;264|Q,*
<%;IULX|O|LO8@='W_VT,R@CS|X'K6CS_|Z&WGQY|A#XD M*6PJ017&(2JR|A6S"&3S<|""&^>Y>-
/R|L(^M3//X)RQJ0ZBP|#KH M6\$/0L(G&N_:F|^_^#F&0+T5-
%3X<-4L|T;UP/SWZ20MRS,6%U9PKV-R4%R0 MH#@F DRH?8F*B^1LX7*(<.|I(|Y>*^M"|I92H1U.M?
6INUE:&|2Z*A_:#H* M<30FK=:N2HKDQ+@'6X*A<|D^RI<2E|_YD09,*MGZ?
>9XU,^8HP.KO)^5MO,* M;D"_L?.T%HE)%,:-J|*%N E>;F.?NB=7*,M4X_:0+|A;H#*GZ0
MNNKW4WO|U'R&TUGZWYXZWIP_70TNEF@ME1'?9^?X<>Z1:|@_1'KUZ6|'NS^
M1G>Z)0WRE'B#T;Y%|_W"HXKSE#D6,'6J/2J4L7692UZZ|B:M@L|Y#SI"Y|>|T
M;W#M.+1/E_MCM'/FCVE%|FK=6XA*TMV96(%8K('75)&&Q^Q_SSM|WL;Z3W
MW9|,H'_D*|CN^!ZSDIF>^EMUV>20X0^)"DT\$5W)FA-G%:_|9^!"S,1_4^BP M+35E|U&3X;

GLRY)IBAK6CJ=A[2\3?=S:SXS\W.I!7!"/%[HD#A:#!H6E!)?1@!:=:
M,2&31M^_0^+A^,\A&C>DGS60IH>IC=H+3<#.G6^P^K5_WI93GH9,6M Y4BJ M*13P=6Z;EK0@:86-
L;_WWV0I+USNK?|S.8ROT1<5I97((2=3VTBF#-\$):TYD MDTWB-L3^G4+W0?Q"TD;:A)?"HU7IRX:
JY^CQ<=[FJ&J_BMAC:A_(*E\&4X MO3&*L?L31W?D@|QD#"O_\$SU8I-J4WA2\$Y+4C"IV1PQ\3 F.%LY
8,I) ">?9 M/%B()WU9'I928>3DEFJ#5RR"UR2>PD,A_7EP>(8#AWS8+&/=L|P4+Y\$,E7
MK1>0%V3RTZ444-?AZ<;I9"77IG4*Q>-|L-A+|SO6^_PA_T%K?;|9P?+;2 MVXU/|@<(?
4A2|*|2PW):"9CR-6X?=1D.+#+&IP<7|U*1XL
MG/%ZV43\$Q_I*\$Q.'6"2#H!AFQ7TPMC47'M&#Q5|:V_?|8A_1#Q*FNX'XG_>Z
M)+|JDR7R<"KB|9ZS|=2&N4D2&#'\$5B1G":MA1=X|V_?DDR3>NH:PVV+. M/PK2V%H^_0<>
:FW_NV+++\$7*5C\$HWJ;:N\$_0&FFA,G(>@|<6_0 Y:7T6|T+^_MX3FRU0@XIVCA?Z, ZSCU>V;
|Z2.&'71PHIBA4@&%E|Z2EH7NBA*AS@X'8ZPJ M00FF?/I|R&
<3,XRN9%.*ALSHT0A%7"!|) #,N3ISA^G00^KUT<4,I^'0,3'# M?:1SYC%#SYU)SLI:L\$/:C<\$
+I'("G+FBXB91/D2,SQ\$|I0%#|>1_Y#AH5UP M/>>8X5YZVS5.= (C0!TUR+DQ&P3/9V'4H2@@M*
MK,\$7>?YAEI,6|1EQYI%MDGL'I?+(/6G*ID)I4Z,21 \$-|=LIA"<\$H/&G?O MN:-7+7-
R|U+H/)&>.OWZ>3O|I:UI8I?E|_2"O_)UIK5(D*MP(C_W7"&>T MG(I?N)"PYD,2|12,WS:/O)1\$%
=O? 2%18"K>U8KZ9+ Y+CM7QVS M=BQE|&|I!'SY9@NR\$V+=FYW/XXNJNP-
@|!CGSJ&P/\$>3#0DM,5|D|S&THM"-@PRE8D+'UAWTSBOJ MV%'SN4=|I'D"&F77 IVICC7GK;-
=9TB-") 7+.MGD/" CLU0)7GVY1_J M#EA_O&'<1?8>0RC>/X8>O=YV'7_\$+CE?+Q7PI;Z^F4-
G|CD@Q)X?8:NDT(XF8/)\Z22D2XBB M=IR)Q1 MEM:9&_?>6XS.40+ YT@<@T-@Y(I:@XI(MGVPC*
(AB3@0TJN%",2&X(@|GD2 MY! M=+"OWWK>6:|E0A0<;E9,1"1UPIY%^B*XE'56QN MG:7|
(*BG|U>UUAH>2<>E"9KU354?D#A|!81/PIL|E_#E)G.P=9>=.R!.'0ANH*K;OLIHN
M%+W^CVL=7W_>"6S1XX0^/4IB#3?K%8*27E\(+IT/TD!1K"Y%8A*Y?JGI#(C MJ:IV.OOH6/7V9X2Z^
*W#5I?_CZ+:EKGNKI+*W7T|Y=6.M;:A=@G=R#K:!.XQ1T4^?M MJ|ZFNNB1"1_58\$Y.(Z_)_=9)
B@S.!,*""N!_P@8ZWCW0.3Y \$'X/OQ78)7P(ON8P:02R70.!D)2"&2>*84! MD^2MGV;W
OA|^.H5CH")3KC;J|V5<39.* M"1 C,HPF:JZZBN!>0\$^%(NVDWL%?^ON|A87ZZC>-
J,Z@#F%|;O+F\$=?105" MOT*96:2CCM-=S,BA4|D|O-=6F<3-5CQ.9=|79#JE1(TD\$/'=Y+EK,%-M(X
MY)*0D>,G9"1CS; Z0E\$9L-DZEJ1W(;=,;|T*YJEPHHVT>WC#L|\$76NCJHJO# MM:|P(6?U%E,@|!#-
UY!0=9HHL>(\$\$*#L3"PYDY+A: IR6<2 PBDLR>SAG|K;1>;L(MJ9X?
J@UVDIR=Y5I&BCSU>+W5^XLDDTRTQE|M9*1F8J73#!DNXSVEN="C9C<@;-M*1!>*A-
P4\$Q'R\$E:%4"!%P MACIRV\$%|&W|T4|?#?L1*|JT|WC)_OV%>36AZ2:B6+1.R!TX*6(=%LDA&*V!
M_\$9+R^:&#O!==+CYIS|%-3:0VUU-
^J.VXB>!'#9LEA|"@%O9RENW)%;/^\$|: +21_#;\$30Z.O558K\8+G\$W" M8O3E^S-
#Q0U3**I#6DW&MEA=") C"E&*SZ:T?JAY&-5CYT0G^6^@
MR,%AL4K;7R;SRUF8)/S;:"KY^=5D4CVO'Z>3Q2RDO;?'@"B0F\1IU4R!RH&!
M=TA"R)F3/Y93<6F'W;_+9SUV M7>1Z0:E'QW=NLO+V\XZM)KKJ5L_#+&-?T M^C5>K M.>W?
FDA|:WR)Q%WM0)Y#NWG1'R/X;&3HHEL-RC|X #<%:; MM7?
+XKCK3C>VIDUF&E+0=!4%CO"9XA!=S6'7_9-N/5!X&Y:GGT|:1 L-7TKN
MPW75P&H'9)V21|>C.DWV:|OM|4") (T3?(27G'H29RUU3"0E75AJE1|:
MTI6)NMYRM3XN.I0|#NAE4ZFW03;.*%S\$|JZX|>X3A?A4)|
MUH*A|U=J0;WD#GP0U9%E*NN049K;N;^|Z/K6QSQ)11|CR@\$.^&KRU&JI&SSD
M'G,L:\$Z\$YD"1DPL^IPR_3J-|(^1Y 'WQ+_-+;@D28K(2F+;D.\$GO;
|U.&XT\$UI>Y'B8(EW=@SN(@U_W4"JE12UEQ.=7\$J#TB6"(V^M)^8
M<72ZA;1+WM!^G_KXRB;3O5XT.+*|E/?;_-3 M2?L#2MSXX8|/FT?NYI+C^GC9/3OR|5%\$='8()R"
|&M5:G5L| (M122?B6?)>^ON|G)TS5K&VJ@8073=E17#8MWP-7I@7P;IM_|C|?0VX-4.\$+H
M'5Y.MN++*EB,\$H%Q:^KH!/*1-6<@DRDJA(BMNYM.BP9'G@6'Y(+^|AZ&-ZL MGV|PF?W|WCZY|?
>*I+I@3;)P*TM46R=&I+E.G'M7.N2C=W1#1|);Z/1 MAVG20AV-'|>_H7SU^?_
L&M+'59G@C^S:!'&H_1926^2?YS.%U= Y@&\$J(2U\$%622F\$4NM|V3>'3PQ\$|B|JBV<L/6:9T|0CN'T?
MIPWWT\$J'_FS735I^E,YF MTS_I)R.ZZCZ61A?H 7Z>R7_M"
D\$G@VBM:|@G>EG'XGA*?I<+XTSD>|I#ONH^I|JOSTLY7:0:&ZQF7:13
ME2R#4COS>_I3+!\$+0^ON-/O:ESW??^S)XLD1LMZ:E/3_NVQ|JG|KYXOH+-R-6/WZL M
9G.%A^Q=LIMRD AHLPL^_7^5|L.GS^+;5=9ME MI|7|G|<2_E|R:|I#?2?;<98U_+7"2,?
_OUN;UICVE"U:|1|H\$6=>G(B8AV*S M&I^|5X4<5D8L:0A7+D"9&%\$.RDX|4:GJ(NFK'6 MQ>5|_6QX(H?
Q^AS>!.W+^_NNEED|'WOZH8|N+ _J3|5|_YWXO9)5Y_<3I9 MT%Y|/5YN7CKC|\$/|0_Q>*)8&V2D5?
FD0!DL==*!_*W;C0RM6XT_D?%X M>_%A|_%X^&CE1-/=H'X,A|O*,4>;,L\$*VE:A65S!,|8AL)9 M\$-
(ZYFWK";Z/=SQ>=|LH8Q:QN-%+@1F16L5LHY)KWT"BBG %49G0R2|_R6V
M|L&.1S(>;R|5/3@>;Q|Y=PB>?G->?OAZ=WCQTH59TM|HY6R'+R4&I1D'L@) MEB
4TSQ+%95LSH:=D#U|8Z6#ACHD&.TW#GL7L)ULE|V GL:*Z:'Q;:3J|JX> ME|1>H%,HH;!
<#U9;"00M=FEKBUOK"L.,E;O^Z<;<,>,'3.CEK|:*DG19:O M.NG@JM.5MSR8K(#-)H3?
P#Q^M%G;0K-FCD005DC7O@G&!";3|%;J|_D5KH
M8|H|Q|>|T\$)TJ5B&92L(EEMSH\$C)P|T2EHFYAFK6.EFY\$|??NG@08Z#.2Y MB^JJO=\$.N
8)RYRZKU0+O3U(A2.\$WCWJ<@.?L|A#;:8I O/\$?Q(K?;FPCZP|<.#-2B3K-
|V;1^_5P^&M+K(8X\$Q)NBT+JW4E
M!:10J(2P2LO6T_X>PG3J_NAVKL|L:FEZ#08\$00,X&68#4:6P2X|:Q8L\$)Q1 MH!UR(8VKJ7;='V,?
^8CT8ZR.7KJIV,#D&^VW|GK=!=C+B/2CU+GS^_M#=-'C
M>MH*D%MELU(|M,X|E/:T6S*=E2EP|NLT" T&U=FD>|XCT/AS91P4=N"/V\$L= MN>8NU'IR
J8L0K1T|H<'#+G9/2M| ^BB&C>RELJR&C>TB|@YFR=?"ER|5R
MNCQ!BUJ7DDV\$F+;|Z0F>\$3ZC;NW%/(8AH>0H(FL&^>X;QN5&4T66C\$&=+PQ

M4+B:\$F.!F<2S\$A&)MCLD'S^(".:+25Y#J!S>TP|BEJU(99<76CC'..@A>M:RB1&5JZ%5FV?
BQY7&.WCMGDC>7?N/F3A.B0E2%:Z?U5I4B?5/H%RAK|L
MDK:XR#AQ\$9UZI"#H+E,&_>|W#+WAZCF\$J|-29RH\$UE9|=NG(*A8/-T|N;!=M>E^?_2D0|5ZO-
0Z#+G8,*K69CPR^9BS;?3\?CGZ>S/..L7GL/0_#I6(.@MA%O:&IX(%Q;X|K1, #T=|KI5(QV3
#Z2|04*9FTN#4I)8LR04I4.V3YMF#H-"L3%*?SS_8?YWFV!=M|JMU@%?<^JAJD!
<"KM+@,XU7U|Q|WZO1>Q?GRM'KW(44;&%(*)+*U:0L\$#+F.H&*1A=H&MO|-57@('I1-L30%J/Q
M^+|PG'|*MR9F&|&&6GAJ8P#|/>:3;'HUV|4/*_8OD'H1Y#J1KJ_V#R7:8ZDYZMP+V;CO-
/E|1Y,..G(VF^<)J\$DGP#)2LF4*MR<3D7H/WH0CE=+X|QG1TMU" M^|*|
HHN,D|S6=BM>>M1M+L/X3.D6C.%=H=I%U#=-REW MZ|5PXTSY|O_Z_L R^ASJG&X7R&2/W\$
0C\$&.SD3.O8AW@G8=#NG|('XM39|M W'"KEIZ:()B/|VWF'_2VDKO-/U;FC'H1VNJ";>3P|M'
JO3=E+AIR2_64X|HGX.W=BP=P>?;1RH@+|72"^M='X2K\$'5.(?HI43\$2@;I0H2-AWK"R(O
7Q.%J(.TF#1N6#K"K7\A&A-V_V M4<8@'1PLFD3>%-
A8@95\$Q5C\$A:L3R4|IAR|TU+YF71PV\$M5#W9PV\$?.PU4H M:B%.\$L\$#+;864BQ+>)4%
|H1B(9AH1.N.#>=5H7@:4^0@^7<(|6TML-D%UW.N M3|Q+;|O6|TB|'"K\$P.W)9\$7'&R BJ@
>>+AX(FOF*U"7_06)^XC^A/7 M)WJM=,S<\$K)0'FC(?HB02)F52>D:=7.O'@\$|8E#V1R|
-7A46A|&N8NP%ZJ M\$X|2Y|Z59X?H8M#JO*PSRD@7<(B|NFR<|KD()DH4BF;@VB=ZS4P21I6)_A
MR#XJ:%R2M*J|NBZ4>W.9QZ/TX_33YS"YKINS.EGIE0.990_EK8,8R'"SFIQ|MAH%KODN1PDX?
=D|Y|'LI9MI3JD-6(A;D@I=U|HL/'^F;.'9(\$|JLL+JC%SN
M6V>O/X9JQ\$/(T%36@Z3.W2F@,KP(P;V|HNF@4TH32V.HDUKI?Y(595/_?AGG
M7,IV#":RW^0S+;A|L:IPS!"I84.\$1?F@|I<-F3_Q9R".3K.TRM(QV|8GNZ
M; &F@BT'2U6Y4XW^|JNXJ1EI?JV8='3|H0_AF50'C|S20GA^O/E+JZGRY4C M== "AO|Z&>HHP_UCG:-
)OE=I?PKBF7UZ=A"SY4+;K0D&E\$6Z;6(H+3|X)P7 M|_7^577W('RZW&FFET'J_*I#0ZMDQ.L
T1NC2|7Z M8,|8|XXOT?J'ED/KY*+D)Y#+O9H|MP;:6^0@.ZM+-C;:JDOBUGYW&P4M+6
MR+9VW@LU%JTM"L7(\$>B?/_D R.?&M)8ZV^J<#9SS3K|Z!-=!OGGR|7E#-?? MFK\|7Y>5#-W3V'?
+ \$SRTP^1Q8F2S44HIA2F(-A8B9V1O+SZ2B6|#!;)(*W_
MRHVS2397.@H9N(|0:AV+J>ZNDPR8|E'KDI3QITF|/^MD|WTX=\$RR^3|;.<|D M|^L|!*8LC;2H|S)
0K&0I1* W*4G#GTQ=SNO/5|<|GVTON.N5Q|R'_ (M)U= M<#WK7*Y|+9S+MIB1\$UT|N
R(A0KT"D9>2JM+XY'E,NUE_ ;VS>7: M1_0=7/45KS+R.68;?8Z-D'.0"C,Z,'5C*|D<1)\$0N/-%|Y1,J2Y=?
O>#^40(MU%MI@SS#OO|K,Z;:GNN5X_H|&M8/+D%_ =>|H%|_J&FMMY4/WT.\$MV|_Y_8YB|_W-
Z46P1FF=|5B7M M5V5|J>L *E<2#8I9IN//3X,Z0OYCM3>Z8_)6HB\$5Y8|*K1=0#:DN6I?.\$G@
M0F&@HRXQ|81L@, #Z;EA?>'>T|H?)<D(|_3R|D%ZJ191 (KZQ_H+|P|5G^#),D|'#OT|2|THF&:3-
5D'9G&F5OPZ%7=,CXZ M\$F+@9W#+5J@OM#M6?X/DW-
P+NT+^>31/85P7;|/KA6&LB"723EME'46A&&U MR3HGL5F-
H#4W1DCMR&HE^|S&0SF|_J"OZY,F'57#DZ_5?69/B M5>U9?.U&G8PVS&A(6<@Z0R-
!+,% "\$F2=%>ZTU*U3P(|?>Q!>3T1|4\$|VU@ MUN|F)I<20JF=<6LV+GGSSK,"R3%;8@S9L|:9KLW
#_76/3|+;Y^9IU^VN3R.
MUSOB|_!H9SC54A2|4QR\$QF4+@6|,1F\$1^%|I#IA+ZU>NFI|_ ^@&H@S)@0XW@
M09KH5#);L5P5LNZ IF-1|362TSR\$'ZZ9+2H^0JS|E1VEYYB#JXG.MY'FJU'#N*?8UR0L9_ ^10?4:
|H^9|HGH\$FN M:E&_DA;XTC;|95(S|D4K="O:A|J|I&TA,,+ +_#4+PT0!&IU1))85RNQ/%
MOK&\$AT.X34%|H9J;#B_VAH|_ .|F>BMLX5W4*|J=(K>@3+\$04%J0@IQ9B|9) MN|,0R|A/%VV-|)
|X|/EU68:OZ+C-M^8T4E49MHE_2|5M_6D9.W7|&2<_V=3 MTEKFVP'+3<38|=,>+0_,%|H|50"
(RP== \$Z3 MH5QDAB"LX=X\$^F;K|Y26^(>GVJF=Y%,IOT.*P|K^?VRZFCM)C
M_|%|8K0;+P#G1V"HL_7-C|=W<58IVIR=-;_HSRM%_%"Z4%IT+UF;/'8^FNEXAC+GGQ@ MR0P9,UQ!
<\$*|+SYDU,'DU#H6V@)|5X|V@!;A0A=-L884?/I)-8.A0R<+|HL M;IM,L)QAZ_! *EX4,|3IP2EYO?
RHX%2/.Y=F')7I)_QV\$EZ=?|OH&=KJ'.D M(BP?L&T\$%S@G&T|95J=WH
Z2^4>.*=-5#@95Z9|=-8A!+T%VMJOW@5' M>X&=YC6BF1IWH<1.AB>*(K0N-H032*Y
R'6@9|!)@RA"\$DA36/YPB<@R,O M&2?BQOZB|"+>D221U;='UZ5B@GAD"D.UM\$J%28/T2<)P3NK)
M*|M9VUAT0 MP_O4#94T;2GA+B-;YD@_L;F^@F_X'CZN:YX|6FM(?HH?+;:&@Y&AE|T+6G*
M#E(P2L8IP3_-Z|>BK_(DD7B<)UU#| M&NMU5U;|OO8QXX75^BMNP?E("KIBD)."Z9;^V2|
'Q*Y.FGE|H0'U<"^(<| M@%#CV;|2H5SVWGRW|H6_?&^;.-<@JQ3%8BT\$+D,@,F&XGD=>_*ZJ?J.T%Y<
MH9ZZ|&\$&Y%90-(*_9NR KY-G|!"VTSA'711|Y|3JH)4N|X#.*T7&\$MQD)<-
MR'5VX#.7P\$HL45M.WV|;N8TK'G 8SH+TNRCC'YD^7\$Z(727!'"=#JYNGZ5 M03+ON8 H5""
G(%GW(V!-8XF65N?J|H|.H\$CY9-J;B9)(V4T,'G6E_-F#?? MW&N#[4*XH&7ACCQ#96BC.)
(!9H3\$&F,G+"GUC;T;LB&YLY/5|TT_Y6CO5| MQOXFU?K=-Y?D?|+?6#4Z;_LR_>
|7ALWF|UYU,KEE2,(8@:4S1T/UD)%KG@ M&73PP1D7L\$OM6+;BT>8438GG0"M%*N_#J
+76TC&M;)2M^XH|QUJQ?5C; MKU9L'V6?RZ/ON|LX'^51F'VM8>_5KDN2|M8";4|>=^@?
+V5N*#5**QC %"4 MR(1EHG4CEJU@3A_E&)0;MOG:1\$<|('OK.#5E^H_RGL0Q#^E&* \$7A+VB&0^B
M.U\$|HXTZ;Y.DCRY.PYJL;= %:Y>"FA9?R.%RJKXNY&R5|UD3^"? "EH?B&* WC|/&)QM|:
MMA5UAY@\$W;&?H, EH#L9V4DKE7U4M#;'R5M&44?%9,!@DS?!(#9/1;L'SJ_, ML3_&7&ZFCG,J
ODM_#7Z=|GIVT:@,S?_1H_KOWX;%GB174|3H@#-;:"CUA:P M6@|HV'LMWV+WLU\$B4_R&
M.;0>9WC!>4\$K;J/OX%B= 6X@V%!?F(W@\$AUWI4L=)?)5!/N"GQDQ.K0*W>VI M|>DZ^_
|^-O"*J9U,1&8Q523 DMTAX-XD;;5G|8L|'\$#X|:G94X(GZ?;Z| M_/0IS+Y.RUN<+VC?+"MQ:X|KE8'QM?
73|ZZ?U^,% ^*"UGL|L,Q*E3|*P.J4 M-VJF!,^9@JBE"Y:9B+)|Y#O43>@@V)BGI\$^V^Q*OX%(?H?
*AIR@/C3#/&FN?E M/<.'X'U8VN|A>|HEGM#| K^U1 XIBS9)'5<2)2.3|6#=#VA)Y)%EU(A&|W>
M=K6.OOQO GC|#[Y|<>#V17^P+GH|UQTLB.ME3/*MMEJ|K*G7LW""|9SF(?D(
MFNP;)|U*QX^%O|H;+V.1H|7S9%LS|Z|.S%39*<6"|2\$T3YQ^+Q|X\$G|S&F|
MCVH;Q_5O>P85Y%66.-TBS#-I(?%0@P>|9O|B(6&YXDA.F;C;B9B;@I_W?_09

M^M/=I3=M+_QS>MA|_>|+|BQ_F=#*+I?R7 [3?AQ3/Y8/F3-?Y|.OM"Z;|^= MCL<_3V?
U^UUX+"A\$(JO9^P1^*)!DOU2T&;ME',NG\USYT\$K/\$.F=W9MSI= MCW.
/K/H%7@@?"BNH@0M_.G'+B*YA@-G&F\$IV);5VDP9;W"/:).P=/@=-0#% M3F\$I|'S0O|&/6_Q_F:S?
S'9(@4S(#TG+YG5>:7"% (C),1-^4">SU;Z?FTO M.^DD.^D(@IU3J^T^U_F/I3Z^K3,P@UBS/91&5F?
_0A&(62,QIHLHLK-(T# MK>UE(YUD(QU!L%Z9&UW625HH.+JY5..M|
<8%\$)I."F7J|">K/\$2NC!,V>8QG M4_VX_)>MM-)MM-Q_.N0&#*@,>MX-
B\$%" +7EAL)8% ^K(HF4*T7KKA8R/9C_=
MZR^=I1;^B;/'^GW5U|P%CI|@TD#Z*2SPYS":_2.,+'FYHDQZ!*5A!B"!;59 M?<#B!B++V5D?
E7*/QXXX2_2/Z^Q|-&&B;A1\5+|O|N*XL%)DZ2W6(+8")56 M;+P
3F=ID;P&|YIW\$#B#=#3^BO7<.Y#_#C;P73',VBW_9Q^>YCWMR^!%'SQX61_@&Z>RB8|PR"|JC M)
<4R4>/Q18?:2C#=#SDT^W|VY^)?-O_Y.N;:>"Z,\$;S+&+,+[6EA<24J8*1"B9_.\$'Z)4@M
M@ (DD78K>)/X'E/N6^DC.E_//6|8C% =?)*=V@!_V|6K?+E"FY^O|8" _GVZ M^&|<7#<)OK
|ULQG!;CJN195@6|U!)=3D4@V&U.MS|5NBWEVF^\$!_-!;.^V ML-7F)NMG_:7Z|_B%"RF)6"4?
R#)316KPQ45 |@J;PADVST(>=H4O.^-|"+35 M0FY5_X^ (7SZ>1JN/3O8;::AW1XA?
M#/_&X&O;|!#;J4E|_I;)/?OU7^#2; MA#7@-?.B\$M);ET'0KZ!\$Y.
ETV3Q<;EL7(^ES+M;ZM9MUUGN0"D<(24A2&\$-^@48.RI8ZX8H|'"%*T+6@_7MA
M%&^=QS4L&7;G3P,_%_1=0<.D 6,HP|D(EI.%K.OZIK50-=E9!(A9JW)8B\6 MO*|MH()MC:<8KJU-
;)OZEEFG|ZKI6EC\$?>H=ZRS|EY_|J_T-?_JW(VFN?1 MLCGX&H+5MN4R
<2A;PGK2TX5!&XEEQ@#DDU|YC|_0G0H;6@NIR)2QP_@GC MM_@%)Y=7;OY9FE9;LAQ+AISZ|3"!R
|J\$5ZT M%'R'P/6W==PR22-QJ/5G+H:>_VI X2C F8TW99^ C"4,+X|@G MP|
EZV4^|(#OA(SIYZFVUDN'.V<+UH&|_3^5(#?Y17|SDNYA>:O*SDB._6 M":S5+222I\$N-
&S(;;)_QYAE3NZ-|OPY5B>-FJR|+@5KRTN|ADNWZ/>OZ8L_ M?@RS#SA?
YUMTR=*YC//%*+WZ5&VOB|BC-E(&L-K3(%&3OLV%.YGBG9N?0LYDKB*= FV\$UT2%+;A?
PFY|!7_5<#ZG?|!>T|ID M3:%\$B|Q" D3J|T@,EWS5H&(W@@I8_1W6A)VNCDW WQ*3.NG MF;LT,L?
QV1NOUC<2XK=O;)T:*#M.|2P_6VLO^ ^H#_JSRH0 M5GX,GT>+;/YU.I_C?'UE\$ITC2P&!UXM2A<+
(V|,%;\$Z2C#^>DJFE,6X++\$ ^% M0H/KY2ZO_!"F|J|&X|5H#9>K;|67F2PO\$4!%R2&;Y
!C1&,5X2VGL*QO0'P* M|!I".QOBE;W"W=|'+M8W|T4VZ+Q\$!9\$%#DKZ.AG4%_@F";L#C+9B.|I
M|;B;7C;0Z*BH|Q@;@;S%?)LR5_!7FZF_13_+|+4PN"|GTEW5DXJM)7K|ASB|" M3J|+FL1FN:B% ^
(B;@'|>L*P28F9FESEFMK?_!|3*=3#|;2;4M-56BWB#LV74 MXJ*PVJ^M|'
LT6*LKH_@S\$"*J+E)P4=Y>Y1E3|)=X7HA70-|;2#?|97|=,R. MRBB%R>(J,O'WR>Q;G<8-
I^27^5L|_|DDQ/'7-V0VCN(85W?|V7U3PA37O_M MB^*5# #QH\$'2"@U*U^PA&#U'T'3|3YGFP^?
Z+;4I4/>+C!;5<#|4=9F1!T\$|JC;!O1:>^RB|K0|9X1R2XUUH/W2H'@'IDK(B77
M.K5N=W1/B6N==+*!|NV"Z#>\$0%^;T0|_GW#U^R|DEA#IP%)|K0?|F|EH.OMO M#+.+;()VUB.@K-
4*PFCPJ;9U2%8(DRSGIK4;>@S>IT2QP?2V@72M0NXW1/(O
M'(A^3J>YCJ*>I/%E39;_&>GCPO@Z<6.9P4K_|?Y_)|I1|VQ")&X;R-@*&V M(Y;90O3"@3%
(&T@KZW"7B%IC6\$^!;J?6U@;F'1S9OY+2|=;8X_*<&AB,H5N MJJ05*+0"G.(2,E<9A4_6B-
N>Q;'GW\$% GP+KAM/4|GZYKG74?Y|DG"U(K/3U M-^LDQWFSFNI|?
WK3^NK=U|&ZU|J.FP4AP\$GZ>LTRFWQM)^',VM!Y90A)E7#
MK9I+P10+N;6_ =2^@9B;9C1^ ^J@X5!HW1D8&14H**\$=5;'Z?E
MW6JMIY'VD&6UN^!ZSK76>^EMU_K;0X0^)"F"5-(B)B)|BJ|'"N!L8(%@XZ*
ML<);|RQZ#+767;BPCZO|M)=_H;36L^Q5I5+D7C-Y%00,7,0B0Y)|M0_MN|_M^6B*;O?
2W9Y%M_L(OD-AW.8">VC\$SR"|;IZ;8)|8;&("*)F;P4H349SKP&
M_Q@&'WB'L?|99SCOR_)ZGS|A7|Y-MZ>3C>/6AFH|<*U1V4|Y@.1|A|F//A|G|O
MO!|*12\$|74VUB36;2=X;5ARN%A2*'YO6'_O/B_-Q6#|L(^|/^%A?7B9HS7/. M\$*RLN;+!|TU)+?
4=R')DLS*3;25V-.7 J Z&1HNY7_P%2|F_9WNKJ4+8\$X5_ ME<;7N2;X+!,DZC_/#0S3%|Y/5T'|JSH?
7%S.)O;4PV8\$|;84+-!-E4D=6. M(D'72U6&|!23MG4R0N|UG=|B;1X;'3HY;HN5_|AL4_IY?
C_ NGS|2;XU;UBU; M+BO&8|F*(')MTH=(.28>#.#."^Q|) &NB>0|J4GI(&T-6@0;Z5F-|@)(SK M??
|JDIVN|@82;8H03J?Z4|BM;Y29F N>N-U.NE.)XI^L:T'X3X# MKC776L|&X#=#Z3;|?972|!+SA?
+92Q|);J"+1HEH(->F9'KXF(L> ^TDNM1 M?'T/Q*=\$K)|;:6RD+D=PK)-
_5NUH;^!OYF!/_OE,L|J\$JA)+H6/62C(E)(> M7!U
*!5+\$D54,NY2|W7ASX%8O25=\$.CL\$<9=R23VVICP05%|'9(|&;NFI3!
M6<6*M">:*3_MHONFM#JEMCKTZ=ZG&XH7,JND@6%4=6!WHBM82"#_1/G@R;UJ
MGEKX*#K4=+"3NNAD;WON3A7U/V'!V6QIZJUF!85)ONIX0MA'=9|DS*;)3!7 M(R_3'^;3|2A7#_Z';
Z3.MH=<=&N#K|;#J;5^|UEUJCF_X_/6+L_3S|4/KT_ MAMGL;UFI.LZO=X". 2V&|;47%LE.'B?(RBM6-
09!1UZC8^+^6 =>UYN_XA5 M)8HJ|NC;9|S49#=:M81@ZN9G5AB?
T6A|NPU|OU4/V@N@-2=NGXHM)7^ ^?0%^ M#Y|6-
0LFEY"3R*"MI).H|@%UIB0(R7!&QD%BI5OKWSMH3E7QU53G#Y8#R3|_M08K"*|*K;:(f8!NL6|
UKG/I&'8#G>BOA\$*&)HD6A7|1?+ ,FT)Q8L@>+F M\$|5)A5ZJU#I58'AR|_U!H#|W|I'|"
<8T;UG;NPD/G&=:+<,H=:WHS&HLA#9 MQ=8FV2,8TWRH_08)G/Q4K!V?:T|VF87)O&1G
M;:>MNU^CD|OST*,*0@_MZ02,J&N5;Z2%HP"+D2=AR:3.K4-5NV)|BE9E%|UTJ,VYC6F|379!UZ=|=3
4=#I@MZ'2(*B=6'|CIU|".>%UAHQOG%E.D,=H0&/B1@/ MV)NGY,4^DA_ DPME^C*ZOR!B==-)J<-
F1\$"Q=O&2&Q#), S.L(*MF^+MCW)X M&Z6%?A^|=9HJIX/9>F.4|J\$UT;W_B.J;09L@5ETJ;F#!:V^-.
V=*SE\$'|@F25/CT-)#_ \$N77W*K|PA65A\$P.CI-D&|AE0IXE>ML9M6B7UWLPI7>4OIE-
25;+KV_H.XLPR:_ M?3GZ7-/A#D_3/>13CDN/V7I=C5)IO_005S<^)|IUR@G+!5. @M.;8CU1H8@"
MJ\$TR0@800FMK|V%41S|VI8^8+|?X1|GZ6:M0*6/1B!|(DZ*@4660|@W,I@|B; M)VN%<|CZE-
H5VU"IM8TY;MCG>=;JWBSYTF/952P>|>_QJ|KUN+|P*QTV/&#O!_|+1 M7+6|4N=
(O9R(0EH69#D|2*XD4\$;+50\$@F9*6;U0AA|\$.GO//;S@'YNRCC@Z_ M^97LSJMP:/^KN7*F323;

[illegible]

<I/UW"%45MSU:X!>XY)YZG F2!&3#*)2E+I&U+I3? M%>.QPOG->+(JEM)!*:
<.ZC\BO44\$*ZH8E7\$. "HL95\$D(CAL!!JU RS)WN37! MMD Y78B_A_H?EMLW4\$./=@L;8-
5OIWF5#S!\$8*6DD-R"E,J,D,X Q:I Y2B9C1E3^V%B.0)0G"F!PY=Q_8P?IE,OWZ M.5_
OL/G^I!9:BSZ23.Y M-8fD_!75>\$2G*+E=?TZFO\I^&LY-O4/A,EH"=9J%A QK(A6
MWJ3+;9!_3AIM(L/&^?{K!./^7KBF#&"YVD!>:M!Z5#@>"L@ZADMC\$ALWK(MY?
N!#STG#>XOK<9QEGID_)KCU70T7Z7Y&*&R2,S2XTNIX\D5!.X39"%WCWN-7#J (QG|<.=58\$-
MX^*>QNNY=LU!%G# MO.!'T9Q@IMW1M#KJH+&.>!(%3H);,C\$31C6-
^A!*@S!')H>+ID%CI\VO3',XR+\$W#5/I;KX'Q0#H(5-7\M2!N8T=[H'JVfIV@^0<8?|VW5@
M+!'CI\$Q@&7/D%7GR;8U3P+BR.7++=6G=L>-(2G_B?K;_SG<1;,>/C^6 MA22,@^R\$)>8;LG\$|QQJD\$-
RfY\$(<9-3ODG"P#%;OQP!\$ MG0R\$=32GL1-J6O21=8=#(4-R(1C*F?
&P*;D03\$Z"VM9+7!8|Z<_*+F.5G' MTOX3IL+1E+^+B'LH?4(>|0^HKWM RDP3Z"MNN2F*(M%!0EE-
8^"JWF8 M=9AD%"P6@?3G &/0SJ^|7"HUAZ2H*(.Q@,UUFa>/F/Z>3JZV+IHS*B?|1*M9C
J>E=BK6Z7 I0(\$H*FET!(7ZQB.BG3NNGY\$Y!>A?04BWKK-\$=6;-1988 M|&11/ GN- 9&4Y4.AL!^NAP
#T-5%BA5?8>K+<*5-'DH7LA:HJFZT(0G.76 M|TB2^@KT8< M9.XM3UZ:H^| (8O@# 'U7#!-
%IA1*43TIM"/>XYLXC=7_&+EZZJZ#.??33.\$Z^ MY!MWX#N\K.79OW|. >?YFG-ZDM-
_7M8U7\$YF5|,ZP^>@FLRV'6Q^>9U+MY= M1)N=20Z2RZE.HPC@Q7&V3.DR?JK8)INP4!|OA-1
M'0+|&);?<,BGL0>?(XL>VD|4Z"W\$;#?%>GKTHO@*&R9%GQ#&A3!\$9'DHG1
M12^| ^KRG9NX3AND9\$W<7S3<_Z+W|H1^KHAVN5E\$R/U\$HK.KKJS9 DVSZDX,!D
MGP)+3*DR9"+4V@>?V-|LI8Y)*UGV",M=A5G^|ZN:1?8'?D)1T=)EG5-%F*Q
M6KO&9H)5(O#B0U(YJ!R;5P%OA0(J#+<6:EAGA^W CE51X !@G6RIK;.!%)YK MH;JGZ7" W#L8;-
L!DBL<&#<),# +RSU%F|_4_9|HY3J^#1|XZJ>?(A'@J8G=4 M/NPBJOX\6)YIEJ\$M-C)P62*H;.LD,^N
*ZFL8XZ5TOJF="0XJL3C13UN/KW MD('RV%U*KZ=? FC|<)"JCUU1FEI+BURG;ZCBOPBHU!/9
=|L@B*TW>.,\$V 6 MB^-DZ40N6^?|H+O692?_ =RDM4@WM72@T++@+OU8Q9U_'OVQ:
(")XT|U)GW= M,/_|^C3Y|H^|_"_RG_;Y;+U>7/HY(O?&)"6Z7)N= 1A)2!A!>RZ98:P(M/F@|R
Z4.@30&5'L:&H|3A>)>ZZS)Z2CF"16<=<9\$B;G)&0NUO:|E"!Q-5(DY M*?%A0_@.'21N
9T1:=H)OG&9|^::JW9M#_9E?B|WDGY'#+|@ M|A/Y1R|D'2^|JHRH52:QYBES|H-R2)N0V;.^#-
B533H>KE?G+5|Z_ Z"P> MIX|XSW|<0>791;&9+QHE6QOJ-1,WX'4,\$FRDLM<=&A|1@V
M=59\$::N\$#EEN_R !U5|P|T78T9T2%1B+O<?_ C|DD_3FZO+SPN93B903G->%
(3H,W+H.,R4=NA9%K MTPT.W@.6SSXC1>|ESG6UN@|7;'5R|:QZ'_ (I2839CXJB_6UX|WBHUO|@U%
MIC^| ^G+72Y|=2"FT2)'8ZG.-Y*4G,|2FX(9#;8G*7N\NHV7P|*7N>P M/UH7|S>?R)?
|5\$WRI6^WN!VHQ,L,N%2ZZC7RVFC#.,9X39+2VMOGA MX/EBKT?A^LRW|9.^CAY,0 MIA1&+X-
WP+CTM;@X !IK0!>5G?&%, =7Z,NEE|5/ORY=Q_ ^G|KW5CBA-6V9 MG- H9B!@M&|4S)R| "B|*^?
13WTGTC_ =3WT5NQ^JG+ISDQ>H"4J@,BG-)RRL1 MM'.;L2R|PR&QRI?43WU?
C3;18>L.6W>,FY_&I:YQ%2XC-%Y 9+^!RHIVH^* MU!!#B\$KS;&0:U)YfR^>?DUZ;R+##'-
*,:T=9BPJ\$8>0)N43!|DKPD0G01GC/ MN%=VK2G:6=WB=O47|Y+R<7(HF|SWB6A|%)JY J;E5JB
=.L*Q6HH@(@R_)1G&\$ M=,NSN=SMRL7GP(&.|D6+9=WYS87*2;M8:EMD2|O"B#5Y-0/SDD<9,U.L=:),
MIZ7|3>UC<*##&=UR6== Y2(+P:VCT|<@)REGG|&94(|A.! "B3R&UA43|5?Q M-Z\$|:
fY#*UH94!M75NP6G#@*T.YBU.IH(9A7+Z_R|S^9OCV,7^=3.?UG?KU.CBX M?V9#T|2E)HJ'.U|,F
!870%M,3%DGHFEM>*V!
M:)>IL/KHZRBC\$U9R9LF@D)K>DN)KJ96C58HH\$F.Z|.8U!5N@'"OOX# #|:LJ MV%^NSR5YX+8ISG*?
7;YMUQUM33WN CEQG_W#%?60 @+=+N;OJ92!# M37(%|VCM;&S<=?=#3!|D8W_A3EI|G&8_I?<?
MPG24WEY.KM)R94M.TAFG?6TOFY6J7@Z=.B9',*@Q)QES6(OB;!QON.7S7ZKB MFLBK|6M&
|DZ^O!Q5W_B'|&E%*A&ECE)EL#;.L.M.K@A-L,4&Z,\$M*4O)A M4F M!6|!|>|O<,EU,C^_!<?
1&,=QA)>_YND?HYA7C?F<4%YYLOD,|7 LU2;E;?GXEZJ^%M)J>(U|O9%/OTZF=)+?M@A8H?
(RDXFN&-"| M'5+1UW)N\$6B3YX)E8T-.0Q*=MC_A|JOD|1E%*+0%1&U>I'2TA-
8RR\$ \$IKHUG(CULB|OQ MH-SO|2^5|>0=L:|PJY;CIY>O_41Y, #.J;!# =+6!,M2HPP.A"P272R8U\$//
M99/R-WST2U7LH5+J4*F^ND|Y.+F| '\$R_1.GZ0)5S%*9!#XS#RH8 <M:#4OH?C6PS
VP#B^DMM>4AXJV0Y9;3?9=>BYBS)(L@*LKK/G\$P3-/6@OG+9) M)&|/IQ+|8\$5LRU'<18H=
|HENPKS+L_ W5U,Z).C@&\$W214B"R41F'R|U_59G
M#XYQ!TY%XYUC#E/KB^/'|)R/U@^6=L?M2|Y)SB-!|96X_"BP|^%&_EW2"BZV;82CPYST9"TI/5)
M2RLM08&4Q:08E#&Y=0;0YLU_ S7|J.4K+O*W8KSZ(414\$'VH" MMBD*-.&\$ M.>YWK<-
:NW#A/(NPEWZVGX1&2@-|AM*8P_9&|Y|BL?7JW%)|' MU| \$M0T=D(9!| #9YL'SI'4\$-
'L@+MBG)S+@RO5ZCGWMGZ/ 23Z,C)T\$M.F9%O ^#IS"HL U(|L M?XQ)>_5S=LW':KRD#)Y=-
+Y3ALXNDN^>IC\$ \$S&O-T-E)48_F.^PCY>ZJ%TZH
MH@P#5TN=%,H((28%1J&)|DIF=QG<1;N/4@4VW|3'DXE @-"*5S M|2O+(!A7P*;H,'
RFL,+C6GL).@G8AJ|2*EUSLZ>L3-TL@06+5@6%"@?;EQ5-M)|*C'
QDQ#*\$,6^T\$CEOLH_AK2;Y|UM#;:C|K(Q),E42(V|5672 W#':NK2(MPEO_ *#IF<|V*6%?-3>268>;
|TCJL5_RY9L"#EZ|B MUN!8\$M6?8<):S#JV0O_>=XYV>V|M')< MT"O3NG>@#<3G;^CE|XPET4_UP
MBC736P?/85?8)0=!&ZN%D"UMKZK0CETTIP5\$PZ7B3LJ'5Y1G0;GO(-GRK)= MU-
78KOD^_Y\$O)U|S^BW'S^>)Y>33MX|UU-OL YW;X_FBU|&_QE^7/|S^I>4Y
MSFK%5.0!%!.U1@XF86&8EJK79!)MLG|_0'^^ZJK@R4FTTR%OZ/W| M<:608A*ZD\$9+
(BfT1J_AKA\$)G(636WK>_ CP"YSP9U%H/K5VJZ|N MM2G%KY_R_Q.G>A#J| X?02KE:~W*9S?(PQKZ
MP|.D0S^9-S2P9|YQ4=-_6;::|I*=H|*/7H59;1.E\$Q\$,8IDZ+)|UCVLV=BX M2|"GWMDAZ*?;W>|>
|_!FH?@VSAVY +DT!;8N_L|0A;9_EY_V9PX0_D/U M'2"YAAOU0SC*N,*|4!&<-
T63":3@C8(9WURZ#V_PWG.2MPBZ?07G^|'"RQ MWGXA27VY^K(|J#
<&_.6LU)K4A7MY:A%@1AB|@FC"&R0Q?6\$YNXJ|@'Z4%B MG|2064,#>@\$\$_|H#A#.5C#0(-M-
1KY2CE>A0H\$A+OR7;3?!!#OU3RKOIT!>H MO+UE=J1Y# '53D5(8RX(!

!@-9W)&1\$8=&0U;Z)=V=\X\G6,7/9QDBDMF,7#I&7#G:Q6ADH U7AX,-SR37<)*
MZQ*=ES7%I2I/=A'_L>9\$R!) "XEF"CC496S(GC\$.UL7(BG,^#RJ+?TES(G92 MPY Y\$;O(L,-=Z77;Q-
'XTI(H@L:%X%6\$6'!&.,?KC\$!%C@<+22;MT&IK2^MZ MFS40YV0A'";A#D/?[P%:W>L-@-3)&M@
YS3G_X&*>DSM;TBYPUF_"5HL47G% M:O9\;;E+/Q TKT"SC\$84ENPI>E^-
4<9IWU_LNPNW;MTU&;TL4#^1Q A2J M IYS;I9J3S^IE-
3#5@G/L&_-P2+>VKUM%_GTZ\YV;WVKJPF>I-&U)43+Q4+ M;9 +PDC (O?1&C%D;-
IC3WG9JFPHPOZ;[KNKBN])N0>-G_&;_I(7@+&#B^O MTW68I4VG1(S9).N^19IVV^O^I M)/
_O39,1FP^;NCT+4S::'8O&?8VFSZ04Y'^<_Q\$OL%.)HN^M' _/IAKTCN MX_NR:E/_YDOMK'"1?
1%^@S1:T;(50!7F (57#0RFY#6=N^FUM5.:%Z7XZD MIXZ-41X4J<=>\$EK!Z>2J4RJBXH!!
()DFP@8="Q>YUHQ_!H M-A)#I!OATXG MC^3@7/?K^6DJ2,+K((@J5=6!=-*V(MKO,@2T/9=[CVZS4?
%!GCB2#/90-=S*)EW=WTU5&19N4K@-L%W5V*JGK\$K0O&I1 "QA=H" _<.<6L2K^U
MGC0\$UTMG1G/9K_/#'=0^84MJ^4_C#1-)=?C>3>9OKZ93^OWE-W+YR\$OIGT5\ MKZBH:?
W\$9"\$J\$+;G'.<@^6^2_1T;)GL&=\$O, M&F/(XVUB;RR"%\$Y<"P)#C9E2;QUA/8GP7-
&O:@._;+=E%7ZIRHJJE\B5/ MZSSZ*<;Y;/6+GT?DP-)\#W]=SH^5POE?)KF?+>5%
(L9A0;'1DKY0B(6AE M@.L@).KH-0Z9ZW80B.=?+_Z3>B>GT\$WC/*X#6V?X@AB(OLBU0AT;3JW:\$SO
MT!9FE>-F4%.W>C@_Z31>UUT7@_Z?16&X4S#"PRX,*ZV/>81)@_M)29\$Y"+A\W S[RIR=ZG51>9^S?
7Y!_3F@M#&YC23G(HMH^6EL@0K3!6C3IZ*JB_PIV*MMN!;/7#7 _R*HW&GVXR,8/RQ5F9C;IZ#@JA M
&O&=A#%&2&E2\;UO(EAR,Z)*OUT<5SW_Z@I57@I^KB@N4D/>8"LO!(B\$D>
M(4L\$Y>GCHTB9K74EH'C;\$%Y3DSJK*/C\KFM.OC,H?4B.9'\$.^6:N\ FT"==^7^SZUTG\O*+DC
;\$_@TDEWSMIV_!MI>R\IV21"%D+KYJ_!X1Z3HPZAK;VYM6V2B2YJ3%9!18GY7H)>"_+M3>M0WN\JP-
CH@J^30)OZ68M)TO8UF_JU@6IHXY#DG%V11Q^/IX!1'_AW60\MO8?OEM+!2,S:4AAD:>4)
23B6V"RZR%D\I(V3YEON8"#_!\$&8*ICXOIK^XUB MR;25J*+6V@B?I*VS5 JB%RZQYI&Y5N"/-=?P=-
Q=VXY/HO=GDU6S6OUWWY9K MK9_ZXS3_JU4>QV^+,&DVBDfEM' A1;VB8K^T"(QTIAB5;7;32?
MK;T\!_U3OG_M1^S9QMI&>NMQ8*"N G@JLW4 (B\AG>B)G6JMU&G<9Z.1&%4+FHf9>T
MJSORTR4OX#VW\$*/_W^CN;3NZ';RZCR5^_(F+.;.H\\$(F-G-7GPSMR/R4H(! MG725
1D;/HL"&3\$DYI2VLO5PX"&X3A W;*W0_80Y2/L=0D%W7H;;_YRE-Z MR.=O/I?
HYG6O&VT_/@UJH;*DGI7X;?I\;V;SQ82X*O,+1;3U;@I4610 MKB9PI*PA*0,8DJ"=;AUN\$|#I.ID2*W4>9
+?2TG>Y \$RMHGCE\$[D'\$&JY@_MIH SO@#GPFF?Z?
Y1K6.3C\!Y;0391PM^VD%6'^<%345(Z;ON2,+426WAP41&! M0V#%R>*TZW;MN [GM1%D^RWT28#;!?
4X^ME\>E5E<-V:.%IMD'E(=JFBJ4 M1LO)/Q!>V=JN\3VH>E-4%ZY?I5_/QVR8WZ;XGA6\K2*Y=
<1_6,4;_VC5KGS_6CKY6RW7<;*JSL_)LEYS<%KMJHEI;:&<")P-"I"/.>69\JUC\<^?
J4\7ACYOHNZBU;Z3D7#1^V\DS>_SUEL=%/(MD3@/M2D.N*1SO?
I5X!4W0,+2.C&.OK0^B#;P<8EE1P%@A;ET1UBT>I(U;DR(G/+DTRMLU\V(WG%A&F@_MF@X\IS__?
36:??_NU6JA+(_8Z_N-0,D/D95XQ0L5IH3\$C2*%JRL(7Y5H39C.2 M5TR8\JKIX1Q.IGGT:?
R/R1\Y.JY+_3Z^U9@+;5ZTYEL@^F599J_C>F#HQ04H(M(29(P6JK7\$FQN7VS^1ZTDB M^!08!)
<31V7KX=KCV/J;8V4TJ^1^5XX^9;U\UH5NL^KJ;Y39@M8%XPG;1V
MCD%&_L^4EH0M>PG6!Z8Y=O.*DK<8ZW.QL!7B1O&!2CI4 M!;J%I;I9!4!O^B&^F8:6XW;P5S?
HU5MQ06NPD\O\W-G?>D\?63F\&5B) M0Y2Y_@T+"3#EQ10\8QV&DK%U-?P9*JYK^F@NZ;S\;
(HQJW/\$JL;!*050_T M)M4?M5KG\6H M9/QOC_&R&-PG+;7@Y/OH4%-&D@?_
ZR@D%0T&S0POS1O/G&4/F MJ%((+GH!9.\$B^D9N<_Y6<7GFI5_IL6:_4JA=M^?R,I4A8ANA6JH8/J5?91
MUADY9NNU\$-OTI=&8^KDU&P#=-H(,6>GN2"@<(O8_-L!52,L7DY_4(3.H;"X\$6M3")9L
M*-85UMH+/2X9GK_C3XM7;78A^A%8TPXJ?2#+61M+EKF6\$+;_Y!YD71K/_1Q1*^=
M0HUT=80*SQ_>#?Z%GA>F3@/TC4/I?A;IOH;4NHO MI&W=
<>L"WHS'5WCYYLOD;CR_8(\$+DR,#61MC*9L"^((DKRR"5AYS\+V)>- "M_N;K*9C0P=7?
8S'_^OHG3M.'Z2CF^F_KJYMTI?70^I('EVN^*B\$.I+G\$VJ_ M396L;J_M@XG).VVX";U;7?
=;RHD/S\$_NM39KKRJ6K?U0TV%G=5Q6#^_R42>_M7HJHK\$++M50+(U>U?9D^K!.P6+%^62;
<5*W3S0;_>LUL;*VU#C6X>[PPWT_ ^M' JY910F817W8(S6H+QP9
%Q^1*9RDS3NWMF=,XV?"D0ZUPW<_G3R; M3;8+4?J\K3!_ ^NOB!1U_6KB.%P*S0^?K4.5:6F2"AN
"IRJ"!RQ1892MH; MV%XS;IOHKT/M6H ZGW#^B)X;L.O98^*_(&CRIH-E\GT5_KMG>#^55?
MK1Y\8)%8%PDTJBfK0!;7C??PW-)328E>A0A>U9^I;#-X:QAP7920N6!N/A/G M^4@'9V MI\N^+YL?
=)UJP#WMK\$XA6.\$=*I8U;),Y,/J=92XPUGQ4ZB!@QZK7 M;LF+M32MYAIXAM55=T*(BQU_\$.F6&'-
"ZVK; #K+G;3-7K@Q6>4UG!9L&-9 MU29(TH*ZL"!0>,SH-%ASC*ASK\F^1\&R/<4)&JBC@/@-
HI&6@'F"TY78;SG.OG(V6Y)&M)^I0). M2!>=LB(T#^SN"/&\$F\$S/4^_IZ0.V28_S;C+SBGPWW
QONDE!BMU;K2+I+T@_M;F\U#L(&^E\&YD5KFV@7?&?(IFJ;,&9Q MSO\$Z^LCZ+F@?J_6LK=)>%YX\0
M6M;Z#1>)S*-G0J1>RNF05++9RUB<1;4Q\$72)8MQFYE(%I;=>V761+V\I4B MG#Y7'?MCS720
=N?;RS^704Z5S=C"S;Y>V^H*J\DV\IV".[3.&NM.# YL0(I M^0^K<\$FXY+0M
;I;N5;C1^Y;\$PRY(L2JKF;B>'_F>(_=VT=OQYD&A M3C;);1-9>-00E.@GD4!3(F2\$RYJUKW@^VNY
MSVU5-KH4D;-\$8)*_H!WDO9X*;4W=;A(IQKMY_4/>>V/ANBJ+4J?L(_/7 MG%72*)F (5-
D(9(I\X(UAQ;*)3"/7W#50/GRV0_)VTO,..0_)V45(C;W\I##;/_M3=1.&T^2;Z"
(5HTI;@1@_'!8C*MTSC/=4C>(_=QIHZ NT>[MR7S523RNJH] MQ^PCMP6X\4)C1:
<,X%V:4>.*2\FFM;)!I(C.CZ>B;*-91^CQ%"JXS5^Z\ S M5N_S\I\7&ASZ'_*)I/K=(J+J)-3=39HR+G.[!;9G.
(*HA691_H_K9M/%MH1 MXWGOIZN&NPV#=
I0AFQNL;G)S^_9W.9NN5Z\5Y.G\&_YU(0LJPQ1MQC\$E MJMI^PZJ^KW<6B/J@-'0.GVW&?CSXN;I=-
HA2O@0^NVB\B_Q(@GTSC('\$=UB M6T8(9_"X4F7*+5PS1L!#\5V7M3JHI&&-V*UO=3#
(_Q.H<<:ZMMJV*##.C(- M4:1.5&?AX<.8\I&Y;+;P";CP&^;2WE570A MD3Q06\$^B\05\K"\$C*[EDG&?D?
G>R#^OXV9*E@^RWEL#W++5K,3QMR,>V+Y\$[MRDBU7Z^>?_IM_?EMMSNGY/+1"
I6^4HQZWPD\M3(&JG6%0^D>4=8V16+/F@_MF]>"#<#5KA#N3JWA=5@J9XS&: Y2U&YU(=2H8O3

11;+995#;/Y_US_=M5)O;97I61MBH)L,AGJP='V6,?& M^%0P8.V"F%MWSJ&Y?
31W-4098ETD#D71*)UG&MKD4'(.L4P=V.ZC3QV#;: M&T") T1_9'+8PE*T 8+%4HL+#
(3B\$9Q@BEX111MM^TRSY+BB=#GT3FQ@|0| M<&\$1Z'@W&==>*N^B@L0QUE%0*1UE
;-JB2N3@7;#;3>9@,6(T+IIS2-P MCN_9M-+;IMA2 Y%WZ4H)7_KNO7VC=U<_ 'W|9Y?
5H4O5U>M|H|/JZ>#5T M0JD,3\N&=BX&\,(R\$+2*R)+03+5.+ML/Z9E9'T=05X=[VPVPEF_5\$&"=3).M
MH\$YCF1Q#LY.>:NEP5&T'&*-U*7@+5K(ZAM E<"\$:<\$IKU\$71;UH?5\$?FRQ-&
MR|.BRR|:Z)0A|>/EY,|EP%5:-I?6)%JJEIZ|BEJ"8R9"%L6BM,SEYA39".3X M5DPC16W(A#A,R@W-
EJET?O\$1QY^N|H|:(Z4G(PJH=-=-/MRJ^|) S,2KV%V+#+"-T-B%43EP\$P=K\$(ANCT%/68!PC_H?H.
MD\$S#W?@A""0DXK% L,00*%BX")(/X'ST3N=LF!CD(IQ:@5L.XO;ZVT5@C?7V M"_XU^G+U9;6GYQ*-L
A">0(B(@'AT8'5TGD6:.*%N4/;\$ \$YJH|H|CG9('B7W2
M0F;'&WSI749T00(KN=0+EDR:5S'\$I*V@.@6<|@/B7%NDRQWTM=ADRQW
M\$'9#NV\$KV)N|JCNHEU"C|:(ZMM+15!SM787B>K%I**D1>\$>MATEV>@F')I9*IA)/XNVHH.X*E:6?
DG@OFN4JN M=9?+5#.S)IL(? .PWTVP:K?30/JA1@"L%=BR5/@3I1?TD*5 ^AQN|Z.M"<
M\HOUTFI'@KSJAYYGKOD:X#;XC'H)|1K79=Q(J|E7-R\$|H|(O|&9NA_7(U' MM-.^R_)J|/?9S^
X_*PTYX;)M#3=FD,'7;,@%>ACH|G^SN+VBGW8?GS)JMB MV^>?
((>DK1HFC65XI|R2CZ/9|PM&EZ|H.9;3.5,+?X2T@ (EY0,U8-J9DY<(1 M,D56>,
L=&@F^@|CT6ZQO9V,YU.,BSF&RW=@"+9,IL-CN)Y|L=^6MQ*CT8J MZ%)Q _|A&2?
YO|A)8|:BF="|I5"@M4@MV|E=1 3>|5\$AQ(O88A?4,&OU;T9R9E9\$ W%W&'NYCFD MIR&X^B:-
KF\$ZC=W00F|/4N\$ H?+=+5W'1YY3%CI0YR/J<(->R FX4!\$9\$;6 MRUK9VL|X+AF>L!*,R85=9-
W%08KP&E-,V1+CK66TEG7|0RR>#K" L=:@.P(K M8X!<)"|F,ECZAR' :|E@MZH
|7#,>V"NA@0=R>CS^ X^0+F<|S/*7?7&CO MDC::@9:QWK 5#2%H#SE;|44(IC6'L4V+,=G0_?
ZZB9B|S\$.: V&(L%7"l@4HZ%,OMP?C|P^??C,=7 M>+E"X+TQ^;P7)R|H7E'IOB'\$11R
L*=+YU(XBF"W@%-#R>@CN,&K@54KV/ M^J&V|)J-"/H/8S(&IPN#|X<4Y1(#G1V|!#\$;32^4="3#-
\$1=B?ZF5Q;89TA MLUHKHT.|H?D):<9C^2=&|KU|P7E^#;|6?V.3R,L=%Q=J| ^ZT+YF52SBE(
ML8Y23?2=%SJ;1Q)'YD);TWHZX|XPSY|/O975,&FIQL?OWT%?UH:F4|S|)G- M22 ?Z(AFZ<)8GE(AW|
BDN2%B (^&04B)1>,=X1M2++|DP|Z(RZT%VS74;| M/|YA&%T233|,%FF7WSZ-
V?"/9MT|!"O|PI7OG.1+,X.00P 7,I-9R.|T MZ^3W73&>\$8>.HJ8.\$8AEB=?/>?Q|_OE|J-
_&WQ5W^>X/CAWWN+X^N;V4 MTP5G5JO :#DQ%-J|,8/SIK;-9\$%EWP4#^>|YUP_9&>\$1.?
H6K7B>L;GK&3 MJ|@;#U2BLB73ULR<5;->:"|2SK|96TR\$BQF;#V|9|N6,R)54|!%ON-|L,I'H
M+3%XFC|7|/F)|4K_WI#<6 _9CC)|.DG+ZGOS?|:=W^:Y%|_0HC|7@M%"K|W5H#%|@O2Z6@"
(%L\$;0|LO3+*KU M_*XVR,^0IB=0Z09FBOX|Y1>36E8' H|3CYO3_#;J06W=.=&|I3,\$|UJ%7"(C
\$3UPK5A\$1 73P MKKKZQ-F=QVSJJ_K=M|TYK3?-Z^|DK%RG.#(A58ZT*7CA:L%T(E"%3 <&"4UJ
M;+P(S5O?"3VOC.7G0|A.<^|J.N8Z:U#<+WFG.>=|8TSW4?H1^3%(M^%(89 ML-X3/E|J|T|&4P)8>
|!"A5UD?:*<9U%<|BZ|VLG.U:*= M,Y|!&%<%-
'Z;%3K40XO*^=Y)QWND?..|BP(Z)+F^FY"WLD*YA)2\$"0:%!N-H MM2H;*96ZQ'4?=3Y#T.
_3W_H95F|S?TWT?;^&W9DH MG8T,N% UOJ0|>.LY2 M'+W\$08:B05E6P"W*8'W1L3"+
(;0V<)Y)IX@^NC|_'=Y?B>2>|9%)*S M.KLOU_Y^|_*>94LF0P#YZD6EAIFBS AE|8|P)?5PJP;.W:1? =6
MK'H??,3Y#;KE:6F*=38+#4YQ2_NETH N)^ IDF-F\$Q>F|8FT'E&O:Z7 X+"UY|(!QADQ MX%
A=W!7MHZ<|'| (PDN\$4IMX*G06@.@D:F |6*^ZC*JTW@FU8_G93VJNL0T'| M(R/KAR#K-
9YA*ZH3S65HHKT|E#A |#TF,FQ'R*1R&B4"9D|6MS(|4 8.AL) M\$736:WWW7QHIGIK!<&1.
|'|+Q;K;&HC)B_F8VR_/9R@926GKT"+6%:|WA;E& MCAF,UR\$'J-3K9V1;5A.,*VAD;XVVAP""KN#&|+
|6XRCAN@A6S|S|2&+"%" M|;16\$|0C\$|FQ8HME3@R;HKTK#S;#.2|J-
!!YYRUAU8YAE&^HFF)F5DHRB@FA M*K1>SPHOMXZS3=IYC*T|ZCX*Z+P8T43L'5R3|W1=QT?
|5^>2SH.ZPXFR7|* MD3&0PM=AA;(V'>N|39PY,UH)OVL|Y\$QNA%%6<4=9!6)M-YJ<((K2"X5+Z7@
MO+0>|/5|>@#T*I%J(N^N\$YIN%OR^W/YR<<9=D/5<:B|'0):)JY@%^#LUP?Q
M=;I(|+;=V.ZSSYT4@/78-C&S'>M(&ZH-.B|IYC#1WF88.)<#;(\$B|^*U M6YLOVYDO-|A>\$6?
VT|=60Z1G\$?SU7CC|F&-|9NI=|3|X<>W+VO=;Z5'JUXN0
M4<0HZ!#R=5AQ,N|KWV218F3;YH*Z|3W22ZU?CR;D; 6|4,9H4+4;OM.6_#ZR
MX"QJAKZTMIS/O7Y|)%_8=L7Y|)%TT_E_KUK=>A2LL4N,A@F"/|H61=9X\$%DK9+ MD5E-
7DWSN=^O)R;U\$U6&QJ1V4=EOPPY#D+WVF-
1.VAL>?|A'|.2DRJ\$R=VD7A#+EPWE0|SY27H*D4K(<|> M("R|514S|R?H;.#.TE|TDI<#>^%MU.)^-/
MM=EI;25FG;8-3-^|R|&GQ4J7^)|0B@G.ZM!0PL<#F\$5E)B22D)B*TRD|C|JL
M;\$4|X%EGH>'F0NUZF7,=Q|HS0_UF?F,EOIRF2>IY7Y MW^?
K_UY(GZUGW/(0M>UQD1R"P0BE1)&=|%|RUA;|H1Z3K0ZAK-V|D|+PT_M3/;
<_JAE!SGDSOWGO?;0VXHGYM-QN_? M3V1K\$-EO;7C1UDU/PN\$.0HE
MGLNUYJ.E9RDPXVM@*XFZH-H.(W"7(3F9A+"BA(YI|^G,OB|Y4FB72N%=5'GL M\$M AV/ZN%-
Y9B|O4@NZC@F/3)'N+424'(5;?OGX)REO@4Q*H3/\$ZM*|>EF5
MPMW8L8OD>S0P>K1&D3PFI5)M*%DT@5->>H0@/G\$P:K+;8V9E|2<>A.NMNI
M.'07P7>X,'FDF+F\$|%CB\$710\$90M'# %,AJ+SAQ3%@%;I^J_F/KQ0_C02.3| M*H6?'L|S8|8MYNP|'?
S9IP6HW>LDJ|*6!#&'!\$J4Q8CS""+X;'4=YJE;WZDU M7<I*=?-
D3N=BGL5&FU9S%H;J6\$KLH%6D>BX9SI*4-I'<#X@"(=.)Q|+"GWJ MU%JNXM4Q|PC*;AR8?
FPU=TZ>Y1M)>->7.'MX+WZ|UC?IOZZ6<[*7RXQ"B2P| MN<-2T&%EG8# .,9F>8L%.?M4Q?
+1X9|5@1^SNH^24KU@)O_R?CFTF=2?L#I MN(YO.WITV;\$D|Z>UK7=V ML1 CG2-
124"ER9C2)\$VOHB;(:.F.6Y|WV|_#.)A>S"UQ/&OG:AQ(N(A1AA MA+!;0I*&UPZN&GQ-
1;9"!B9,\$4&^ABZISY5"N|1"=E'EL2^YAV#|Q:RLQ9W
MN>W>1P5'CX58|O.P).#2*%"IT+LADP"4SBJ6LU=OZ*^A%A(-W;L(OGC=DW5-M/"5,5H#BV="2E0
GM87@LRE).598Z_*EW/KO8O6AM|Z|R+RHW=-M9H;V4\$ M%VMA@D.B+R60K/LG4TNZ=:%;2|J,'8

)=H)_DA=4X-6/'00266<+"A,IC"6 M"-%PZ9A30#000W[^75,/8<"A0N|0FFB+F;TX#F4IS@CE(
0A"5HQX)B'(5- M5BJCD;5N5O4(G+^=ET>=EU.*!/'EB_4\$"'=G)='@9W&>VFFQF'T.\$-'7>S4 MQT
&#;(&>B=*,0\$4X0+GLP+/57\$QY&R:CQ|Z 4&>|%|.PX|=1-|X|/?WTEFN=;,>-
DC+8M)))+HF31:OM09X<2\$4;8)O/B_W
M"4CGP(>TN^PU6|9,||S4SHK|)9JYPX6:N<.Y!"#,%Z1CR1M:Y=C,Y*_KGJ3"
4(RDZSQ!>M\$2XS#ZPP0_RO MO?@B"E.,V=1V.3Z|S4G-"6/R85=9-TE+('**2 RC|(H)Z"0 M;43
F"7K.6A((FL1ZC3>TCX?X4E8)QMS>J.UZ(C;170P5Q=&<|7BDF;|)+5 MA.K6*=
2O=;THPLI"A=*D*T+&%/?K:.)@(6)8'ZJ:C7X(==RD|> M9NY?)SW7-.?BI8HLE5J=63M9Q@R.\$Q72;)-
\$%_EDP|D7*|CJ"X M(ZQWD_FC5MN---|M^N\$7)GR(D*LPZ6@OX /2:Q>#R8*%:._U*(|09|E*8^K
MR@ZS%V|7<+O3W_ZN F0V1T^V(C#E=9TZ;#*.? (LL0|UH5<(^PW_W@+JS+G4 M0A7K7-'MN7)S"?
J^7&_&|S?MT#_48I'9*%SF\8DN.EB-|X(OFCA(<%-F> M/G/PLGJBM\$K&8W9,M'8
FBI@E7#P6"i>YZMI6ROVW60ZG?Q9S53:G-/L WZK
MU_(X3K|^GDSGM60H|= _80Q9LGZ<<5NMU+H:U7+=/*XV?|W#1INE,YZ3
MYB.'C.J#Y5Q'D:QDOG7&ZV8DA^Y^O|./5U=YO?EWN=?|W<4-V%QF2:EKB-M M>
+GA09!BXZ&^ROBZPJUQ_08#8'4* ME&Z|=)HX:0.E/46# R1^3\$)HS\$QG
2R1(ZA831.)O/Q<@C;6.&M2ZT991R7"
M\$S'2()@|T%WT#^9T&0EUPK|#TBIYJHS/G+M/+,.%US9|7|Y.,WMWULE
M%ZIL,I>E@/'\$?)7(W=:DC_E6;)OG)3|891T4R+F 1!>-BF.*?>|177&WHL MLT>,X|@*V&#K5
0.X%\$K\$)|K' H'!|T.*VZ&W' MIVN>_C&*Y-B +YLZOM179K;YCVYRQIY>2R?|L^4Z3F.T-
B'(Y)EIMV/>U79- MQ6CA,D)P|7+3LPQ!<@XELY*S3DK:UM&(Y|_4)ZSJYT_4'93:@."+J4/?8?P|
MTU+BU70Q>6A5)QR=E2\$%B%S1N1_KE'IN7;4 @N*872RMP>@7-|&^QT>|HT M45*3+>
|4|^6|^TNDDK:%K)179;5H@,R"IE\$-\$IXYWGUK3.;MP X|0V>YL; MX4/%VT'C#US+"Q69+B6J&F,C:!
(U8"9.UC!M!;B5>L@QP.(9Z|0|3:X5Q8 M^(%UC.&\$|L"E/I@BH |X|R"JVUK5 X.@BT"!)
<"648Z45M^KQ^!|2YU/IV56&F:@%LLM9FZ8+*U9;_!QEEH_E#Q=LG1"/_MS*-
/GVL*UQ|YBI_RW1Y#%RI+QH*.4+@CD|C 1="!)UJ*2?SGCF M(|/6YM2Z<'0+E!:"RNW'7E|!X/2E5
|TQ7ZDE,;VB=@CQBR90NJ%IW@-L MXW@-E_7|:8SXQ"l/I=\$H?>S==BWX\$;J|&_F"TK5'IK0,-#
(G4-E<;N0 M|"8(^'AFX M"+(&*T\$JBZ"DD> M\$;|)\$Z.P06G;VMTX)|@F>"& CR;7V0?+
MB^VD4S\$Z:N"A=B2*;D&@94,HD>PMZZV*S>|8'H(XOK_00CL/_86#1-LX#VB1
M9'+7JGXS3F_QZVB.ES_7T3OOP^7HTW7#H258IWQ6ELXX5AM"*4&K1B74XKJ| MA)AS7|N
LG7&TBX/?M&Z|R_J8R;Z6,=%2@;XJ71=M"KF6H) J1(O21G7NN+S MF27ZM#8%6TCZV>?
W#%C+W_D|6PC7A"! =TR;VT.ZSS^~QJ+/R\$KA&VNB-\$H 6 M%7!44F1O8F2MFWP|?Z;NFI_S?
(@Z7'E|SN|Q+)|K\$E_-'GD1S|JK:(A<"&58 M,=CZ7#WC_)Y=|+Q#?
L|N2FIH|_|F|XN/=7;\$|:0:K8)FY&|JCJP.Y<|@6;5(MLV=D%/'*E@UA"GWJ'9;03|<,N??
EYVG|2^|AN'<&Q|+)|@V|L8M!-\$29|5_M MIVV8 X3_4'T'2*|A7OX03A+DCC&;P;GH:4N(BKZ3|;
(T1B0=TBL,9Z^X4D|>7JRZH3MB\$!"V& <5LW|Sj'R=;>A#HG%D*Q,D^>N^A MQSM7#Q+|I(7,&A^
O^!/?=X D+W6P,D'RM:-'9 A!7O+K,>M|J|RW=7LUKM-OOU.EPY6VPMH;CB8_*02G"U64P|3%R
T;*0R<6C M4JU'ICX*Z*5;|>VEWB.-Z1K+;NS!_#"|FA#(?3>BL^&06SP7E@M>RQ7N2#3U)#
M=DJHF*/08I_?|FR)|.1<|>P8! (%F(2) K.# 1/'J=5VM#_!U/6BN0W'?/I M(SA%;|06&IP<7?R-
4XOV0&V7J#VW/FBR<3ROT4*R<, 94:W?:/9OM&PASO(214!%KKX!_63+>@ MR^KYKY N>XF^8?
AU+|QJM2-Z9"PK YG<;5""^,""Q\$6>MZEM/5Q<&T#="A"|J M|=)E'|\$WO)_>|!-
>828+7WC#+.A8%HF|1'\$5:KEG3>*5H: >J|ZW^>_0KKL M)?J&UR;KF.4*X=I_C*Z^K)^?
JX@9QX3>A% NE09|A*XQ+0H4J6EJ<#=:VH
M|&FV#'|V9&EC^#7N6(Z<.4A0_CZO(;_E;|>7.2MD)+AKE@Z_BP17">27-
M+2|Z.ZEV=Z8'/OQ|>=)0Z.LLL4=@R9NOT|'E'<_|YP3TQ&X-V75F0(U&\$|N M7!|&('|8JG4_31X|_?
7PY!"OKQ/%'8\$HFL_XG)<'5R(4CZRI(\$X'_|H5(M.V%V|:CRB@Z?M)?IXMO1Q?
V%,%O3")I5;,@_SB04F&@*4\$P)24\$=RK|;3C M|DRI.EG1Y4N8MJP'=?P\$O=)R#?7SM)(SP."KO:4\$J&
KT,N,49KC661X>XG MT-"GOSZF|'V#4QI=W/+|=|H%YU3|7&%VL#")%H'|3B_#TKD'5\$YUQ2<7>C
M=H?GGQM;>HE^U_7=T. "U7H 5&'K6K^:~MD-3/?SD,Z2,Q@2'"=?FTK3@ MBWR|2-
E+|!OXTN|N=@|HM0+)(M2D|_F36|U4JF%X.OVF+5RG@M7PL|!Q|V> M_PKYLI?H-
#EH,O;C45|U|#_XVJ<|A7JCBBI|H0AM|'|///B7"0B#PX: +UT> WDV!D*N=RX2T*(|A/O!;B/ Z;!!
MR)|@4|PZ-?UB+O2;_-CSUO/EPD@W.,*@R|5'H/XT_H6>|_G-.*TK!5@B5H MK|&@C|@T<,>A>|5'
M_Z46\$+E M)9F4%T5ZM3F R0Y"YF0D>V^3,PGS6D|ASNQ8>^JY|^ (P,6|@Q\$%7IT|0^~L=
MF,7J0"Z2|ZE|'|>|8#\$E#N=J10J!;+O |) M@^|!|G0G|BW=#VME!UZ*/PKPU M?%90R<_)
(3\$#6%2=&DL>\$=J,(&HEO1?&^R@A|'AJ>?AL/\$O(\$1!UU_/NT1 MK?+?
B)T:46C@)M=>|Y9L'I3D%L4DE12!CK2GFJWO|, #SYL\$!PMU_@8-N)^V M;NX
U9C)+U9TAB5'NU>R%H+,1-W:4DAARBX/N<7FC38WA.S8V? M.|3?/T#B'4IH%WS-J4*X F#5G4(2-
"V=M*A72JF#;.;5J+454?#6G=[N/X| M=+VO/#N41JYU|KUPS|JMHX:~#Y-M MAZ:XW^>2IT2?Y!;\$?
H,9N_ BSC(>#XB<|3*|WVY._7G1QQ_ R|>7N5_YO0I M7_C)" +C9)/6B*M\$|TXQ,E?0QAA42*I#U?
P!@,^#1,?368?Q;_|:XY?)=#|Z MG^O-KEH|(|Y|A|^~YO\$|7Z#UR+V-D'4=745F#;
1#K+4/->R'WSKJ&/(SH/ MRC24>H>N2C.FG MDP|M/8;|O1#28,11+"%|RNT-19;SPX|@|9"A,+_6G?
>7&W6,Z##TTDW;@&Y3ZF M5W)R*%X%Q7V22P"*_|
M6\$WV1OH#)//8!&M5D0Z\$CX142TU(,8*T.4I#AYGA?1N!|8;N M9;.ELS8:5Y4|N.V|JG*:E-
K5|W|LXO""<(9"-GHVD/*Z9>QP8(R<40K9,F M#XE|//Z4EZWOQE)L60QR=[F/#3FFY8G,0LWR"
|E>NDMPG|!A<%HD|I#IUD-3 MGMV0Z5Y:0"NYMR|IV&*WDD6|N+V|'=| (5U.J&
XA=M,2TC"1@!Z+*M<|6D M&Y16_-B|+UOW_63;LIACM?(5'9=7)&|""0'C_*)
(&RV7%FQFCG8L|P\$5*C!% M)BD.|3!'L|91&N\$SMK6P@_#.)U+7&9P
MT1KR8Y@306@9FM|;H!Q'GH_5+X=HF\$&9A4)I/4:Q!925!%UY8JM+M%XZ3(

M)L6<6D\)/LM7_! "Y;HU!_7__D F="#10OB#Q>_KFC_FK_J?_U!;< ;^?SY MY_Y_1J;(O\7)EW!?
R.76Z'B'TRD9)\0% ^ F0[FZT!+:)> ^63[62WZ=# ^7W65: ?Y_XN5DEM/_ _IT_/M M+R>TD?
PU_ ^%R,66"7LGK*04IY@'XPJ.IQ>-1DDGKZX1/5<<4!\$3/+(M.IG#|
M3SL/H+5Z!XP%V\$';Q^P"/P37JQT+L(O.!H\%V\$/@1R5\$!%*PA4 |)\4"0_>
M>@3D3%LG,4C6HJQ!AE;!NO!:@!SDW;M;|P|5TIG;RY00MDR. | ("T8;|T_FH MC.A?
Y0GMAU\GL| \PW3R:8KTUU8Y^MRBY)F#-;9>58KJLJ"%Y#Q+KM8!QR'- M=/
| ^JGO@/:5W.2H8F| \N! ?8|+*OXSFYS>3G;:U=#VZ'(T_|J*Y*L+BY9 MD+KE (G(<@8(4NI9(I">!S"B"
<>\$%X%2=HHH%|+ M_C?C=#>R<7 H:)LN.E7*+?)0=@WMMS4KK
BJVLJ19W1DB2'8(0%+KFV!%&Y1|-XGH.M|CG MW52XB|@:F|H_S'|>YOG| |?<
<9I^J*&CK|/1:7X62ZK54BN (MUZ'LA9#D; ML-DSGDV4-M@!) ^CC3SG> ^7F8Y"==Q-;87|Z/:!\$+ "' R?
Q#R.QS _N'GMTN.M)|5ILB)#UA|>L\$.N.SJX+9DN= /&|T&= H< ^|4KN9\$H>PQ#_SR9SE?VVF_T
MCQ8|D_Z!Q<8<.;12;.: "9:7SH(-);(5T1.;&EZ@;@9R) ^ =1.V!WJ/=- +9D_M!%;GR,H62*
<)K#10VE.T.\$#BQ|@25ENAP|1K"9"U2#;+.;.30">-K1#ID|IW0 M\$5|R\$9X(K!R!
|L(NH/^'|SQK|8G*F>2.9EV.Q5 (8^ W#A(-;U/"*Y*.5V2 MN1'(2|FJAITEK&'5K%?.Q_3"|"_(T_::SC-
R'3\ZT"81!!%4(8LF-0:NH470!|)0E\$!9>N.Q.8MXXZG_").*=% M)??
L@3VZS.%9GDH06<>SER!XUJ|L=&262@G>FSK=R^MBA|3)AS|O^*?|X9J9 M=!9KXXO>#;E<|
| \$9Z;_V9.S*QRH*"PX8R.XSKE129J4AC36>_HY+US53<7X M\)(DF0BN2**B+|Z.L4*
4R4!|R4XGA"%'_ *NOY0DR=YT:"WRQME3-VD|C|NA MVON<4HG@L?HV229
%1"R":SPZ(050R)YPY|VPDG00:0=+OUKEL|X5VF|S|JX MVKZ%!T)"NU6!4"2#S*W2S(;O/4%
|R8<9^;M'2S|3FWXYAMN.P;@ZN3Q;49T M&|_O<(T|08\$#Q-
WCEF|S.MJ=A#.Y@8Y.@.)! *J@+4Q\$+UDH|B#-C(3D^ICX& T4RPJ9\$*W?NV?0URG@|X/%&YC
M#V_9P&|Q?|4461OGZG/I^%*.6*>"JLCABAXLF;(H3X@:S':D"RP;.J%7YU9;^I=3I92
M+_VOK2YK|S9|OO!%|S!|OGR9"FI+K^HMOULUIR83PPL"8FO*5+%Q57J7S^)M*U(K*5V2
"G3%=%=H<7B/<@|%|@|@ \$GDTAH>VUQWC SAJ0_S;QD_-F*6R?SY< M7N);.I.C.DFL|F XE;H<
(|AB<@,EKB0#4G!"Y6R#|>:V&M<|;F M)QQN/=O3Y)|JH|8\$+Y?>KR?CM;#<|GL_Y?|X:IS%/Q;#66?
9E7;O MTP"YB+1&P/|J.T6|UA*SM<"H\$<;|T\$|L"=;NG_HC>;FC7YDT_GNU"S4#3TH\$4
MS6!+ITO\$|+;*)-\$L|O)%&/\$SM;NG(\$T\$OWP\$AP'+;|I*3!"=193;PW M&.Q889W\$C
)TG| #MOU*2V+6S7'6+JAE?*EQN0|,"N| %436)1";+DY/2BNB\$ M02TFD9|H WC|YT!;MF|G|
|H09;WO|UO%QNO| #?S MZP\$-PD(G##)D*Q>41(2?A5C3@DL1C2|HCW(;?#|V+1H|H\$&!^>W|P#N"2!H
M8;/.S)/L,B"A(R>>!31%D84%&V.@M6|&K8%Q&ES8U|X5=V.?H^=23? \$I/7/V
M@GLNB8X!Q^Z*"GO0B@0N@S0T)J^K"Q=N@>|T2+;.(T_9L|.\$W?KQ%V8/ @; %MG(E\$ (#J/\$9
_Q&5+B6\$;LV\$|8-Z3"7+28G9D;|5J&3ZFIF. CL&S5|;@91(M1#A0C|4|Z7')BRG08@J
MEEY#@0H;C|DPYDS_0,O|_IG-/HV|C=#Q?#A>=)V>/N7|&U^ ^.^T_ K1_GZ% M=
X#P|2&JM(H1+/25PH7LN!3)"I:Q|@('GMT& OP*=:|L/Y; WC|KZT|= B MOX_|)4Z.PW| #6NW
#Y0#\$Y(3)&J&TZ)TC'@;@ #B9H(&ZJK?X'@1U*DPIZ;M MU|!#UM7*^CJ?Q'| =3\$;XX;W?
RQ*ACRYO)J.RU0ZR6>?WG|873JK_V?OIZ2U MXQ@J'6N=Q;BX7(S*278G>5J|>/86+4C_U'3Z4AOA0H
|>F4-0\$_.A" F+ "Q*+ MF82RNZW T!Q5U"G7+J'=%N/>)>3|GG=3B6E"M"GBVFRL*|V.5&E>\$| H0@B6
MJ<|!5Z|IWP+?H62|FO+H2=%Y*P>M.Y_A@)85UI2/NCQA'!S04?A/YQ1)&6 M!EJ@-; \$!C:AQ;LY<1!5=
|1Y5SP(Z='UT>QH|3N"KN;-!N=@C3*M;=SU_-;KD MN!;0D;L:UG/DN0.C=091%Z|6/" 5'BI MK^6!F;"-
L1LPX_|4^!\$PD) ^""Y4X_L/X.V9|Q0ZKY'#5CSMI+W+D1+C2I9UK
MC.NY1UN\$Q*564017NU!H6XR'3| \$JN'9SY%+?+RUN4|HA70%#W&_H.*7T>3/
M;L/|@LR|DDNX3"JGDN<\$+/-\$.NV(5S83#4P|HUUX*C94D49|OX8BZ|H>UD M|*|8&|
(;&_.7|C/YZ=I?|9W%|_ =8\$X1V%T=;3)5"X0XXSLO5=\$19F|8X&+
M5/OD>#N\$)T:AVCY|4.9Z#VVY\$3(==N83U|2YU-BC!&>RKEIN<1C%2OG)10G M3F\$-JZZ2W
_9B3&FE@!;M/SID1.N@69%+0=I"5.E3X') 6U!|;&1JA@\$"&|J MWXKH#>
| \$^%+1\$PUJ9N*1^RM_|7U|FH|\$OD^F? M?IH&.H&F1@4" LMO \$YP1%W2W!UZVVR/#>*PV;?
K#.SQM#KOMU|A1#>+FIYOZ M;(S1(@W'YY_+D0KZY.%/DI&92L138^?>+XZG1L(KA*;R!
(3!24RA4""0N-A M|J-M|QP4_N| 4>W+;_0O+G7M8WD"=3^)OY&>SFI...KE MC|&2
VDI<#"";.%V4UBF-Y801LU/ 7R1EJ\$ZUCX#VP7NZ7#R8%QN\$|(^1_8)6 M|+&;+"N@A-T.\$EW@Z&E?
6B*FDA=.;E;GA%&G*Q63RBOAN5"@:|=QJSJ T^7H M?S<(+MX_ICIKT%..)|Q(GUL;2+S*7T3H2;
<8!1&OCD|Y# +6?&DR9635|T MR"HJQ0G*B;!*RPNO6&EY@>/QR4CBC+ ^4\$4UKWUH4S;";%?
H|!%/ISBA?(>: M%3Y//K1V;< _SJ"O5|"QS^3+MXALW|3|;3*|+|=YF(|>1X?O6Z0^EHY'F?C2 MH"|D1:-
FF%XM|K|GPF^/_&\$5V'H?*)!;X&W@#KA2^Q|M5B&B_|#);WN;NCX6!|=
M*7_E1/M4EA\$Q&;PA.E(K8LQZ7XM=O Q|TB#W|T1YGD\$QZJNJ>3=274K5TR' M-Z;H#VP;5-
&&N.PEB3F" M=RPI#%U_2!)LJ)TY!|@>VL7'E#DKK<;W.*(27%I0B0H\$ZZ2BQ\$'.4Z&G(J
M39)>'TJOZY7RW#;.EZK5|<*D@0EK-U;.\$48P+1L.CR">G4|HAU?JFAL|#00 M0RTCT@@B%-%^+Q?I
M5X(|;K#UD3:QU%8D;|JLB3NDBY;P\$-\$OM'L|E-.(|6K;N|_|QI8*XC*M|L
;:%4UO!'6DPND;KGN9#GO8_3#SPPH@4"H0\$N'&=+?>2H_ E8A@-&N|)#5/
M>BC_8(1XJ7SZL'S8PMSM>; *7Z@V7(E\$LC48|@8P)%"F" <^&QO":P7!&|E;|C>G1&(SK;.%\$FW|
M^1)H|G1&L|5G/<0E(\$2).21# MA1;F0JU!KM;+!>E73Y\$4H>\$.6|TUQK|6BOLYL7!/?@H8>M|-C9|);-
JL8 M_1;G1QED @6Q_28B<0R#E7,AQ'),MUW^21)BJQE+XX*\$_H/-VMEF3%|;R
M;:%>G7|L;E5_W#MG3&M|/%_&(R+&<#D|; ^.!%:<9#F.ELG+| ?(@\$?K>8E@MJW7W1
MCMFS0=0N!N70#+33X^4;8%8P0;M|SY1A"9WYWKB.QT"-?=.Q2K KDSY\$<|H MZ'X?SV
^| \$*9K|4ZLXIO|H!;F|)UY)0YA(#JRW4CYIP;&V|+O_(T^"%RUM MW;#>HQH.ZF\$@1
B*>;0KKG<1C<8&<>T?&6)N4&\$ROAH^N:=O7=% M>_(D: ^6Y!HJM#RLF-D?YQIC@8U(D*
(+;LB9."4T<2Q8&H27D*H+-_6# =G|L M;N&3!LJOZV\$682!\$&F\$|T44""!;X)
(&|\$_.1@FD=RGL24AOZ7*"ZNVA^ ^#Z M64BSA5<;J+UVT#|9HMU;B?2"4LL(H 3"@>?&"V M-F?

Z(3LJUC3P2 /5V(?<_NRGGZ9=)/>E-V+::%P=,@DB<6Z)SJ20-4>+,*3A M4>I@M=;"U=X7I(?LI'C3P",-
J&@?HNR@?5K,9W,-+CV)!D%H&8*V) A9T%E. M?B1<&.C-4Z4)E!-^?
(8T:GS9"/M!"UO5//O)T(3C"C8*FR\$9: (-D+;H) MW&5<+!U^2ZW-01E'J_=D>PI/"9*CE06;2-@^8.I-
@GB?NBYK:Q53Q"0P&\$! M)E;BU":8X5DQP4'5[F7Z J03)\$A%430N'V(IIXIA+MRL2^E=^6 Y(Y*\$<@
M(H^E!8DX+RC)CGKKK4N6U;X"VA?;J;.FDE?:"!>_H-.3 K[?^ ^37TA^CM_
M/1MHKX*U)A.6RC46A=&X\$U*3\$ QE"G-^K>I+(F!V/2(U,X_FP5N:TU&OPW1 M.*EKG'OS"1"5=1
5!!8%+[KPEDB6%<*+D7AD.Y>404WI.R 8-9'24%TUZ'E\$>^_/Q0M(BQ%IRFN?1^;ZIB"H>VIN;JTA M1-
<<-T1H75IS!8J!&6\$NY!2!HXJ'UG<6N0!^N:6HM3!;IFCKFV(U47[XC M+H66/D\$@-'?2] H#?
6H825I81K4+T.#0_)7UT&C.@=Z!-;QQ6&Z*O1!/-V MUMC*72^W5]C%UH=A@17!:(%3JZ?
X0DGN<6K5@17-00W>8L1606COU??6J.S! M;4Q\A-X: @=&89;)\$.%XN?DE)O+
84>,ON.9.A^HU"C]";XVMO+9E;XUM3-Z@ MMP;F W?:'6A\$@="Q"E.#CNVG?=UP(Y0E!;-M+@3=W]3-
-?1=\$!\$:99%!Q>6*AJ=)08.M.94. (%*+0" O=,,"\$BDS)Q!FK M/4-L"?PG*G@V&>I4M)*ZGV30Q
M1GC1!J@I\$*:.^!QIT_ ^W/ZG?#T6(:.1 CHR!X*4CGFLB@2J5>:6.N#-"D
M.,ZWQYMMEB!/@3YM/=/@OL!_P_#1 G&<(>O!_7Q<%(MAT!;X@//6.D;Y'))#
MJ#8\$(J.IDF32E98&.F4.O*TNYK4MQL*=IHZJ.\$2UA?OS7K+(7IMX! M+D(
M>#H2@N"\$)6HM6%9-/8[IB/%0&W]O2.YMG=6 V;AQ#KMJA;1.#F==C ?"OFM M7CJ
(RY*>L^FTW\$SOJGL&(1?%IVZ>Q411)A^(QW"/4"V\$%B%XEVM+K.Z/^LOYM>&"W-@C'>HW@?
BNHA_L7 Z-5N1RH">?X'RE#)BYJ34KW<8.Q 3A=^RA\3\A_ M4!*OP\7TRTCSJ>U:S&FQ?/@A&?
%.0Z5EKB EDO1ZE(X).LO4FU)<03YUM+ MAS6X'+HVVKTUA+72E?YR!&2IA.1&
(#A\$B"F5]Q+?"="K7WUX%M!)90/U3-J@_ M'5P+;H"IC\A.2W"1+D
M#U.!,OP.7R\$NIFA@F+W_JXBOO_H%#53DIC&&FG>IT^-1W%Q%'R@,VS-EGJ!) M<#&561*GJ2:@M
XQ&%"8]3FC"O!70K Z;WA7=D@%NYU%SF6."HI3Y(OBDC# M.7^D8-D5F%9Z?\$DE_"0WPJNQJ;HC-
@:VM>J0?1_/_N_(C.G>'T"XX@O_::@ M)2D^/KA\#K MD1RJ_KB2OQ_/(17,>^P"X]G-[K6+KOE.HXB] &
(L4:1)*\$H3P&{H\$DR\$A.H M\$)3-J=^MO!?:0CY\K%*B&NX>*6 EDE&VU+CI.V@E@2?(3,?
E..JKFB_*H<_TX!/\$/!>QJ:5 M-6Q^F4QGU_+C)A&_%JHNOG#^/X'QA_0L_GF
^_^SCO_PTO<>%8WHU'&7ME_12 M'V^YV3Z+US@JHQQ*62I*6+\$6\$J84IL@R2>8QZ5-
'=,,\$TJ.G'^MPS?G!_ M5S-?@WW.)Z'+F^N?KZ8PJ=1^/K;L]3-&43J"\$<\$1.9D(ATDS A"2R,32G MVI?
%^J,I@="OL4L:!(^1+I\$N7Q9^D;K='GL&5C'N476RJ//F= _=S2?;AY" M=\$[9Z+4@T1>
(4D.YN)^TM:5GIL,6.W*D8,SY84;9Z^_*MXH7(@^F&M)22XXKL&"6RU"DX MGPR).=JD?/R[B71>
!/:TPV\K5W/>Y*"6KQR2OO'C=9I&#ZE:M/\$_1 M?_MM)8:5&3>21XS%=1\$?CXD\$G3PQAGN7A
FAUTM_ ^X&GX;_=[%,Q,GPD66>M MD3F50O\AXS"<)H%AZN2)6X-5Zj*/M#1-3,KI_ N9L"*YU/9;I
[P#A!P2YB")X083,,3OFI32]4OAC.[!?"8&8%_VUC ML*:"F0HE(!3>>PVG).)Q.+14CKZ,NUMLI!H%:+^&
(*96YE]HV#F-C9K*I@9 ME.)9E\$8.4>!P?)8D6!N*4%O2(2AXFJ^P(*9.SMO9YM5CC)OZ^,783;\$Q&AZ
M_?[R:C2Y!IA]@5'IQOYMON74)Q5"=53F1OQC')OTRFES#=
M/)IY_!8J]Q..1+C;F*+6/1K\^@D]5@J.V8FC_N;+N9>VZ_!JXS&;9-81%UDD0\$W,,3(N>>T>R2^" ^N')
MU,;E94YEV2%L1^5+!YR'B+M;SCH]6+RYUN_F,"R7P8H?!8)DI-(AAWH14\$
MX(2:HT53*,>4T_B\QSOXZR:>;9IYPL.@J9\$K\@G<7W/+!N=CR9:J:D,V.ZI)T&(AH:N>(6RVS\$>
M%N7/%Y08N8/.1* @BR.BO5YUDFXN+I1*XL=O@>!AQG\JZ?EAU MUK-[BO "PA^>1P=P3_-
R2\ORT=A;LGX\19W(^+!6:/X71LAIR(+QB+INB
MF6H#D29X8B.UQ"5=JB#1*JYV4I^>T\$Z&."UBH%O*9
M6|\$>YB5J*4)*QB;"E.=%IK&@JHF((C<J\$C6#VG1! ? M?_!-)3F/FG\$1' DTBM(36A(+.>+KY9G,-
FB=:W<=7 OD4"UWZOCZ\72VOVV/ MW7!GAWN"(N\$.I+DDP1L@TFL.G-&.&)5D!J481I5-] ^5?
XZWM"DS8_ =+V-AXY M!7WN(N\BSL.76DI.7!% ^E"94J8=0R8V8'H154H^TNQ2OUY
MKYDIH2YMMR+*EYH(F;R(&Z\ C2E7EZ"RIB#M4LWP#&KB>1:\$6^Y*UQ,L<%UB7S^*QK;7B
M%LH!?\$Q1T563-IBYKVV; ZO1\/'I-F407/2 X\ \$PFB5" E1"R^%31"BB->
M%VFL_ VFSS\5/U>Q7X.YO^:/V6P&\G'R3@NIE.,BP8@<#B-07&PMBL8PA2* M:0R+2HL_-
(J6%OK<"V0PWN_X5:H7E9ND"YTH'X;^C <=>H<[Y QRQ)/#C,C M4)Y(XC12\$J8SP(BI5Q" I<;ZF] &
<% GVMW?;2>#M\$I%30!-SFL0H,*COVA++ MK" Z&0@!@L8\$J=T.V8\$/:^!21ODAK<[W?'RK-
E0XCW?UU-9HLI#+QU3 @O MRO8%+5VO\$&(I4P:3N!+.,GAR#VE?"O2 =2J,%!VWJS^Z?;>7%Y^TI-
@&/'@5.O&> M!2)M0AO@#PB/T5(9% 9(O1KUU+3!00_>&_E!5S3P!W'/IHO'8Q>&M;3GP)H
M])=+20E6+FI%BYE;T9:+SI;K?JEK!V*=HBZJ&AV^JL%XK%WR%G29'.%ME3O\$ M;
<*UDI#I@:QBU;GT1R^D>/AO#HZI(#DR8)#!L5)=YA\B_+!K)U#A,_+GU@_MOB4,]Y0LCS3-
/5;_J5O%UN!L;\$QADB1(12]Q80B2V)-\$)F5 MV^GI;I;NLW4VP!;.%?"FA:>[&N>PYVOS\Y5)
<")SS0GX@_1_*O!Q^;_!H0Y,IC_X M+'Z)C\$?C""1&C 1\$EC(0IU0DU\$MG668TTI9SR>L[=3] &
!;Q>0.6K%M)EVM@_ M N0@YV43,%LB9.9N53\79L!G-<4]G=_ '5I(FA*!>S?CM9=*\$
M99"W<:JG/\$NP&"I17AAN O':9R),QH62:[!/%"!W2176/?L\$ X8J9JZM 0%7 MRIM^9^=3Z/;)D-
<4KX/R)H*\$7V!7I;87\?3@IE@-I"\$FW!!L%;_!9\$ZX-/_CP*?Z>CIHJNE#5_-
[_P#%4#5,'V#D\|K\$]_CF\$ZNQA>?<90&_-WYS"P MF)A(CMD-
=V4STKI,7+F%8F7D+CA/K;HH(LWN)^_-?NZH9&UJ0&I>Y#[/9 M M);?S6<^] &] \$<1@LM-28?*+^1.,
(!G)*X?E@G',Z-L9? H(SFJ MLCC5EB/X-D'D;R<8I>_C;UJ=*^ESTH\$3AC-
O*>#@Q&8;B6>6N\AR9/REHO\$J M0/XFV-[NJ:QUM3?
XCS#_E+_YOP;) &Z>M=F@OAE&>CC@79^6(IT;)Z+4)H4_-M535 ?W.MFKL[+;M\@7!*/AOR'I
+U=>LE\&K\;S]XF.S!:'*5M4;HF%A"J M+)E\$!R*#%B&@)F+EI7I.F^+!>08=Q!G593Z>A\ONV',
(5QA#L \$X]5\KL>VF(Z(KP\$Z62/7=TD#0;"G0X MS;Y A.%W2_2\Y;1FS9P&=+%?JN:&)A-EW
M&"^@8%LIO18!K!L!>)B^_RN.%D7ZO;1@P/^EDG=@9"BHLHYP[A5!A,48U)%H
MDM(IE1X.)\$ZRALUJ(F)W%6#*\$V6=-7>6^)_M4*4'2!""A-(DC/J44G1&.5%
IA5N/Y&294L'P+73'5K!N%MF"!"/,5^"4R&"- MDX3%I1Q_"H8GDE,4N&-G<^V=@;V')Z3Y\;>3MBL'-

:HAIH/QWC^CG+MZ'I MZE?5&O: (BJ'7RV'-A6_HH:97SHG1Q+/\$)<\$4<%8:X5%I(!V\$3/?F6/HZK
M&62),FRG5_T0(-TD7"CFI,R,^JAJ4:;N?:?BR8TN?:=SQP?T3I*)DL7_M357Z:2IA2JZ7/-
FXI:;>6/LC^;NE3P:O| MV|3LXI+ #DH8#XU25\$F*GB^B,2^4L&P%:9UUF((SJ=4#|"LG2JJ5/(ZYLXXEF
M|^~|C2)0IXF&+ '%L^)6716%\$@_!ITNOXG_[HK].ESU867GOL:AOS5"ZX|W7|
M|79R>349EZ_1MW'0;K|NP&+/,I@T5|9)Q(ABUEH18UYO,&WSKG|_M(WG5"?
@N<=>X1"%297NOQGEU.IO/AO|L:J\$ _YKEK@P_B-G^%4R*4,<720Y@&_M(A\$?
O@_"D^Q9SC)RB+D/HW9Z^\$F2J+T;*B|=6|+^_6AX.1PO!_*AG*2|_|_Q_M3|HZ\$-
\$EJM,5H\$A18ZLB.!!2ONL/C4QG23+CN:T|IW)^I4%_M*&,TKOR1,.N+ZI\$2Q"NM2:
(J:2IGOELJEG"O0/YC,DE_M#D>CLZ)N/O?C|V\$80:=-|<*|:B8G8|2>0\$*" (U!N,&IUV)\$9FO+?6)UO|2*L/
MKI-E3G6G,*S#WO\$LXXE'.R,"I,O_,|LXL|*X/?CQ>6R>/RWX6S>Y_RB/VO*_M
V=WM"F/WN|PHL(0*AU8W%.8.0NSKK*B|LNT|@E-#K|/|%S|&0_U.YM^9@*O
MHP6T7H>IKC=>D^#3%AYYV3YKO+),_4_G'M3H?7|TX0>W_OK|!|LJ,+KWN_!Y_M.KF"Z?SZ|AWI?
MEE;|JTL=Q^@7C=TP8?P_,@R_#|XOYI_S|H&95/6BJR|Z!U=3B,-NWL>_O)|H|U|
:0WXE;+C<*Y.Q|2|W^|UVF<_9MLCBZOU_M|^1F4ZRS_-X9RTU:J:5TA^GHTF.*W?
24PQ<^_XPUS2_XN\$)M|F:*.K?W,G27_M\$)9&6&|Q%._>3Z7)6^N>#H5=CZXL/W'MC_"M@V-
1%4!_&GZ?#|_B0T?6O,\$IE ME|R/AV4?+\$BAK)2\$EZL%4F*K_Z.RGSQ&FO110Q&|ZGY57?
YQV#EWT=^W1'N|+|_M-J<2&W+ZY8_+?P*NJ_G?_U_4\$L#!!0_()I"DUG_G=2KD2P!_./_0_3_M
:'!E+3(P,C0Q,#,Q7VG2A4!_48HDU_5I+Y|_/WM|M|G6?<|OWO0V/L_X35PK66,RYAQ|C|S!980R!7
;ZAGH_32T_,YZC^|@7@_MU+|@Y>0"N_#4%PUE'-!;&F^OK|^I/WZ|HJ?|^!L.GIZ.GI&!D?%O@XF%F3J8
M&F9V9A96+^~J%?L,*SL7V^~3O)_0&D9Z.@86)D8F5C_|(O2/PTS4P6-+1_M|
5H>6CH>&@H+0"\$BB/#W|"C_?|OBX:6CIZ!D8F*!AOU@4IN*OIT=%2D&:@8_M4S|
IGX_T|P_|Y1T&;D,SO/M->;7_%F8B:S^/'21@'S/IS\$8:=K82RL@D+ "
M.T0D|^V7.B"MI*RB>N2HFLX)73W|DP:&_%I96UC.V=O:_%UPNNEYR<|_NX^OG
M'Q|X(SPB,BKZ5DQ|TKW|R2FI#QX^RLK.R7V:|^~QY?EEY1655|;A;LW#&^&D7+0K!1C5F7Z'\$:0
;B;Q6A"D),_9. %MX=K04+L"\$,UJ%*)RC>26_DE+?#IF*..|!#22Z|_L^>|L\$L--BQR.1C|_A|_MLF|T,:%
5|AM|MT3&6X.88I7.GA3,4PW%D)=KYW^N%|T_U0|Z\$FE.>JG1_MTOFA4W<;!|&N\F-I&|=
()5H0ZJ|8(#T@*X^|5H0(6-/N;S|'0,Y7I9WM+UO
M^+_ '\$MOAX|PZXG*DD;X53P\$VJD@I%,!%5|P.2D/>@G)->J'LI-D=WKM2,@_M9?
RTPW#|@42GPS5;D3J9GJ_!M.S4-2M",,"VE#|Z(|(&,+&S6D6UK2H#N,
M(8#0+J+Y|"&.T|PZ3IVR*?)Q8E>^|24K=AF\$O^1L|_0QA>+KKQX=(6+(K-?Q_M|ALW067"Y8#VC712-
76/8FI@|=2|1A_K6_1)8_/O8!W%S|!"52\$YMRHYS#6E_M71ZW#73NNY"DS;SB*1MNF",;S?
4.:@:MX&KH&7-HA.+*T*|(.+(H'AU|^WU*_M|AE<<3D'*.?)_DKAX,\$W=OYR>M<49=)PT4NU!/\$
O8JJ#J%'H,TC:7>FJU_M658YL*1XKR_Q66EU5AL'5_OA:|NM?.%Y,T;|?;N+6W0"F)>,>T\$@#P5@
M_!)0L\$'=K|/S|B"B68P;?_&F5UX_\$YD|6%|V|^;8T|+4P:|/SB2|ML=U2%J_M^LN.>Y|J|3N&*(WT9
+XH>T5B3W81FY|XD@FXT|H0V_M8@Q#RE-B;_LK_14_M|B|B|WN:J?;PF7AXW40K^#7;7J;/R@)SL%
(*T)96;J_-800Z\$G0P|NWT9_W0_M/RL@-F"OL&WZ1I-
HRC%UX(*XV."G"L#;CBR#AT5K<\$QWH@7!:INH9N,7\$9V!_M@4>;3CQ1W>GWL6Z&+(KL9%
S1P&PE^@&/Q7#&M\$B6H+PX|T#+2A6_M?'U*|KD51UN;2V'Z|L.-<=\$:!)6"FR_^[P^91R#"B\$M*|/-
(Y9;RYQ(->R&|MV5ZO.FMTP;^_YT|/|>4|\$@;W;%-2|/X4;?4;|B(|7R*A5O-
MD_LV*L,|%=?'>X1|!\$D;K2T:Z:|J+QR#W\$;BSD#"*\$%Y_K;K>->_*IS0;?%*_M<&+;PXNVBZ_-C?6EG.
M;GE6<.>)8%@IP'G;J.Q4=&N7QTQ"\$VQTM4E,#"172|_C.*|&C5J235>.<43X_M.,6<S,S8-%)K#)6-
5_XS|8UZQ2<|_R_M(FS2+EUE|!#|4MM5*3JLR:C^QA40%DP!&,;|/OKR.NA&Y>AG*|@'L|H|"V1
MO*ADQGN%_4..5E=VGN@+F0^Z=;DHBZ"C_R3IC-
3UCQI9J%M|T*GG&)PQ9D;=6QE9VB.S839|L,,C;IWM|H%/?SM8S_A6V_M?
NY\$|Q|PTUPFRE;*T/SL7G8;|5>">DC/&*+E_M(4IQ!;Z&|Q\$|/|+*E@;8;>7RQ7G">OR\$5|U;-
|AVQ|*5=#PIX8L|_|D&32H_MFHI=7GR.HP-0C4JM=@>X04D-THT@/\$CG4#WO0N^Z"5957T%R+H-
ES.KGM/E_MP.MG|E_FWU=#_4"IN25H=L@(%*=MS-<_H_F2.1PB#D?T:D"GY5D"(%(<5/L|
M%,_8WS8<.HE:T^O:6Z?*WG|02|=+^FC)P-A)?DP)&.=,_R2#K8Z"L4;X'P:MKU>FWZPEL&^/)HPU85
M4U"ZSU|HPC|8T%J6E<>.: '&=NE4.#GOK|M,(K\$?>>>ZV#_E|5_?;2WHIA66&
M|XXF:SIS(0*TPK|3@|\$|/L%J6@*\$\$,T)D77@)Y*-VWVQ^E8>3RS-D|7'4QD_MCO5UCWG!
|Y|E|U'B3^X>H!S;1#"FDP3-5QY_EO164<0Q-832)"SZA>X*8"K_M&P58G>\$B;?;C?KD44.GX=KP0U(
K4-4=SM3_YMK|"|.74|N5"*V4_TD7#7P_MH\$H|D&)_FE_|R+|%Z4>PG:%61(M.?>\$YV+ #VZ
K|!J2@&\$Z&Z7E+:9&"G#&_M9HL5@)974(M?'#29Q/K-Y;-8)J@;D(|D,*(Y=
|L7R^?AM@10P\$^5<@A4|4WKHKS"0_M7R^-=7^"_!L@%|_#8H2%9&X.31=FFFQ>.6_*QGNWASXX?
|/YO8RI?WIN^D^%_MBBMN%7A:E!_G.R2|>0&;HO)%U(1HEX=[*=&(-NP)AI#1)N0P#Z=05JFL/SPT
MA,@L@Q1_FI#_4J7;2E_W_JRU10;=|D:|VFI1PHYV<4'(C@S96Z@V=@PU_M+'A=&D2UZ_?H"G
7#EE01=Q|GK|+G;R-0PP+D(|_,%5('BI_MJX#I4X_2JG>5|6BD|+=O_-
"TM+|AWC_<7J)S^I\$|_>PY6* @_&&^B_XN*JLL_M!@U!UX*#!@/DB7P%Y),A)13>;*4_F003#
|HD8P*G>IW_.*|&"4J!_B0Z;9)?B007?L.4P#=#@5H3X*_ML+!&|=OW53|76^L/U-F\$4H%\$-/1M-99-
MS07(ME;|_ ^9L<_J'_E;|1_?L@O@O|J#_%:BVL;BWYM2O_3|?@_X#(WO_M^JA(^A=&
|&7XE1.?/O/YADU^!;\$*_|0D_*|Y9_U|(F9PQ|/A%(E2="I"FA5_M_E%A;M&U@(|M|'N.*1|Q1_716>
7#J_UQ#|X%;%/,4F(ZVD_B;J@BV|J|H|_MXK'=':THNYO/XPD)(LP6S>JLU:UM_XAILIX.
(C&BTMS6@?;F|2#(G'F\$A)_ME.3&9+503=.*(_5^OU_&9G6;9?_|Y2|^8_%4SM)9&PLN5&&^Y%
|E3PT8P_M9AK*_G<7>UGGO3A+=.,3||RRFL5+"U_|1XF'Y.X>6Q7I_#^%_7_69?<2N>H_MPR:-N.
(0+UQ;C'"3|5%*MX4L48.%7RIJZV&ZI6@#1R|E-N9EMH.&SPH7Z(PF_M9%Z^#O?
PW(2,#6_4UI#2|)66.8D:)"31%0|K5WMOWI4-BC94X0(IP;5;SU*^_M?;1^/#E57FWM8|RB-
>?)O**HX)N|%)_348S3.TB0*BC,=)09.&<\$BQ>1_M;|S0|)42P2=XINF>.Y?

!94BR'SG)=NKR!Q49,YI9M^9*>E7=G@!|-S8OK,Z
M,QQ'_1448#1[2J]>,>|&"YE0:=^BY%:T[>+G04E.SBRG:J!E\UI6#^*@X05; M(>:"ZJZ406^8F7K?
V23#V4G4B-S59(QMXTS<1BO.)&%O)4[ZLXW_&"JS:/^H
M1)_N4WP0QSQ4966\PKPP'^/3=E+B'!+22P&FBL28O&@#Y#=BP6@<7^LD#RB+ M%[*K&
('++XT#4X2JASP.I#>|6:IB=KV[,!|O1Q*P!4#L^_X/P6C^MBH\!AV_Y0^+_M=Q\;MVQI+X\;V3P?
+L1|3XKQ;'WNH799/|HWW8VSZ^>|. MLX#R#RW#^1^BZ7^|Z\$)!1*PL"VV3Q1@?1NQON?
PC[?^1^|H2N(2HO\$2|^NH MFXP?
MM::017U:2YZK|XZA0\H9V3G|8VTRD7XZ,UFSM)VH=R08O(!)7C6A% C MY5BY4@)J2,-"N|Y|H8A-
#_Y8*2B;8#;Z\$J2P|\$W^D^>'7J?:78S/CRLL!@' M+Z< W!6(0;J) \$BU\$7ERH58>!5W91 (^|L;5D
M@;_0>I&9?G.JLK|IRWZMJ K6DQR4|TJG0KO\#Y7)|=/\$/!Y MF_
@Y>P5J,.S8OTI^5"X*ZYDJB<*)4+4|JDXL?B59GSF^ID-[W]^VE<)>D;IL M<%;|8.V9#,.?
VH"OGNMJNJLUO|9|(.WA/CLD|QX|KO_@N8;"X7TVU\)|J4X^*=9Z%\$5P">C;"07^"EGNZ&BD5)7(FH+-
-1*|D M>T)GVD@|S=9UT&=MT%/40#KFRT,G.YB)T^FV0^IOEK;J8@%B.2D>,.96|Y\$8X
M0<82VB"XTPF@W-#M\VI/P('F&OE('Y.XOV,=TR6|HSJ>U|UH829W/3^C^+;
M,>%R'F3Z|H4T@"NGAF\$|YDV-FHE"X^*SP+R+*LK&3\$Z?:X54U"V24;O M.B.|7Z5M)CVC|U\|S?
5A>&G"LY|J=DD6(6.6INDG\$#T|C" M6:T&KD=4/HE'5T)NDN6H.!Q'NWORS;003F"|(M
5/3&^CNKV>A(HKZ2Q8E) MX125<.<'&!|W 66%9G7&2N\$R|U-OSO@EN+*8G?|L; M47|&.E;.*F3?
VH(GG^AUKI-GC;6_XV808T-#268(74C7I Q(Y6D&23P7D7^U M'<0F5|?M4I^M9ISQ;C;
I=-F.X_KB)TM3 M;8>|!\$=*(D*TJ+QA1/0G9=0Q(^DU/&.X(M\$"6KM-|*+33^9"-32V^M57@=|
|K+;1V;1Q"TFU^D31+KS,|SH M7G)7+YG'C6=\$M\|3QU7RGL/B^;6'1#M,PF-
R^!>UYB008C&@UI;Y|Y(1>5@ M5"+>,"=GU(Z@Q'LI|I2\$|X\|M@U=M9M ^7NK>'7W|QR-
X^|YXB>BW0KU(V+ MD3R"J"XA|LDT(W%&2Q8;"^+Q_.%D"C.W4QLVU4@ A#Q\$S8|9C+UZ|K
HBG1X# MD>+F0C+NNG6"2Q+(S^+=W(O7 *UVZN|X@(|06"B" GD+";%%2 6/S=NM('N). M7/?
S@IZGDA|H7087Y2;|!O(+0;./=HP;* N/H2=* T&91#E<58)HSY>')^& M;JP3/6NUC(OJC-@-
TL\$39J|U%^*EK2&|,2I1LL1'; 39T4Y5)KX9#_SK'P M^KSW'G^TF@!>08Q"R"%X10 @;0
_27FJ!>E@(|(2 ^OJ4L6R'QS+&C7;H5G M6C0*)% UMID)(FOGAJ^,7|3 +P2S32&2I0=
8YDAOFDXFH;PW/ (X=/9/6 M|Q61+=P(D\|2PEEF^|G48";Y|1 M_R9/?>;75)G4-Y>TR_ FLJVN?
S<5|1|IOP|VAXAFV 2NR8"0+T/#5C&S ;=. M6'0H7VEOG12Y|T888Q>AV)(1=F.G&79!5|H(';
?;2G<X9OR@#|YAGHKXCES_W.*?Q?@KP M\$ _^*OY4=X0_ (+MY,QU26UDYZ|0HMI>?<
|7XRC>I@B>_Y5|3&F?L,H>^"|M7 M8=,.)U-M34YIV# =5_8';ZN;OQ|V
MEX<>6=49>WM|7DG,2O'W,>7G-)8XZ>Q^)|4-42K@,L\$6KDMZB9)TAY92@\$6% MF9)%*/OG@>
T+++MM:+3P%T22=WH?(+;4I1VFEQIMWAT0)D":(MF\$@-|(|A
MO^015,BOU18G=X)'6XU6T6U+I9,+;3)|A%V!A M%(&Q4/N07#XH",0S'
_Y^Q+;IHO8|N|F6|^4+V4.^VR\$O'7WBX;*4@D>13I
M'7'ID@Q<C7_JRC;@,E3ZWZAVPD\PR>MT|Z%LD8SVDE#M0DN24^O;|J|%/+85W; MD-
U5U>\$V>R"GQ|6'1T)=?V@_.|DI|ZLPW;I7JZJAYI4?TB3#TM6?OZU41@
M)>*UZ5M&AQU">DX|2O^9' T39;W_&_CSP*R6|5\$<2;1G7G9SC|HSZ*SIM
M7KWS%25\$QHI>,A5TVS42F@|I(W#MN7*J25;QQT/U&>EK6YVJ|I0)GVFZN;G1= MOOZ^TNT|(%9X=
|(%YL83"ED4@'=I1\$UYG-),10)Q-@N D|2!XH&@^1(#T6*E@ MJ|(?G2"KHOTT|XJG5#
(J->0;NUF|LMP8HFXE'.*5PP29|O.E^:@.DB4).BY MV8"/O#_ST-YA9L67W"N;WT'(ZZ|D63LY?
0S*|^\$YD&5Q|=5LOMC ?K@2Z39M23(H>B-5K#?N|JK;Q)W'(%Q
%;L+8;.%2.6;_+Q@|,EE2R53>8I9E9NCP9F;B%|RX&S|H M57K)|&76|OGI^SL_|AM93|;
(+=;CN;"0FV2^ '\$+!\$OTR|X0R|RVUZY.R|? MH972OOL30KL8X#1B|>@ORN#)=U(?C04R^T9"K!
<+R%X2|/T)S;_>|J\$ MZ;U@-0H/|^AYO|X>B(IMX=ZQMOL6M>."G%YN@L8B<590T< ("ODEJ^D@#
><ML_*T.8TNLEA.D|6-3O)*91U+ MU!6)M#0!|-"% DN.-G<\$|RT*#\$GY|FY@;=YH9D6T%3E\$S-
1GX6R"^8D^Y&7 MEC4_?/DTW;<6O+IYS+@X/|T-T%Q?HSPY/D')F=IB=B'|<1/F+FAF+_.9K8
M/*|K1LL'H'(#8T=_&AGN_&)T2|VF82E|X\$./>FEAS8E^AOZ5NX=>@HV
MGHN)F02=D#X(P5P04;JL;9YW0XY&&W0I_3NP_C'E(|G)T|X@L'B_4\$F%X= M
1)7A1H1C'8.2(|*N73' @3VCQI^GB3M^|*D<6@//6?|@-6>FQ&+R+E^T|
M|*;IF9F3>8>+!P4H|UDLPH=0%(Q)%3GC;)RI(XOGE8K-5;(@42R1V EE;3IY MP-
I5.PAX8&G^>+86'Q4O L M/RX|*?U*=@E&A=;|X82B;8H+^TA3U(X.Z;|96-
GP8A#>!HO:Z@;\$1Y)9@91A ME!;S0P.*)H8X<;C|KU#;ZO9I;X?^0V>=GQ0>.6HEDTG8\$|
(*Y69JB295(JYH MGAUH00K|&EU|9/V\$|O,T8&|>9PH043) SH>B;DD@W;|JC622 ;.O(^E=)O2
M;H/0?8'^P<%<>Z-\$4&|V1QY?"#SW9-J8S(<.,1!STB|KN=(J5*K;8_%|H1?M9 M;?
X7JS27F4;,FVS,ID|H%3T-Z;\$ '&WAB\^K|4O&5<2+HM4&_.|QID9,I6P M=_0;8HTS W(C_*A9FS/E-
ZM/3|6RW&|^*|4?DTS|6DB;HU_?13O|IR'LM M""EEL0(=36;|54PJ@P78#14R/1B46W5%/O,|8
IGE^;Q7R*;>0& MH^<8I|2VJ"JTN|F<#_<&A|&K,R7QDX=,R8?PK6;7|/+H;4O?W/_SVO0SB"4;_)5?
=3B M;.%K0%?O;N01;LP),FM0L|UY|?Q-/E22DU;ZN"7MU8"5\$_8Q91EM\WYL|H4 M@(&%= \$=#@?
H_+2E>;W=(.TH6+|EVVVTFF-|MV#|A(2'S(G=|CUR(2%,P# MG"Z>*O| X"JW#=#|00X R-
BTFC),!;"Q3*WKD,'9?FZF6400+A_F/N1O|SA9 MDC6"R2FN?A09X1^9(FEH7OS;9+
^PO:E57;@\$SLLXQ3|H0Q#1-|JS"ZP|?7JH(ATL|J2 \$B=9K6VR6C1|; M-6#71=>4>*O3+,B8,G52P^G3|;
_HAS\$3@:'0Y1 %E|,3*WA03Q2,C.TQ44 M(XANP#U|NSS-
OQTU;|39\$;GGR=#/\$I6VU8G6;V&HH5PG;E6L<8@1.\$ XY MA@PB^,G;_M3Q7'G=Y&Z4\$YG9A
MSI9?-)4XEW#J 7R-B J;%FAHNAPNH='K5DW7T|I12*S|XD8<#|Y|44|JMSN MU(|@C>
<+8W0F>Y;_^\RO0;SR*SE5""=PA)*BROPU;@0F"PB:(EUQJ4E! M3L-V!|?C9>*F?
J(^S^,XWEL*W\$<3K@8.">Z.QA"A

'93\$W<=<1PH4ZQW,;6"L:FK4@*GMISQJ-%/*4Q"5X11)!'%Z'I MBH1>MR-31V VC-S_=Z@J3>*);+
0FMP2:NYC U<7(>QK3GU.W5B4L;@>JPLH MQ6)7HB8,;(#"B>8N0U=H-D@ "CK,3\$F-?
_3%13@3X64^6;E%P|=97QNX/#NY MTQP.1P8VT)O>J;P%^#X8%U^

5)'47XD2?/8^(2,#"ZT5(GH'R^A:0*J4^#)L5&3>)^\.!X=1WQSYFC(F"Z3I MSED SX&9FA_[N0?
%/J!;2NP[U?W6D%@-LVE"#J2\$V-A\J48"#W-LX+ZB\$;"V MV6Q41W3A4)3M?
6X3G5A@,*O)=THY,CBD952_GZ_"^G!";M00X0N?=<0SXXL MA=>/7M: ^GMXY+>L;)S8>V#V\$?
#^FP#C=2G>/RJH+\$IUZ#QJH=3N]&@!^;6 M4_Z5H>BU)*G^+"J! L#RJ\$16+CW378IU9)RS&-
@7;AF3(HK5_P+JXSGO\4WB M*53I62'F^_G99W2&L5W?3ZS^A/KWH?I!7W?W^N:YSN\$ZHXSWS
MQIH"3-5*C+XB7""/DZ5PJK>+H!<0HUS-UF0%_K43P3X/QHIS*ZM=^EPD*'F_<_M-K?
&;X/T29KR9L/LK M/9T-'=6V\AT(3&6^X6+L\RI;*/621\|>)F60=Y%|'N7=0;LL1Z6**>*C\$@L^
M;9J"YMT?AW:L.VHJ.^B*(&/;5-L1EH'3G^EG.E-L0SJ_YX+!\$DFJ+*I@ M@=1("G!)?
E16FCQJDR\3BN:9ZV\$8>PS\$O="@||VPY4";#_,#LH+U<\Z&RR
M1_6^8)'2O<KBCU94U*H<;JJA4^?;9LMND,D(GSP#&==?X> XK=G!-'=&@W>9E&3X!PRB;3D@1-
JX/(*824?(@ M%PZCW?=4=7LSOI)-M*!O#J\I^I%676EQIO^_HW2L5)\^3+C\@A#=@IO:UCCX?=JNS2
MVJ^BDGX_6\<6C_R)*>GYY<('GG697;@;N\$LUR%2CH8HX3QY\$HT\5<*)2O M-!FE *V37. JK(PL4S-
2B.A8Z*:K)\$O;U(0=75Y7\|#";Y\4_1<\$.=0D83(
M23BB4_J:);.5JH#:"3(U0UE18I^@;0\$YPU"U>8;RL7).0Y7>NYY>/\$V\JB
M>/A#;K_<(.DN>5_I^R\A.T\>8P_43>.OSH(HWY5LW.!,NROOBXBIPG, MUFLDK<;"W?
O>|)Z227(6"O\|SKEV*-W*V2>9H7N^6Y\A\2\%"WD)\B_I%1 M;QU2,0/=>|3/E,;:'KUH?
8BZZ>L7F.G'0I#GAKCY7%CV""70H)&A;2%/FY09_M>NROQX1_6A!&H5N+A0-6_5:R>VE*F,^)
H\SI(M)J:7X\H\NKZQ_S(7Z'9UE\0 MY#5^5_(C\QK#W)QCRM/L\Z)%4-+?)V1S9M&C:'1(J8*T&IML'!
:+D1 MJ"+WYS(2\$EO2%F 37*5=93+Q:GAIB8!T+,D+S_F;DR7=3-
/MCD:&@BUY*RYX;4D5T&:LARKL5Z'&+C!&CFB@N?
M:HJ&M9^_TN8PWC%BX/\X\I"8R^#;EXQV9^Z8'.L6//S-3F+BVQ7"&HW\/\$A M7FN.G)' O1)-
VR:R6I@)MZ(S-H\HZD_9;(X@*5Z_^QPVOXK M8SU8KE:9G>W7L=46,4KU\|VY1
/0Q=2=89Q'S04\W9.3C5\|MW6#GVORKLY:D20\J'L @'L:ED\|@2B%Q7@PYR=
<"H'Y)S3_&QQLP'TVNF-K\8SV\|WAK P16!9";OA+. OKGP ;#|M*@Q5_V
M\|(MPDX"">ZQO\TKW\ DE*OSOFTIYS50\ANTRLIYM;M(-Q"0U\WTJ1V)^O' MM'2F5R2G?18@OG
4GUC>7_I492?FBG_?YVPWVEY52!;JC_>*'9.G:@OG.6 M;07\7ELBM;11 JV_.+S#27_(K>7;+|57
M+M6\7_(H3)OSE M\WM&S\T M+G.ZSP'=Y^_Z\,%%)J)5WMJ'&>AZN??4^9J_^^RW\|SF+|3
M%JKN.^4C_P\Z?<8MKW.LM9?""BW?=#'=N^*49Q^Z; *E3NFX!*YQ
MJRZ&";A1SGL\7^K@V^/)&Y;:JD1_4\$K@C)1?E!+@>B*#ZZ*RW#C7GY5^_*H MJ_ FTVVF+HGX
\$M3(JZ&DOLH02(I2-6J#(? F\GD=Y_J_X@O=5!+8^XJ6&#?#E>#F\^>=-MP M>:FK';MB/=H"!?
QP>N1-@4\ "R/H\DV(4,89BIO@PR<@5N".8\ M,Y;X\U;6AX\NM(D*!7"HOR)>67GKNGBI>'HLI^W-
LY(\$I9_B) 6E&A;2GJ% MGLH8@^JOJ1J\UW=USN^@IR*\JN38L>/5\EH..#&O,6\;X?9^1K+|,XE:3=(
MZY;X-K1TI'M_K\0VZ&Y3;^X#GD6"TY?-5FV;=N\FOS3I4 CDNY)6H^/PGN\$G;2F=NX-3M,5\$!_4S\!
MHLJ19R"TP;S\PEWVC;G_?63K_@FR>2QOGT18K%3AG;G_Q8:8>"@HU;43.60 M1BVTD\DM1-
6^RNFCE>|PIV.K\<>4#@N;#%;!-TV_2LHU'81E?>TXX!*U'^\8W0
=H>ULM.EZWTH5P%T(4<=)\$)=33T+IQ0\$KV/L#)^_M_E'FIZX5EDO/M"W2R>31@+5N;
(0E9@E/D)P2#1,1\$N4_IK)"\|><0M#|N8;; M(^;P9_F\$4LQ1-L3GR/V>SAA'#\|><*+=.(X,.O#APTS+[*
%IATP:EH0\3 MI1_C:_)C4\|@ L&#B, MAH@.D9GF|=NC47*@B?%+Q3@3\|JES\0M3\;7409
+;2;S4+VW7"?!0@SQ5W,?&TP4*;@KF;
MK^E\3R.XY!:=YJ/8G;\$I\H4(=VJW5IN\4WCH\<%K#.X>@VEBR.++Y'W\QTD
M&D TO&8IV04TK\WQL6YEHUM=0E/)/#E?F,=;%&[H#^J_+L5X6DR+CZUN9@P
MOU\$C%|\1,IU8,VM!U8-ZFFKOF*,#3QJL?H"1(-*4J07VWEB,B.R
MYH>2XJV7EHJ1#Q=_+RPW>/%G<%'?DG,3-)GS5=|VPYPV6\ES^@3!6!4Q1.(MK0:-
\$""XC6L00/7IR)OO/N@S,?4\@5Y6?3\=X?1:T=#;WB+7O*!"H/O4
M676FT&BMO>X'EH+'%U.6MF3*2_6#6W(7G71BB_%%LRT\$JIV;S_)&X6KNBI@ MERW2#GB)06-
T+NK3(>54-0NV,JGZ2;,@4M^-/50+U-6R;R0)<22R5+"\$5+V M\$LHK;>|+
OKMUNI"5_#7>LE0\$AKJ9C*&Q%8@&%!*X'X#G&?"S>6<|U,D<2NA M+L^@O5)>E>^?KWQ\>=O
Y*YTF\UNV\(|OC\XHDWX=B5;9V"((I=L.C_Q\|V0\|&*>(H\|-&1>T1N-L\$L9TVE-0*OBEUM;N
MM.D)\$76\$ _&F30>U7J=%^XR/46%""?^V\5PMK?+?0M:><*0U\5@QM7A-9>D M?T&2\ MO1RI89-
KE.=18\QWKIK\Y*%C+GL2H\JF+|HBKJ\GP=C/644\X;1:0<\$D\H5_3RIM M=G8#B/&XD.<\$:KC46
VM4\$U 3XLY7ID)6\$S.3N#2QHX_3Q'EL\Q)>|=!!G M>2\8=,GH9_2#\4A-
O\$/2#K2;\$#;U.1/7&*+T\J#3\|KWL#>J8G)W\4ONL?;M\W *4%&+HM7_
/^0)KSSL4T31A#MY#6^NC\$R%)"+IO\TO4\$T5QW#%/+6&"SJ MLH8W=IEQ\$N.N:E\?
F9>^*5AS0=4:EYN3_*NW\F9U2V;_FD2\OKHI74"-O51 M;+R)2+#+ EH0\B(4\;-(4-
G"V?"FL*X^LGGIO)=|HOTG.=B*3)\0LF M_/ME/F8D;Y;I?@CUA91&-P2\80V7//!9-940\$ZSJ KU>
|DP\IUV SK12\;' M)=5'L/B28_(I_"C+%|A#R/(@EK'92XY\WMCL&85M^%,EOOX S N*# \$ T9IP#5
M)C8?F+^"HH1&|UOWM9\$++^8@)PIGR1I&.@^FVNW<(|MN*(S.)+<@
M=E%(%)&%, '=O>MCQRW0ZGOV'2-O\;%RD08-1N\$LB\BL>T-E9TYIM+YX6^=*| M2#-[2W?VEN)
|/>%G_I%&*KBLX548TD#U&(T13;7=9%&O<=ZN*R+J2M.>|;:"
MP4PXH;W<"3&Q#VV+F*I,G=SQ53\;@J\Z71
M2)\6%:AMH"0^_;;CI=;,>;>H=OHAM**DW604HA&&.PT;"Y\ABO3U"@_A>=E_M#L\8GZ/K4T;!
|OC\0SIGI\$HV*A MAGXNHE\$5X3IQN(UM_P0U7C"#P@^+7<->.FX\|U)48TO\SF#5\|BS;,&QD;&
MVEU:A8^>3Z&-E*F\68 HX EO=|LV4<,^G\^N4X!;;R:L\$PNI?G=W

M[,Z,; '=BV#AQ9<^5P^MK)7LH0-0+<)0"Z\$%GT\$36* @J +9B0ROA;M\7'Y'U# MHE.G\|0#U:;\$\ \$^?
+4:F2MD?:S6I2;(DQ&[V@: ^B&U^><1R;LFN|YR>4Q5U
MDQ'5VO=F4L/^8%D(+HEJ_!>DJ/\$.QLCA:RA!E*A:DUB%T)O!7LAY:BZYWCD
M,FFMLE3W)^Q _'RS38:QCD,6KWBL9:PXAI22I1/YE2'2)42L*O)" _Z&AN0>1UAY\$@V#.'S):K5
M3J6JUDFG;>O#Y27W\$8O MO"4ZM^XD*|Z^>?:& KC[48 .)PJ@.@FY'"\$?B|'C.%4 _;)21|OC\$>5|K#|9I
M3659Y\|D&OQ'01G MI>DQ|?AS-J+Q&H"8B=|WSGL40T|Y\N^&_|2;M7@LCZC/5?PKS3\$X^_%?
QY3O&>2VO'J6>JR40WT?) + #KT'E>E|_KLR>U M2B'AIXO4>BWR) 9&|WS(% _^)R.Y|B_B5V-G?.\$-
HI%FC _!S:;!7LLA55^ _#O? _M:| /REW7S9:F Q?N-?LK//ABM/>PW 7U&ZP# _S"?QC|^+?-/+=|_V6.Q>??
U<|H2PU/..!P M^ _IE-E(O)M)<"4-7%Z.V0G:#U3 28AD|7"7-SAJ|T#Q@E*!X5_ZA_M^(R|VO|
M,>\$;|Q)4.FO|\$(U;8A=E5!O/YQ-\$7|TCGY1S@ _>#-H?G77M)VN /=(/2)3P
M*WQ)RRO/.FCV:/&52F,AZBQR3WD=TF'S+9688K2@!4J\$Z/5K:...?|K! MF.S|_+&'3O4W9E
M48*1:EASDAG|@\$+1(4B3NU&|<52'2I>P _-&S7N14TA_LQV:6-B1?U M+?TU+ "JE|%WB*=%-
! *AP6|B'S|DG^Y8K+F, ^D !. 'U..W"V+@0PL!|MU|/%& =.YF)W"! ,MK|XSHL4^H116*, "6 -(A|Y
M\$*R77WIK3U @(+>0G\$29Z2WUFDH\$3@JOPK2Z/\$T|P+W51('4HKUU%B-HP2E M23MW-
< _W M9"*63%OI23^VZ'Y|2&C#;+ -KK H1:G'H|9D>= -BZ|^1&Z#1TA M=(K+K?
_ /5Y|QG<69F|\$(.3& 73D/MD|D#HC\$+3"R9Z;DW.V-G6F?D9/|0=<0W7A8 M'%%FRIAQIE5+&2|YY|
|3L>*>)+>YSVQ"E^ZCT&&'AG7|G61:I(S|SL9_HW^ M5F^%|OM@Z#
|9B.W'/|G;7S%N.7\$=|6Q2EUV!:_^):|JZ*X2:_O VOFT#QA'2 M F5^BM|Y7(= _4@NO9N"2.7|HB*0B??
4)L?Q0GL9FUNIHKQ'#SM;M)70+9(R M5=YL6?(36I6M&/^PHF2L6;^GS"2QGDU+!V Q|7=I03H
MYON+6CNKWLU4W&%|K=2G:)|C=*A;X#R7|_Y:55.'VA97XR%WH=,MR'4?K!% M==HW?8/L_*
_QVCD7(HKZQAYU5.Y6G. UVKMC:Y\$|O\$F-7PTP>F23OEQEU M5* >7S"<1=S*0FU _6L)T;#183| _&Z
0!Y62/ G|K\$=;;M. 2!U@SV@|WZ2 M(Y1L2P%(\$U0 _<&P4L4KF(B90%W8KL VRQD\$!|E&MY6Q!|G6:9
JP MYI&?R"U|4EM='H5-Z1/0QL|F:82B)*P<<0(TIT"Q"!0KKF H M'Y<(|>K7VZYJ,J*, ^ (Z:SEM-DH-
&_FVQ26:AQIG7|H+).>Q7HVS5U?F?U0S M\$# +&P&|FFY|Q'U^=58@6-6<:D1Q\$^<
9Q"TMF8\$*3='3\$9V(?/?A&"^O*^% @ MN0X>RV|C^+U|_@9=L7|HOG| #XR2QPNTXE1.FQ M-
Y+HNWXS|B|)\$\$_|*7+K>VYC53:_0: 3P/|JSTL-JWY_!|715G-DO965OLM
MIEHG9*,00<>|HJ"+15.!6GOAP6#;TP"O4XY=(%R%VNO'O|0R:HNL4Q^(|/S
M6L!'%-5*1|9^M=3470U'9)&|R<*U(NN;"\$:_O(E=H-D?XWN+ "V|P<|'"Z|WM(Y,D ^B0ZF+\$>
M7B<14Y?)YQ>>HIAP"H;2)?\$S35TF5@_5NSB7:|8Q3X)L008IP |CFV&|H/ M=
|_FN0X|A=I(FL: ^=X6N;MDX=HW.<|%'ECM8f0;\$K?YA&MV")TE#XK++|UC6GI"\$'1+01U"&_4(@
I"Q _!G_.G5W^?K MQP6E,BVS9-)Y0V^< _+!64O1MOY=7"JAWO2ONGSDXU\$U%E0L1^7(OFGTF|^R1
MXH _>|/92H+Z:KW%RFCENZWR&2XBK _^&\$IB-Y9NA *P|^PC3Z+C|^*=5X1-.2 M|9K1R)D5&#?
YPX/'O%T|G|>&7G&|U@B<|?'H_QP(P|HK0E8P14T1'G\$E>\$;= M+CGHG, _P%_B|PR(-
VX\$1RIZWW0V, ^|,KB.I5RJ%/_L0 _%:+K>93PY@*K MR)+, _UTH@)T9P@XJ9&OG?ML-?S3S7Q-
M8K%*!6 MXM0;|)TUW& Z@2._@|1+W' <4=, _Y_W.U6|F"R;LBWH!|L"JU5UA?;_Q%G<>C
MB;RB&UX)+19P'=(#N-FV)TSLP/TO:LAFS2M&1G8/?P*SP0@|KVZG'=0"Q6-MJK>2%HC#6-
WRIV+=RM3="IO;;C+Y0!|LIPL/(GVMO@LF11X9AA^=0H^I-EN3 MKJREPC@#XG?/_= _%='#K%>7R?
XQV|P.*XZ52B0.>& 5X_AFI|ZN,UAPG^* L1U MTZ>+@ "796G>W/B<_6:4|
/5YR%^E37NO;:|R>EE>%L\$QW"7 ODG|H#E67L|D M5|<3(2E|7H@=VH|+#+|U*!2EY=)M\$U?L;#VZN
M"VA>3V|JR*|CX0VW&_N?R:_Y@02N*|< _^DN=W0R"SVU;)=EE1|*J^:"7^>0D
M/7FU8P|K|OO\$X|:EAF:QCK7BQV.W1%NHW&E5Q(>UKK^_6R:S\$'#B+4C1|4^2 MA|Y|B)OQ-
<\$M12#7_.8O:3@/OZ1G.\$_7+!|_%G;_>,\$J|!8JF _%) *+O83 MH=Z=Q _@6K;_6->"I|BX|^3%I12J&J|A|G
|ACM/M<>_0.S&D8>/+ MLSB_9TB?#F-ULI0(XY3YA Y%EFTN;A'D |X%Z\$|Q-6D* _6VX"O|>2C4Y|J=
M*+=QQ6|TLFWP0OUV>/F>42IA8D%\#*! ^Z47C"NI((.IL74/*8?|3^BF|^ M@8'T&#'_UB&KPO18'BY"
|0\$3#0\$|JV|6.CY;|F^U" T59#_9 Q|+;_VR=3 H4Z/_F ^R,*B^<&L.Q/O:O3)' MNSP|E"P^(8+(D'\$FH*"
+_%G:KS1N->&->#8AH:"G.7H+HCU9Q|FZ|1H\$XB?G
M33C)+3#FW&'9Y@=/P7#LZ|FR/MG71V2Y= _|+UYO1QOS=|25\$DLJ|L4U%\$ MJ*S9I@TA"2'K5)
(M9!=CIBA\$3 AE&UF:\$)_L6< ;|0+B3JRH;BRI2JP.'H0'L4KL|_Q61.G4.>+X#A MI+KUB3A?
|ZN%_@EMS+_% _!;"E,S9?KZ+#+>X\$'M^X^TQQ@+LH9^ _CORVE(984P:%Z*|0|_2JCM/\$D!&HV MAH=?
F&XU-Y/5 _^QS_6SRC,|5R(FG>S^JK:5:6X=ZY=O!LMR%|2X?O7XWZERA MV+ .G1=P
Q_CMBFS|1+ND>3J3#7/*;G6EGC3^< _LI3Q?68B^|H%_SDAV%#M9
M5O9EZ.SL4,6D9@EQY14, ^QK7XB|U69DW 4\$BBL(VYXDR25|XY"?O?W?(4=_
M*7ZTA@UC|FB39"D:9%7X_DWQ<+9T;_>H?(5)|93WC5LA+UVP;%Q>O6 |%! M@6:_YCN<-C|BQP6
M+J^3V,=9*%L)19\$A3)ZP?&|TQQB\$@P72MDQ5&N,+Z O7=\$ _VQ|1M -|+A),BM2H&>X0UOJD K#
MX=/%'H/75P9N!8D=>R&Z|G&3U0S4AC>|PF|%TO7I&K/2"JWADJ^9J_T4\$"& M?M2YQQ>
("8Y|>J|W;1\$RR?;K/_+(8?U?)G _MTALW>B@UI:YTX45+IKOR-)C4 MOL1O.14"?+VAO3-HZFED7-
%:FX_V|+#+|WBZ&>)|J/FO@5TO<\$1(O14+GC; M8BPRI!7U3F:_0JN1
UT24")K|J.B)USTZI#7R@KQQ)T2+|43=V:CU(|>UK^U MYR, \$W%PM96"K>+R;K: 4XQ:TNXS?
VP+KU-JN3@H@VF6+Z6DF;"FRE6S^ M'VCF6QH|Z|,">@\$7@ZHS^:D-),5LE|Z> |GK4-
N9|*#*=Y3V:5++;N#5(; M;#?5\$
VX@>=Y|9M>&X8JTKOVAXHD38M3(1|9Q'CVI1\$|EBSHH'10^M0> _+@F7(0N57-
M(^XH|XQJ7<+ #UQOK+5:&:/3X;10#45?EV5/*CLRM0H(.@E|?M^ ^B>7@_T??
M8Q/J,WE##TH583LL T8L4|<31(I:@A_)(W7&"EX6Z8^D|S _"ZA4<1#%MGP2+
M6QNR@(>G0W|3_10T@=8P&>F+OTHB0U&3|HIOJJ.OA4| MV\$>.=6?>OV-
6>R%|A_U%LTKC!5A_)Q%'_EN;=&Z?/E_1_1.*36#KY0&N9Q7P M'KDD^#2VD*!4@\$-
|FV^|3:6VQ@)_ PUITJT*?LY4U|Q%A(1|80%-CN0;L|N MT#USB!0+:'T,FP*5N|_4B6C:P>G?
H=A9*=R^/9"%N MX\$/O|QE9&!_T!">E| (GR810|;+0PS1K=|JP1|_%"T0|7T&3T4W^O2|4LG|H M"

GJc% KK2NQF?&)JO.CZUN99"3ET51N"NZF,HCv^W?#AI,?AU:E&D/IUNVR: W?
G&A9)"6:DUJNQ%Q="Y"" MZ9,:DYXAFSQHC?
C,@,%FMZE^A/%RM!LYE;!%KUB9)593IY2.GAE:"8.N1,Z M+*&./)X+>R3PV77KX%|+YUE!.Q%<'2
O;009C=RSY_4<%X-&Q+E/9F[TTIS MZ7XZ"+E("!.SI._>XA7;'+"'\$4W\ISPI*Y@A+XS?WP_7WOW M(Q;
<;T&&R\$|=M:50L^|6QLZF6&'6-P4K@8;^9_T+5|6Z!6U&|U,0%T(ZG M^|UWV7.'DY+?"
SX|H|68L,H(I'Q)".5U\$1M""Z+UFV4UF@63;+YX.G17AT MZZ@@?*@Q@^/PI0&U4W?NOA'9:A.?
V@^F#2_B5O#K7XF)V5#I.'I'N|ON6 M|JWN7O17^_D>C^"A.C=K|56_@!
|#!-!)FWQY9>CZ82G(W<=G#S_.H'C=A@@_MSQ"V45^H2(K|LYFJ\$S_:455;6\$JY,Y(F&1(*Q(R\$;
|\$3&|=X|4="D%_9_; M&B/I!2Z\$'4+E?SCV_O:N3WAV7O9!|/A3YBCU\$FVK^&'@L&Q|. #9, #|0C2J'
M_O!"Q|/G97/.MAW,:BTD.O\$&TNY!,:DI_j>?T0|33R9;E2LYI\W*QLTF|IA\$
M9QYYL5|PZO:BCD:HH0B|&?<9|@=(=\$L\$?PP(JX0@T|TQ(TA'<7JV6_15Q7#HI M\$>WPX(1.V-
6|DCECAB,\$|N^:7M,':I_5<>,&/JU/U@)100W,K"> |@-%E M MY"B1>.4WI9U;2%Y>-
N/_@X|RI|TTWA90HV?V>CH|O&9"N-+J8L(?2_2|286 M@^\$.?| BUA C,E1G|HSC46H" BD:|Y4O|=
M:|+ #_R'CTHRE/|5&1HQ7UPM'SL M"^|7+DSY&QE>468;79=VE0TVD\$EFR A,'HAT"|.8")JH MQJN-
W:ND>Y8TP_T|\$F*>.GJK+4<%I5 M-7X=!(MAW\$5E7|^=I"OVBM4G.&0IT,9;80*R3A;
(LP\$(E|WMG2Q-AP|O>*.G MBP/E68!.I6>W@INR7 &L.O2%L/D=J7->U?O/J9FKT
FW0XYS4_0812;34'>J M2.ZR6)Y?|O'RF(EE||^T3THEW<:/GW""|+0T3H|C+O|XE#*|OOW\40=UI624
M\$X|ON\$PRO%|EP5\$R3#JV#X?LXD>+Z2.UY&Y\$KG/4;D)|64C7C&2THA;SWG?
MWN)/.3QZUN^PI#2J# M8 |':#7#6YZS9_N1^1W40.6DF:FOT9LVIQD)|&|TX:35G4Z2?N\$D"T")F^8
M51KJA&9WOS"+L%Y/VRG1HW&/E3O(TGH!|=*'LYA4XT&G1|I7-M;ZEFY#%T&W M(
|6RD\$5:\$'/I@65;JPZWB,1W|)C8|4C4Z_O.R>FPW?>O4GJ<&=HWI5'>R
M)SZXPX>ODP|ZCCP<8";D;D'P?O_>PI=1|F&A_#MXS:&RR292SBKM#ECD/A
MRB:>|UZ@|V2Z#="T"6F0;;A//+5A>%5?V-HPY+_7@CGX=/1CQ6?@*WB|;FZ
M\$QC:JORB8@"I%.ZTX^P^|F=J|L@R,B:"HA2?4Q,>'8 T"ONM>"Y+O!>IU!+Q4|O|L;H)>?)K=N/I
MH4.H+YEHCB8J3F?DL@#@2|*/A,H5T^AWZ*PY?;+&|:ZYU#4T?+WS
M_@6W=?|!D4M;LB+KG0GPF4|P|JCAK"?R!5M(^%N0A^DAY =|||;^>.Z!QYE M;FIHY>=UQ?;
|FBZ'>G,5NB%))KRX5|N5F_3P3"ZNPC6F|=SR>6/9R!;?ZUB;
MJ\$>0CXH%J6^!G=,X9GRBG8U4D2"N";RF4" &PSDNU0:Q% MVS/\$D':^8P^BR8H%E%O@<'
_-%J!|E:B?F-9^)|FT4;\$'_ZX0|J';P^VBOCRK2=6O9|:'M!SR:>TV!"VW@, ^M# MEJVM|---+QI>9B
;#RTR)?F/FA13CU|PFN+?|?(_X5ZPD*DBH,WAE*)_C2PB M^*68YI++ B(WM!|7&/#RVD\$;|J\$V>C=,YG
M|7DN<_XK^YOF/:^8;S|S%LRF"KV"?=P.C%6|9')&9 M:E#E0@<8RO|YYC;Y|E9&*K|
|1P50=#;+Q^47MB7\$--,<4"JZ>Z6A8)9,_0S M&H+(M!;EJ9|
((^ ^)YNUD279O,);SE2^'7*:.|5FVP,|_?02H78TFZ|^V_; MR2X/-K:%;JW_!;K@_D
5T8V>* =1Z6#_SIZEN9N(|?QJ\$|DAE_8|W15=,2""^W MQ_5_7=23#NDXT<|J|JCJ/X)G&S2 M-
B!).ET1H7NZ^9_N?3=HY|LA#BQ?V%1#0T-6K9W=I41|P;VQ A(MMT>X;(RO=7Z-
#6&;!0DWNK*7@.BJ\$-9<|HO7(I*:E,J0@* M"EHZ>/|X|=R_!"\$"?T_:D#?7PIK=/R_ (+^D?
|FR|U;A|C: #%7Q*|/NQ0.TP M!87K=H%/36IFN_C#6RG_K3)Z9*9L>EETQM1NO_8/KIU3:.*+)\$0|(
6AR(C9 M#&|HDD_\$NP>QS<^:/6D_CWH=-N+^HX23|G33,MD3|YH|XN:6#7/E=L%9A*H2R"7TA?
\$C"|85V@\$3/G4)\$FOS9"9P'Z M/N|4UZ-CTHO?FF&
|//A+1'Y@7607@W9R;1|T@F:SG=RXZU\$+EF9/P46@8+< MV%^Z?|/_3|I+94#8C48T!!LBC0 M-
K|/K4|9E|BN:DN\$U&V(6+OQ'I88W|;+6Z;|.I"PQ@I+&?C)&Z,ZB&V<<< MF#Y6O>3U,9?
JT_+6|^6Z|?M:WR^?%GG6IE,Q"J0O_*,_20O|4?Z|S*E*=_MSQ;>_BGFPW(*E^FU#"-|/%C4A|*?
E:.*L=FQ I!0\$6O+>'M&|!L6|)(^?8 O"=L_P^SMO!?'8/"N)245A M0&|*/S3Z):TK4H/;&B78|N4S:W;
DV+W(2M8BF;/T%J2C7)AKFL)?M)M+JY<MMXG!S"2"#^B<*'\$ (F:2//8|P+;_D)?O+EG1D/>Z5*+<\$4D;
M6;J-P:O#F^W8+GPM>;:Z&QSOE;V.MX7X*-2+4|4<|*5TY0F"#5F'5L0'E|_Y--H:?=#>))40#=-3-I+M?
KS.\$S>_M^&)|X,BKAVEVK-Z|B|B_SN5BD&-|T88 M>STU=@,50|F<#2_7&'HZ<8"#A'K?
XM;SW'5#%|2/X\$X M'K|H'EYWUW^B58FCPGM+CR?.8*L4,0TI^_&*3 ZS@_1@N_(%
M9^<3SSGR|H;R+-UQ+PA%I#Q9V_:9?9)|=J-6Y/32S.QO(_BI&LN-C J;=->
M&NH3;!!#,@=/:%|L&J6.4E^2%97IYBK|5^J%|#&'CX Y=-,6|F.EW08\$77AC M^=N)#;MY^9D|>;0'L-
|XU|9>%8H?R;J?LPVF_BP0+.QP#1ZKJ'-?P;ISWVGM MZ'UV#1B*|R;,
|(*8D&IK)2G@N=X5X(R?_WEN%-8.EW;1.NP+XXR;_I|J(B)N M"MM;B>Z63
EO&D|I|K;JMEP^0WOK|7UB4QC&TBXH3N8%GAI!S6#H@NB*?>I MGK.55#396!
(RVX^X\$Y71@11:ZRO4^GH1ZL8%V""|1RZ2W5|Z=X_2%&|<5R5V| M!1P%#K\$MRI="ZP*;)W79"4*8
MYM07;* G)9'1CCNL8X|:K&7#&>)|J04#9<=TW1|J\$H_S9"A%#M;=0./?
ZY5NC(L|WUWB7I4Y&SIH1KQ+B MK|XB8T|JXV/#K|BGRJQ;3|?# XJ9E!G?
K"+/Z9P(<3<+ +%8D07/XK&_NTZ*< MNP#WY9OYY\$/RPVGR=)|@/_5-
|_)2IV)#5^0W*H%W^R)\SH0;)S/S:|ZD4DEU3 M:M7G?%^#9|O:AO6EYJ
0TV/#>_*E3|CO|_VM+E;T^";/Y.\$8C_KL8C*M" MM|U2|/L|5=N|1W^M)|KP|L&&X,L8
_E=90.V^!|A|6)U*6F M_K2H|@>3&|1:LX)O@F>O_S)"";//K:S8G^N,C+J%0-)(+S7&#|9M,.(|I|VP MN
D>V|'6::_V?9%XO75O_B>T>_%F_E/LA-7*6S:L(A0.9:_URI^|HRRZ9"
M^E,#Y#IZS:C@5Y@9T9(&9?;!OVA,;"J#J\$D\$*_+#@A<_Z/OP89;P\$@|_C9|W MB*_GKTIQ?
C_N7|OMD(|F_V)WQ|)|@>W|*_PB55BR\$O+G4<8%-2T,/MOY> FQ(1STP!=B|I-ZK|!FD|HJ+XQC9H;GS
MG<|W&^SU>SF1H-FG6;H|F#XX%#|F|#>QR!)HNO+XL<5@?_LO0^8_N_/FR #;N,S|16L99|YL8U-
N%| MPOWU3(PXV-T:V5B55/^@X92X4?A")X8TBB29XR8R&"!|2/N/C7RO3T+*"W M-
M55U;X^SI0=7-V/U)Q_9WOK+B%V2WGB-Y-'EW8_-A0(^&***9-JN
M/#*V|5Z;Z1<9A5@9.R%EP!TYOW9LS0D/D68O|SVH!DV";D;1)|MVL "L MMP
MUQL68^>^Q|4*3=OMV_QY6.Y))9_ZKB^|7WP|H8@P|I+?8_10PDF/OT=|N!|=

MS'BI(F+>91V2>/OMIZ;%HY>E2FAS+H5I7N>[9!9 #? G*KM,./MNI3
M14C%;>N32W^2#9->4Z>^7RST;CN^GZF0N"!H[K65\^AAY0G;)\B3E61:P M8H)'8SMG,6T-
G"TT->MTI9D)ZQ1\I?22KBO?S^O)P7:S?2VN[G'I&_JZ@YTYMHI-55%AO8;;1 H!(VG!
IVUS26869J\$T6>9^KV)8KP:RJC2#-\$9)HT)R0V)! MAR=U,<^5 JFO2.ZIGT_!>*(\$_-B?
I3YP4/!_5<2DY\$YI?/#UCP*.VI#P3AZ M_S?-X%?E8IEFUGG5-
!SBHSY.*RX0IUR<,%:L3VR,!A\$LD"^PE24M*5STX4\ M*38C]>X>?7_ZMV40OLX-
U*OP:VY(;^SI#^58CCG%0+,@K"!3W#_0PF2.4T)\$TCO)@HTP%5*O\$J=YW()0IGJ02C
M9:/2B%B%K*JIB96_=/U4./7%?I^P^?6<_W#AG/^I_D?^#_JM)TM%&UP#J@" M:6Y:F8J898"O#=#UE
:9//DZ=-0X;\$>*)KSE*\$??\$X!W_C I\$:-?PPC1Q.,*;;!YMJBIG5J/(IN1*Z_8.=>I"5:%2GEU5_6!"#>^=I-
IV5\$ MTD^_8_#4%)H)M?^6%37IM6^Q%'HMQWWTVKHUMAT>*+90IGWL&(=I6)NY_EZ3
MO8>+3LK=ON:PCS.'S/J%EGIK\!SQIP\$)A?:51\&S:ZF.HY*Z4)'IPW&1+M*H7.QA0OKNDWW=
(\$.'Y8?LRM0?C<_2IOIH\$68@OV*^:\$'9@N)LB0XVFW?=T M\$LIP-NI6.SKE7=5(XW24XB*Q4Z?
AH(4#PX92#:=LO0%"-R3"BEL^VJ&AQ-/MD*+;(Q.M1!CG",)%:M9&\$_.JH]>V3V-?
^@_D7SN%3AJ.LK5R./W7CO/?X MO\$*2:D/XL5!3ZMH.!@SYU'C<,<2FJ5&F8EP&JHWM=_2W
MV^534AITGX\^_J.N9ID3K?N\WTWPEP23JH"#:"5C*O?B(?88UJF.9)=!. MN1%:?
X14+5B\I;_4X70)\#IRK25X7S96M)I(>00H.NA/ AIV819-O+.=
M"LIJ3K.#>D4:QI4Q+T3>_CJ_T\$4XIU>7V*IJWZMA4Q*=-'7H/I_LF&EU
M,2IHFD_8P%%=E73%S@KJ*+55'W>&@ML/8T4D MSYWC^&V-JX@F'J=AC?KZ5C1+.#-
MW7T2;MK;=_10^A*QR#PIZ#JO"62/8TI MVMK...B\$;.HKIYH6Y7>:#EZ.Q%G(88PW:C*9XL"
(IK/IU3X31BZ*U/A^IO?Z M(A;=IG^"XJ:2R"TI,\$\$CIZ(T"HI:58XIH:WTAKR'7@KHJY>_QDH@8C_24T'
MNREC,91T-DBIPY0VHK%9;@T'C60+*^I#VHTFAX_Y:M*D)P\$JLV+0SX'X\ M SB2-ID:8*XRO4J;
(.^%Z"6^J0X0^K6IRTM/>.=N%:'FJ MI^M'92^H;?<4B54M_#J\$I3RD;*2XI/V7IT6HO0)9V1M'H3P?
88R0DFBXD MWIH6:D,7"J:\$#^G<)4XD.R:\$GTI%0/CGLQJ'CM67D?L6D:IT;^@)'6//?
H&L_AFW)_B>/-8#B9>S?#!V9HK@USRX<-)J)VC7^5 M^@I_K_#EIE_E6:H^"I@C^XVD40_SI-
L)_C_TO&MW^NJO!OP?S!'&O>
M^I^:UY<0E&64>BKDP%31QU/OLBX!@3*_&B'4C#^%.2K8=A*MQ\5L!7\$%K^"
MZ5;I.1(6MXUKC\2V)392Z_/_<3#WROI:U(U\+3DS6&B%5:"G%2_Z\$E0.GMI#
M8U7@N9BZGDP\6EP#EGFW!7Y%JYI9BW8Z6D)\(^A6*+=TO:P#J2S@JHB/X/3T
M%#=#9)^*QIWT'6D;ME@_A<(9Z\$ 3!>I^1Q34"FO(+_7YR=DSSRJ2IHWNI
MQ8R\$TWOL=T2KN\$;N:DB?F++281N,O3M4!!G7;HT4A<I<#K70,THPGY74D5' MAUY7SQ8:@'RV?
Q15?V_H>|8:9^4(B2_@K"=,;F'V\F;0I& EKW=TF_3;J49B@_V&5_GIV'^0
MHEJNU1NK\I\F3'QV+I_SQR^_ZJ1I9ZSVI0NDN7,AUP=[5G:CNN8S./7(?Z&
M\I_>*V2_G&M/>DI!58#L9GV8LDP<"3I*FD,_PI@ X^QR;_N)-GC+EJ"D\$1Y6K0T/(@);NLV6N?
X+5U"8X-(GYFIYQ.*!/+ MR+P\$U9("6<8V(+MWR_%3+4MKC\I"6(YN9PPIM8C16I6;M)#:
<)0Q5_J&V2_MUIH#E*C9\UB#7@I&R\VB\$;HC\I^A*N-OTS+I0I:ID8_CFL32ZDWV2O%6W=- MGR?
F!7!+"I#F*<87/JI!9L>M3C%^_B<<_U9FS6Z%>V&M=SI*KVS*]23;3CC M);
(=3+IHRUZZW#6V5CXW9@'K@?I1K57ZEM M0?ZO#*H%#D"-SKS' BIA=G3!S!M4N\91MO)
(^_PQH\$(2I:L8%>LY";K;2M**\$=?S G0D?X*PL8 M7-X5I0@RXK?
@XWE,032U4/E/A=4#&N/P7SQ5D(&KVK'SE"-R@ZEZ44\N_OI/MN7P
MYHMZ1ZEWW\VO^VI23&FU*H="IT\^/T\I1B_B5_-60!/&).'?^80=I!-M.L2U0P"U6PR2D)JLS/&O5E
>U#&NIX;Y_N)\#AWN74\$N7;R-DM,(0%V*Q_ M@W,8IS""WN1@2\$!0GZIN2NLIIG*Y>7Y2@5IB6M
Q(5B<#F3I_Y%+\$R+I^E88# M/612OH,Y8(8K5VOIF\B)\IV,1Q1HD8^4%G\YF1C4/9\$U8?F@K,HFV
MM%&PX;K'KO3_>=&6ORDB>K8EYF'R7#(Y0EJ^(@HE2_..NI1>-B.?IUD26I
MO8R/;"&HV3B&7WE3#O18K^UA:DCHYLCD:3W(U&JZY> MU+B-O2J8? ?
Y50WQ71RV_G>+&KQ@T%B60'%-/_B\?:@_4>=3E6..3%(89IV:I\$6W5M+B@R'@=@=I%0T-
*U+6&Y9GZ)T\1WX')!HIM:B%Q6V\ZS9\$)! M=Y\X7YI^746X-
SSEO/IU8YIC5&CMZKB,UI^37Z13#SP\$168&##?OX7294L MH&N\$R_*]
IX\$FTGYBOM/+0FS:S(MW.\$S\SO_!;=2P2_.6JG02RFR5%M".V1
M+>GO\Z@)J)'K@=DAR^@#OE+@%R:WKW\$CE:II_HXW8YQ80\$3SC;.*ZXJR\FB MC S8?
@IGB:.*C(K:X4>3;1H95T72IM/QM7,KTIZ6K=+
Y@2J6!_7KRXJ.X.GWCM0I/R8I78)=+DI?'X_^!W_M.5)?H/>K1?SI MX?
P/?C3_U,5.B\$^_3'9NM296DRU/+9X%;),)*PY!>,T5\4N\1MHOR.2? MNFI%W_R2-=OJB1&<*"_
IZ)&6J%?-QVE8JY1F%;(U6'T1-\$NW4G?%/REJC\$ O8W_=6/=9QJZ?.O;_ M'.*YI2-
+IR%^(G\Q;R7'8:8OH)D'D3O(RRR@=ICLHJRKAMYY ZGQT>PI_ (M\$G5JT2NF>
0"4U'=1M2;7MY@"SA6JR_W>(7MC>#MIP9%B45GO!*+7NCW.+^7
M62!W8(S@_QG(+_TM/L)0@)36@8Z1VCM,=RS4F#1(2J98N29#8XHHZXHEF3, M.7Y_?I9N>'MJX?
UW!XGZ.BS5(G5XZ+FJ\+;32%V+*GJ-85@K>.!FH<7-M\IOOU^SM*
I8I^("2D/KD9603B3V@L\$@QAGT/I2I(I5XZF09>I*SY-#X255 M.I/(A\U>O\:%_4M7HU?/7
M:IJ;^2(NJ(^A#6BMS^"(3R!AKB)1?:Q(GUJC,\N I^@^M 94-
=;VWJBC5\JY(+51SDV6,>RW.IYZB=U3X=AIT/B^Z*0<3I\$Y0!(07OX' M4E2#1M;-ZYYW5/S'9\5L
M#;JR:8:P+7D%_I.\$52#JD"^CVMB*HHU(HJI_FW;Z9:D=I'7W/ M&MS)\PL5\$I>-^IDBT<-
R^7PI\C(&4:Q!W:(T_P\$1;@RM:1(Y#HZ3TDLS8O MY59U*4UR<*2/3Z5XB5/+4'I8G_.%I>
(0BT\$C/^DG+D_H*B(%_T9.@: M9C,TF0845(R17>'%->A&5PW0Y9\$,HH1\6E%LKXE0U\OMIQ.A-
OE\JA9?*PD M=)\PQP8_71!\$4:>R%V\$OA1%3?X9VC.Y 5H\2N0R*\$%S5E6V#22;AQ7:U,WYG M5
G9IQY=CSW6\$F4KH7GLQ/D^R/847BSJRKBI=-YTEH," " 1-@AGZF%ARX3
M6O1D:DA\2V2NR'L*R9*%E5%N7DIB,B<\$C21?NN".OP8I-7I)?KC!!Z7I81D
M4)1'./@ (S4H*.EO;+)9%.=8J+ZIE)WGV7K&->\$:A7Z8--==!*14

MRW\$^)'UAG_"G1@%,&U8=S8/VS'Z,8=I1W44BJ'BI/B.9.X8->))A8(QNG^<
MNT7GJ:BL0,Z/44W)/EZ4N)A?61_6I>I?>G*MI3I5+JRLK*L,J&I&ZMY+^K<
MZI9_3@)X#I3^G!>Q.G^GD+_5WX3>_I=7I6=_#N+^7L,,!=G9A!7Y5\$H7Q6
M%WXK=K#3;&B^IJ\$NJRK_7&YJL/XOKW)B_*XYVI3H'8IH4&Z*9YHK-+_A_*MJ2VK>
I9MJ'/H#3IS.JG?(%P/FUMAVRW#3^<4T>|L\$T:@+.%[BES01_7/;)W%M==;/KA.*+J:>QUWIV7T3M-
-;CZU30<>|M?Y'_3U5SZTYMN'ZT>0H;8K-JS^|I>71+T|2S?+U"ZDL8-:*/% 5R>I54I&MGI%XA=
+3VB)3@H/DGV=#)JA<;C>FS@)GWT\$OIB)5)4OIOHVF#?E#M7C+S|E!C?45!8HQWW
MTZ'Q0;)BZN3KIF5UK6Z66+@MN#P-#9TU_-.^I;
IR_F=>R2B',4"P*8PD|*/^R:XQ>P:&>5+C:3WG17I^9OIH|/?6M8B/IC:F9NEP M@UCISZ3;'4VQNVB|
1S+>FHZ ME=K*I8Q.UJH!.*4LF/NMU"EBT!J%\$Y'=I*JG:HO6AVYG9LW1T0/PH#/Z_9?U
MA:UE<-6>CA\$M_8GK; M^4SW@.U#J^*!UJ% ^2X#A:"ID)UR=-%N%;K
3>L1MJ^F<+'="=O)\$6%QO3:KF MK/G(N|=AWZ.I8-)P_*=&?_IMF\$-
B4IS6S0!;33#ZNEO+>DO!8KO1AYN'N MSP3IE&(OLO4A+P+1&"0"&|.C;O6_3'_E=^#^H.OK|<51-
EZ_L8(+JCEDG#T MD'7U;KT|"SABO6Z'68>H(Z1I3J7*-QKC/F*RG>:;!#:7N\,G\$!UJA!_.Q^0>
MK:RA'Z:=-IW+;4XO1UR9EI'3B>H:|JSPH^O#|"QCCVK"F"FL_Q)8T-'?)A M W")Y*9=85Q8,X;O3OYJ-
%46_ZWR;97?;\$Y |R@9#=6UI/\$IRBN./HDOB)R45_MS^H'<|"POFI94D30DO7|
<3IFM^'O*6I_7|A.UA/5(WN/^\$N|ALIG>G M#HT;3\$7U+B+|I+3 M>\$<;+=D)K>|@?_O#&M?
8^IZ7S7?)B?-MEJ_&W&58@.H"FAH|CWP.?T+2H*13
M.V.F..N/3I"/-7PVNS'9=V@EK!)\$>L;60",H0T|,@\$&D.F'64/^\$B(G^F%
M(.BET0>E:T&\$&O1|MY+&2BNZ=5J1&1E'UL&M'&Q\$DB0*X1%^L6S.I-/-%I*0
MNO!6<^9H|MX=F!*S!3LU?&|!"3A.;J+>JN=4K7S_'3%SZ,CF07L+.(XUMW
M8X)*O|\$^O(W#=%=|!D9%SE6>?<|<BK#"-:CU1X23N5A:LX#):@O?+9E-HG
M>,^W^"WKO6*ZI5(0\$>U0=8QV|+!+_+BY?>)/I>UU4?M% M1YR0^R_7D^)^EY.YT1?^ ^QT+B.
(=@8)H_<|PE=5M.!XV.+6|_%BI%.4.^G|M"YYAWO4B=M_|X;.QN#9|CHB%:K+ M EYKM(.B00(ER6O|
F|E|C9^!18|XW+F.E9!_73#.O^A6*2C00=|0Q)#G_10""Q4V MD6Y@DH7/A,8MC*0>
I*;/14H51M<%R%>,89(<:O!^<1I;I'ZT7(-OCHMIA|M_:VXF%JINF..DQ7Q=N*9_'#%!
(6+/T|,"\$0Z7+>=)>O8X|TW;HH%J;L5J- MQ=S8;VO_%>\$1H+QRZ#//@Q1'WJ5FAE3O^3,0(DU/= %
I*J7O|\$_.7!^ ^L@N0WK&O9;O!2(8F,H|3"?|/&DZ;GZ3N;AK!M>
MXK|97C5T!1.FU'L:|N%|K%ES_DVF|7:C2V'8':VE6LR(.IE#|&'R|*|&A M&WJ1N?
6T&4.B.4F<|O9/8;87T@0,\$;-B)DTS8YX*MIXVR_KU!\$XF"WKWTA. M|:EOO'JURW=AV9FS8-
/I'XS_I>MSG)%PZ=1W.5QIMK:VFH?=OJD15EX_Y7U
MM53R+ODTXYG1SQ6|= @3F<=%>3^S4SJHR90D1C94|FM(.0'U7)7B5#9%39@
M+0HW&E'V%)U|PQ3Q%_L:*RRRW*O_I*C4IE;K^'\$EH%D6!L3E+8R2 |HKW^; M*:-EG14?
&V*Z7!43'A7#>(>7FI3CG.2GMF4&= Z<>45+34SFQ(E|M::EOAY'>*8;Y9BB=^#:
I8WV:C_+J#7)*O'S16&\$!0_58PQ:W.4#I?^A_2/HM M7)"98,B"A.LKO%79^J?WN:N=.\$Q-EES8?I
!O_"FZ?#*LDG%|XXZ^AU#D1I-R=:#MS8;/R6C1%A_0345=\$40Z%+K#4DF@)O7N-@J^QPSBXFJ
M*\$""2.:U9\$^8V&O;%|S4T|'K^"+,NE71J!>LRL,%D_UTO\$.5F(!Z#<#8R9X MS+@H197T
;->"F1AK|2.N.0K(9IHB\$TP!47DS^F1IE,N)VPK- X!=-WX:W=C7N6<>MF M.N)DW08)%L!&=?
MQSU8+<)L;UP)7&L6IEJ2ZYCHXGI_JE>-NKI=-14;L%8=E M"-
^O7OS5HIB+ZX6G+4NUQLA#K98Z!S.S:%.F|E4/YPT_9>H9SLRF0W*/FJ| M?QT#0I=)MG<_MKOS:=
(=CG>%_QO235G_3C/JV^|LO_NSF,UH9?I;|CL2@%#|I+/YQ9P&>0R?
M|F(I+V@_JVBHG5Z2\$H<'S(&ILZ@)D_F**.I'I;|D|LIDJO?;Q++/Y<1#EJN?
\$W.*:^MYTI740Q>7(QI_H249&#T1ZC;!=25YMC|*?#_1-3UMZ1Q MCS^"C0CKN;:I?
13HZUJR6@P64H|U\$15|XTT.""*(=<E@L5UQ7U15%%6+.(G<#ZM#|2&H@_ ,NQ359%J_4KLSV
M3.6;2_HGU8:_BX!_7O./\$J_ ^0->KM:K|F=3K8QVV_QS(715KC1|CWZS\$FI MHP1-
S>_QZRKIF_)XB^=#P8M#B_T#.BK=*@YHPN;^6_)H169|DBS@D208SRP\$1I
(YIG'E%4Z6F=3519WF#9;+MM>_XMU;,<.ARAUKHE-4?KO>W6R);K>#O:U(U6OXWH1K;KA(3?+J/J|
M^L4DPI/?_YWRB#M*!<^|>GH+|I>453|I?J_&GYJBM%1X100<_S74|I_\$K) M+VSH9E7&5*CI&-
&+W+%M\$6W^E:Q8Q_L\$^BV'V?O|.B|:O8L10%Y|JH2B49L MW8&""+3|JD1C?(2=XV29@,/ %Q>?
G3ZOKUAS/UM3DGMN|1S?FB?B8:ZHO2L|EO.#.:MY"8U3%VPB=15S&S(#R-FW.D,=HC =
MJNG|\$_2MUPWM|_MW_')*F?KX=?|&_OOZ_ (?Z=K"-=97ZH-/TS|Z#YT|<4EI*9(I)IYO&J*Z+.
I7DXS*WN_*O|S9/GD/V>>#XR.Z5 MRTJ^|K+&HMJ|AOC9?7I0T^O-|"
<%VQ#_)O#,+A2%W80UCL*_I(=N051;@,+ M'M!"OZ&&>8F=EGKH^VTCGU=@Y5MY|_)X)@DLF
|00JFK_|RJ_D4U\$%BX)T M>9Y'E8I^_=%Q70^W9"K2W@0DC|EH+^7Z":AQQ3F!)MF_96-&)HW;+CQ-
)51 M?-77RP7^6)&N^'^G9T7G#^WKS0>_U^+>CJ3K%Z|/I7X"34C/8B)@W+#!1EYJ
M,5FV*33X9;UNGN?GGI+%|O8AW9?#R.C_?'-U@'62N^_3L=Z+DNG7J7I6B1M
M5^|0:;5@|H+.H|\$=RI(&)A-P/B?*'9M<P.QUS=EH)@60"E@U\$WY17-/ \$F
MS5&EFY+/&S\$UZ=>&CNUK""^=LO./^N|9&;&+EC|-B332X?@JBR_\$WHB;&V M0:@C>5!?
BLP_Z|(*\$*Z1?)=V3@:*0OV.XU(j+B<)&W#NTS;YO*=AJ_5N-' +6 M|) |R2I9*MA- WN(M*7X>|V.=8S^
)|>%FB_S#"6U6V)V;.6BI@\$;Q&8;> M=3(DAD_9!89'HY%5GVL*6?
9YNG(\$3IE|73;|GPSV|Z&WFSS58FHR.9H\$7+ M\$&2GTYFAS7 M#MIOXDWR|9>Z<1|H#G,|U%|K
MNKGH,^#KQ5WTQ\$W#FY4\$B_C8N_|I):.^4PXKW4#&16;F1+9.KV_0BM^4I/@
M^00N|T#B@OJ7Y&/5- 7LTY_@M80E9Q\$|G|=A_58YXR0:.)#FU,HIFW01<96 M-TW|G"&?4P|)/9/6
HG0.D|;H%8YU>>%P2Y!6_*Y,A>3!)HAXUU:6WA5(2_M2VO;0;KDTG"+C;ZBU7UEN:.(//Y?R
;PFY,K#2X*VR|)D<,-#-RM/&.R5WD& M%?60!;2JMP?JAKKUWZ?
K^R3^O|/"7EPF4AJJ|%ZO_1B47AO*\$XX.5'0@|H_A2/\$6?*)%(XQ:++0E:'K8W M|J:P84C
*SAQ/"!;I%PDLS&7=P-5O&!H'*U82!^_EFR"2MR?Z"\$BQ GK'S |DJ) M'7QO^J;K;07E)N>4.N\$|_%D?W

O2Y1|W|6>W&%R,2=P@07:U0S3U,HPJ7)7 MT9P[KE:\$,)9C?;A+VELSD%0ED\$JD*-=D.&T0PZ"\$:-
R0R.OX#BKU92,61_N\$,...5/ \$|#RI-*/87JH-^N5?R<+@'X|
MB7"/2FOG#0508'Z|+/L^L@!>X0^8I3DA.%12&SYS-KH%+\$#G(.|9(C(YR1V(
MDN97.U@#E\$@W8>Q|F0A5%%+,5/ICM&&=,,4ZYC!B9KXT+A05H-%XK"|C9DC&
MB#7W;5|L.OTN.ECFMDW%G,^WV|/=\$07U"+;6;GPT^V3)<2SA-K)*>E#G7: M_#);=|,ZYZ(7-
>@ "R4P)/*).!6R?@.2,|/BPU3N3JD|6F<7094>9'(R<2N2> M238\$=(&
|*|6A6L^FT9@3|SUF_0AOZRJP=Y-MOUFQLPX.#D?.\$FEM23C6I01_ MTG?>#)?
VJ6+R#OKK=A;\$Z0<=[\$7I#;..M^/(, '45|PSIC1%IH:91ZABI|=(U MT,NTJR%:HF8-/'%1TT;<=
(ZCU4L.3NQ7L+>/\$1?0@ZB>IA_7*AF@;=OUU83Y M|6_QGX<,UJ'YF-
W(G7(F*+PV%LLH!H%9GP!06OV@) L?<8'L7-+N|IMOTN|5P(Q|W2TPQ_W;IX4 M0#%WBU@ "4?
^#5=NQ4S(\$J3JD%O!|"C-KY9;.C,JDRXCNA@W3P8H&J7%;=S&O
MAD|*V->K7I@;SN3PE!E6M)3DX#YANH|O?@BS)+1U@/\$HGPY+Y!R4 G9C 9.N
M:9DA*|3|Z7VG:=79.F1B5B/NDSP;&TH;LEW\$#(K)1G+F|5)4CW?&%%E6;3Z MS.9\$3#|!G|3|E|3ZAI
M2&'FSU&M:U|1|T-TNXPT^+|9.>|(?T%P|R_8GH%3N|R|F-0>:N8&"Q O3J)+|YD43.S%NV;IP=*EF(
M|Y|)J5_#|K ? M|V)WVT =#7|Q| ^|H7K#VAX>I%R3.59SJ->,SU;G8G">|H#|D6RZ=:<>P4NU
MOSED>73BGK.\$-C;G@JWW#*OZL(E@-/O40>L(7Y9.3?VSTN^ ^NTQ; Z|A
MXW|T\$UKA3R0PYH43EZ+H2ZBOLW|/WQ%?7=8.4HQO!-?7K3N\$G MS M
B.->4%.ZR4HQU;9|2L/ PWBM16D;FL|HQA7%#P*>X&2|R!A3*Z5S;@5876
M0|S&@=|A+Q"=|UH&|U'LR>#HNDJ#P/Y#_1.314X5.ID\ESITRDU8DYY.19
M6Q.NT63G5#;4:EYWBW4O_8," P:'FVJF*M"Y X2?>!:DYNE|_H;&)-#: M-+R"UK:L=_@9&XZ|*?
&I&8^H (SK4DY+?H'|XD82L;@47X1_03&NP5_|;2P M->NG'%IA.&UZYSZR^SH9H
(;7&'3H;S'(Y0SA/OZCX EXG;&=2EGTXW;|T M;-DC+|HJOEW|L-\$P(.1GYTD1%TV7>Q"!3#\$6
PTF(&H8 \$Q8OG.E-UYF?009M' M/ZG.6^=;Y>>|/8*?)@SD^W;M|;=Q<|NW#1-3J8^U 0.)GD.>E.>
(|/4|=YH M!79&E0P|F,RW@REO3AU@_8W5'%2;>XH<0D-X22EB09.4+^|Q|SM|WG.|Y|Q|?O>|O^>Y
M?ZP'9M9ZYHKSC">,><<|PC4A|JR_|@DVU340%:COV1>|/14?YQZ9|I=MQ MTW; <"S5-
O6@Z|F^K|/9Z8P, _FF|5Q,J|& A+|&Z%ZX;OK|_#E%YLV03F|SS9GV)Q|L;\$T|?
*1H9.CAYPI(MQCJ7.I;^7+ MK2+K /Q1BQ#|!#2;|S"M\$U;TW+<6&BY24Y2Z="&A ;E"|T|JM(5UR??-
V/P, M7:~MV"4|Z9.\$;.<). '!.YI++++@S/(X*PPJ"VZ9-UCHK#JC3X_LZA|&|F!KI(BV1WO?TT@+?!D
<5PUY(A&T!>:~GVGX|G;Z9%W(?Y MFGB_9!|=W8P#9X"i90M0'=:02!PX%RG+ZMW5
3KB7F%'Y>*QLOLV@|.WWIH7 MZM3I
Z6C.YE(6D+|*|ET7<"2|K:0^Z*OTM">E_|7/+VKMX_E\$2D<#SR@%FS' MPP*TA0"N4:E
50/=Q@.O>M=RDY(U?"#%EQ?00;G002)T) ^ ^FP@.J)*?/<.IA M0YZM5O)?*|W\$S"| %BXC6/UC9L9
SN|4@;+@VL\$ \$W|H|9A=|S|@T;GJ.I MS(+>(VQ(-5X9=#1>U;Y4R'FC+F TYO_ =E|1 9!BBKP"='@?
UCD5ES:%2|QU' MISQ|_1..XY)'|O! |E9M930;95X%A!@|_|= _HV#SQ>2)UL"Y9J\$?|Z&%K!|16
M:H.SHOV7,RN|O-R@8=K7"UKI8-#NV
M=R;MQ8H|I*3|M|GV;Q3>GHQ2J|G!|#DRN>#CH(7C9A%661FQ"AM# H>+F7M|
MC=IR",YPVX7734+'R=0\$)SN>:91C=QQS3SG(= ^ =4XHUFQFG;^*/R6(|HSD9
M:.'""W|PC=';\$X=_|L'#B#UL"&D "8BP(1MT|60)\$|:ODN&C<>1<|GP*[0@L#)/MAM0X5&B;168?
+11O|DW*\$S\$|L_52#/RH)4E<@69!)G="7B'PQ"2&DU3\$'NF M|)3Q&)91OYH|S|N)#1W-
T^K&T934L4%#;.=A68^"P50.!!L^Y_2GI>.,Q9SL MS|X?*RI+(O?
=O;C<(A=H>EU13_8)9.G|V=|OM6YI3HZA9=\$_JP, ^_7#0)-| \$9HT+#ZD|561 M@
M|D+|N;.>R'Q.8IXT&+>E!+%(U ME+M"J52?9NP N9>#>+>@|<|5G T3.O&7SVC MI>,K6X/L%Z=C->
|!#7550X!H)\$Y<4\,?ARO-QWH_*33<1J<8+ MOV| TM|9Q&4VY&SS9HS9*|PHE|WPV%|D6,KBF9?
S49^#?KP;ROE#MKE@I%\$ M>ZR8\$UQ44W?_4'R;QG-\$|)0+-1S 'HXEG:C.W.G?0^!W-
CAS+KZ+;|8>N MG%8HYWV5.?TIY0G/N|R.SY_,|T8BVQ(KT|4LU\$G_QVB_?<\$HOKJ!WO)TW
MBGX+>1 XF^M3?|XMGWWRSR0|;=Q_85%)R_#X'408/Q_.*+G-G=M;2UPOCD7
MQ=J#9Y:N&8%7"0CY)N;|Y6T)><*PF0Y'N|*YI04_%K#?OHA1\$>03SJCK8H* M4V
3WGU_KPI\$ZS42<)|1C Q3L,F9R+=&" W'B1X|J5&.=H&\$|W=FR@62"i' MJ|I4P1=&H-5F.L?
S062S2I^#M_Q;F"02<4S\$59S)XL#;IT9LR\$MM-\$=W|_6V MFK
A)5#PHSJ@;V=AGD"58)N|Z>=AE&C>;.%XM9.P| \$XA+9WU&|I#7(+30FR MPXW>|HF|?
70H'J%@EJF;.>2/P4T93%UMJ;&L|!%?|T:R"J=U.)J^_V.D S-T-YBE5Z(R<7W!;6HY|P\$>
MX+E)@R^"PLS#O9ZYY-FE)6FOLQ&+,E&\$SE^*@J0*NCLZR|O|ERZUUC_8<#F0
MGI_TZQ3S2P6GUYXT+C,%|3|MIAS^3L=&9#A9)%4F|JU/E27=|IG,W|/|>(H|M#2W
AV_0Q'\$%>|Z|8DOK'='^#!%M+;=" _CV?;#YL+HKB|UF-/LNM &;N+P^ M)GEA49#87'NO|YG9?
\$;=. 'Z8L_ |7C>W\$2O-(N_J6#+.(#"YW75_ =NETPQT(M0<8V9V,HNEV; ^FCX1&?=@-
+0E# "WO*GD6!;VUH2AYT/'"3#A'6@%Q^'3A8Q. MS0G_7XW|_|>|HWUM7GV<|G)*GRZSKDPJ|^|I=?
MFF|_H^5^VF"?J1H)!;H' M9MWL?LX|Q_ =V+!@<)|S#Y500G\$XV4V9_@;,\$ ^%,8,4RH;
(%P|;JY)S|USOV8|T MJFV@ZCM&SYFBZ?U?*T^+03JOY;86_ (^RDR?M7F2K/%B=+T"Z
MM9\$%HVU+),|E#OQ*U>7XT!NN18:9TAT?IWQJ7_@2Q+ "V+|6/BCN0|CNW,F*G%=#C-UYPKG&O!
(|F^7QF_ M5.#&EQ8F&%*8|_SRR(-P>R.|Z>*7 <@KXD0'(O/4(4&%U1_? \$1%L2|W'CC@* M1D)GX\$5-
3!%HHT5AXE#K*#EHCERYE^ S_Y_|K,YW6NHL,2W+H&ND)DFJ\$|VNB
MW|_G;| "25*2G9Z|AB:6986J94&+UF??E;4R2;NX-+*7+|SGJ;7TLDD;^QG
MV6DT8">\$YQ>DR2#VW;TDHWATE|Y|NHGL8"G";Z*|L&^PP0 M0-05^0&
L_W7D|H14M|CH?"*=\$<(YZ&+X M\$1WP@Q|:*)-1|VEG>A=|:T5 M|XWN?
+*>|+BMIF\$6_ =JU#=\$G8KP6*\$BI@36 ZO|-/2M:|J.R2/NRT;|38N! M'WNC4Z6GH%NI.226^I
4.8|=Y|_|@|ARAX5X,UPT!"6.B@W/>45_5KV Z+%2P M|W|F1%;%9|O|P|J;C&!O?|+ \$UCF|UX&
L.19Z)>^WH(Y|L;G=F&OF; MCZX//OH0>G+WO|=#I1.2)JK_#I4&2?Y MZ 0.2GH>3-ID?0"-^

'W:P",DEGFJ#YP.B6G9?|B|+C0^2L_S^*D)U_(P5'2
MYT6INA8PE(_1COX+2L%U^@0\&X#FYQ*~49CSJ&|A&>DDU"#T'&>)AYU|+P3_XYT
M|+DAF3E.D)";*,N(VY@Y<-#K;JE,#A5NYR@S,%A5\OD8KSO|SP>X;+|7=\$-
BESIZ&U5E5^1"+S,_1FW@_J\$/_M.+?NP)\$C_LO\$QJG9>P"4@|N?5AVP5^
@|*7GRL/'AF&+MV;+|8|!FD|=|Q<MEXT:ZFD006BX&,|3W_..!#P7?
=V_E;A;)/3O6NX_PX&>F#^SP=K_!GLN-1-3
M|=E3_|/D>SO^S_#W<|H#X@#+V|'61@|:WM/P^|+;3L:_O"P.2P4E/81K*;M_MU|0<&^3G"G^Q>-
KT"OE71BNPTS4;4'4R|Z|(|(#(T&SS9;DL+Z3?V0R""KS@_MH1|2H">|!1@73_/0/7:(&9F%;3JD/
MC0QOF_X.G/?O*=XL&*^<50JW|!"6|_D\$?\$M^SL*_Z^S(>33%#;E(MY\$#(JD^5^/GF4?
WRF*X*_RPGJ9/E)B5Z.8Z&T^FL-|T|>;ZT>JM#@YA:E(0+M=RBM.W_4;F-
#Y#|OQ|YE1N|H|>_+|^YV)4G1QPD:77%#I7?Q/ZZ.8BD;K/>:MMLN
\$L4@^9D+V8O1H/JQ2@O|HLH6;L519;H^Y8LO_\$6X=LPIDKN+-"QE\$!C
M/8ML\$T?75.APXFI\$H;%\$OW+&X98DK.KIOVB^1O'NE7?:1\$CUK|M|= \$=MC:0%5#(\$-
N3?"T;|I^/%-BG|V29.M@#VG*7VV1CH>VH*-A/\$QC4.OGG(<%=L+LAU;_M/%"A.2?GR4.Z'GZ2F=H-
+I@H|2X)5AT=.;.Y+Y^.|B)H>;R#C;_*%""V=W|XUZ-)G/7V9!;)8Z!#6>E/*9!(T\$|I#*E.A.6LS+|1%1^
MFG1+W;I2R'.0)SQ@MZ\$Z0K?;41>(T.W%EF.KE^%N9X>M9?-|NBXORM47Z)_M#3FFG4LS"D.?
&'7>BQ+VZ;W?Q.#2|D^|J_C-W|VZ\$68XHQQ>;55>"B|QCLT&7^WB|>H&
MDO'09*5*H^M)6UE6|*T8V7K4\$^JN_Q|Z1U3ROT=LJB9Y?_Q|">/MX/V\$T|MN)\$%&D|5|Q_.4SJ6R7
'>|H|M16N6FD.B#9^|K#>7N0>DYMGV^<^<(WO-%6G3_MKMN3#J6D0@W=6|@F"XF5E12^BT?
9*QCJ;S+=4MA:MAGT'SX_#I#?0;:#^72_MWN6#JFW?
5WMU|VR4B.)W^,S'=ZAHZCDOV=#%XQ|*)T|H#9?G|Z9>C=GI*##6_M(HIWM67Q@H|(#>4_ZML_U-
HI#?TG0|/>5.O+ZLV;|T4P.FW'.A#WNX&%K?AC_M-B1JF49FU;(AJT.R"R+W@4>JG#=8ZDC_)G"+Y
N0"2O'6C_68O(%|CJ<9L_MR_\$?W3'Q|?PX7|P0KB|2;XSQ|EC*FU5W_M;Z;U|YSG|0*2-P|NPWU^\$K|'>9
MY^A.444Z&R&YH#)94F?VU>&BL*%-S^GF-)!O55_|H#@A_|Y=:OSD>TNPMQ%G_M%3%OP2%G(|_?P?
Y=;MY;CU;|/|XL6_|6/\$7PO)@RMUX*GN=*KW_M_|J|T0|C_?PK;%7L>PU|VW\$**"
<|.3K_VRN|YYN^H#P@|H|0!95M|3-O_'ZPI08_M1;VPD2SN+@AKJO++UE|0B|PG&EB?6<+U=?>+1SYJ-
5^_QJf=^<^W5<^UKT#_M|'0*.C|H|E6QD3DU8GH3V<|X9;J1K3;*.8.3)G#P(FE_BR5'?
P=LHL^E&+3X0"EO_MG>|;PFNTYB;U%-7NIS?YP4NX"9QCG&,*5QI6%NF-(|*FV9\$>Q|U%
UZUG'AFVNP0UJ)_8=/(5TME/'DU1;85%^L_|MC|?R|4F|^8>=P7|<_?_U_4OID;|4G48J|)7;_-
T;|JZ|/LG|AQ"T_D_|CK_MR%31S;=9|C5QP_%#SP_=;Z;N;H4S&+T=%RS.AW)PK2#27|?
="?!W7\$_4(9!/9FO*;FCEPXQ69"9P_MUFY,^_&+!M5GCDG*J^8&A9,#OIL6Y)!UNUH<#BFH?
>;7=L#NN@_AKD&G0W'H_M7EOD\$H1OEU97HFOB@_*KS'GJU(M""|<);4TE;4R;/'KNTS'?
6Z;|E:&=T1149D&V.\$M_4-HF>;_99A_?%(>DE,?^_MW>_M56T|JS=CXUQ,?T=+'_'GJ8G-
9K6SWOL0OTD;!=/M|J3V\$DR-H_YI+^5CF_MT^&)68MG|OP|+OA3U(&91
+7|*AD4X3!*9@_29I0=Y%FM4K<*R|E:&R|@1G_MOA)GZC(N,P|3%TAT-
Y|,%8V.1|'J|@;>TO@+|\$Q.7Z#+F**8|.5+JC_9Z&_7^MS\$O5H2ZTI>?A;E?;-D0BT7TN5\$R'Z_|.)L2AV.3)
(ZTV+G^&5Q|Z4B)|J|@_M@QY|F%H+\$E;-69=F'Q=)T"DSD#B#<;\$Z0>L&V&:G:#(>@-;C..W|055'F%
M_1C2WE&R&#E#3JV'/;79'6SO8|!7\$3FE\$3_"JBK\$@?8;_DO!_M.D(D-23|H%_EP6LNB-6/48C/H-
"4J&G#4TLNSD38IY_WIU_CFX34?;\$G.23_M/V+L_POH:FR12JFK89I@^>CF,*P<6@3M-
_EFQ|:DT+F4VD.4SX;X)UGHJSG_MZI-Q85FCGY,%>'=CF|U|8K|5W_KE89542Z&L
^3>FM8|5/HWJR#4PJ7GF._#M;_-
NJ*GV(3'OU_|.66|=;MG|U'ES3BT*O1)MCKB^77H51<^EQH4P'1@;0+DN_M%=N_%P+DKDM!*V|)-
M3|/1;21BRVHP|<)FHK/_W*|_#R&X+?8N&V;CD8T0*DN_MQ3A-5QH/5?VA-4|S4CGNRX
M&=7PN'=>'B6O_NY_-OL\$OQ%NGB6;|=A*3P_#R?<2^M7I4S_MS-"J0_V#U#UMSK,(-,'S'|,2()@#ZZ:~T
LT+,YSP;M^/IN7,A5I9A>|;O_M8<<^|E>1DZAC,A&8UI^7?
F|8ZAV"9I@B5*CWQO!|X#FF%#6|D;0C/PG;J|T@_MMU/C|*Z?4=X)XN_MYL!CH=W_&3M#8D"%E;
T"%T|&8H?4?5_F02_%7L1;<1CK""X071YV#|+DQ=D=|H|M0/17)J|E6?>UFR_ME6/S.
(UDXGB_|8B.E_*2G)1"D|TJ+\$S*?#;F'A9:6L"JPHX3K_WU?
ML1V:~ZEU%GG4|H#=_U;IF=ZWO=B6/LB/7EFFU^@O-L;6-S8D-C9B0T|=BYV"/7KG9GI2_M8?
HDH69I-|9&G'B_>H&X"1;|Z;PBB66OKHB;7<=EA@GKOBXXX3L;Z\$G|!F;_M5QR.P*W-
"A|Q+VK3EG94|VKID92NW7R>OG+F"5;|~|X&YL"_N_0#6"GV|91I_M*RNK2!|Z.72|_|(-
CJ>4G@Z;("3R.)5TF;+2|TH(PP|&>S+_Z>"._P6W_MKYHSS.O;)
V7UK^H25Z|(\$YV<>+>_|'QK30C>AZ)\$%K,A?;FEU#RD%|#SP@DG_MS-3ONM|H>LJUO=|%B??
VXZ\$OF:0V5)SKIR#UJ=L#|=|?_M_6DEZ_NG?
G2G.6.GRQ8C=V33AH""|H+_/71EI#G>|YVRX2Y'291"&3S-I9_MOX|)A,|5U,1RQUZV,%,*<:?
MRO"_VV|8NPOVQ594R3_!DJ|;H_+T|SP8B4_M3\$;>\$W+OJ0?C7^1^N>|_G(%EB@|I;L2\$X9Z|1G\$
)_Z4B:T=O14)G2RV^L13,_M/IV'|?C)|Q|;PWOR#;0+AC|*AK|;_NX.W5@|!;V9(NZ64Z;LS_JAIU;9
M|6@A>E)5W<(NI=_LJ^1PU;<|%"_RQFC0Y|+N|!;A6)-4C5QH|X(@K_M|2MVH*0?
O>|DKKL#F;0AK1Y(\$AX:K6|UXU'/X0&Q&?C&&>&\$?E5V-'^<37_M4D#)5XQ3')W|E>
(1MPSM13AU(@@E/=JR!@6^&DJCJ_FH"OVVJ5)I-!;FQH_M-G'US35ZI=.8;|T;
(K|U*CZL25TKB%Q)'S8_|F5MJ+94THE.9,6@X3'=6'OR
MH33WKK0\$.>/KFNF;MBKDP5(0'8^_3NWCP|?Q)W;_3O'#|VM;+R|6&O|8>M
M.V/YL.'|D;|K&2VBB8|J'/IT>HY|QLW4)+|+I#KK@2"*1_MWG?
0D#/%N\$^R7B@KFB^3SS_K'XJ;LG;36|5RO34+8X,+9|ESA^QRMX7;(F_MC1?
^+;J*K|Q_Y#G*E.#>7G&48K3|2164VHB_S7/!SO;@33:DZGSVSG/4+LX
MDP^|?'@-8WRO%E8I\$_O7*57|R<\$6_*M>#0S1SAA?BP-T_MB;|9;-L2\$AT.!P*;D0SPO_JG6O|
H|Z++A.G^|_#WKB+KZ|OC_M6!4L;C'R|*

<:DGDxLC""Y4,/TN':0RK*HS:TX+_^%J;HLM4,&K(1H*Z@H.D ML<0-
:L=;+W|DT+_Y1'*/X\U)S4=YJ;/8K/%=QBE;:PC1S)-;A(#!=F6)J M1%&"WK,ATL&-
Y#"IPZ01|5YU+#+U;=E25G.IB M7L(JP*|W+K#DR/8I-XC6|W/X<- G4! ME<-
A7@F.K85|N*V^R(RZZ6G-T6VJ-%B?X*-16&HG5,IS*8),)6*_P(O %H|% M)P\$ZF,Z?
&V=S;|F0SXP;+J28|L5PER:UYH46A2|+|P(JDZ>Y3US71N&ZI30 MTD@#PR!\$, \$X|
(\X9W!9RM'R"=1HG|B-!/E7.+?"1IBX PVP(_SH#Q1!>0+D M.3,-
_3_BG>2D0MPD%6H//2ZOFODQY)J(^R(WM6*E<|P#|6\$LD*B^! KN&X^
M0?'KLD6T0L'&L=ES1SU670.JQP:&X6<^A,IHUY|_9YPAN;_X;->|!::108#| M>^*+BGN?F^P>ICO&-
CM(Y^V(O,D0)%REDO9CAI,/5A67='@(0FR,MG|RM;*V
M^7QJK>|3&_*CS)ZBH!;HZUJF:45ZD6>5|+COVS=%?Q74HEXY|.+7T(.'\K M40.=E'3.7FBJ27|TS"Z-
O3XY|C1?V|'.84<22Q0#<+LO-F\$4B\$.KOE% M#SNEZQX;.NTZ>:5/ W&N;:;^.;JNKU)-
F<@87=RXDOIGW\$CY5VR(4\$A|N78|M M(>19)""^N..): "/L A5*DX#T1;/U0N30FN:
8<*+CRXI|)MLW9#-I?2BA M\$|I0B&E"M#C1J@Q4|)L N|MZH3H.GS&S=F>;/QMD/N@T._YEU0-
BB|?U%Q MGU"7D DB|LNZ0Z9<|M:YN|^DOCFK=R|P5_Z5C)0LA6K1F ST>:I8%'X|*3\$C
MUC='C|@|TS39U65|ZE72U:Z.K|JZON4'5A'|S|MY.T>WUGI8R|I?6P(W@-'
M\$<-SK;:;\$!6N|.4+!07UA|RDXM8%?E.S>S.9|&LF&M;|D0E"UN-"H.N"...Z.@|H'8!L4!!8@%K0QI
M\$|X6+^C0/T-G>;3B&*O'P1^LK#4HL\$3\$#_8Q4|JZ)A| %U?"=7.Z5D.W2 O MEV?7D:6O3='TL=Q8-
PW7QW12UD*D"829'V6Z"SJ.KVO-S_+A+KPVQ03Z-H<'W.|F2 Q@SU)>QW?L@#|YC9Y7.%V1:Y
MK+@J+H=Z9>CN|.3-(2N#T|BE8F4WBOGR5@ZE,_2->?" 2&^V|L9)U,I93|P M(HR1=A22/S>;
I//S\$(2EG<9W\$5BNO#;:/%;RD"^N7QG^9="B|;11^M>@8H_? M=,U.Y<|2@D%E(@_5U3H^G-
J(;77NFSE@&%ONT7IZ9,CWPB_IRR)(WC(I9@=K MGYO="L.#(|DN/Y,M""
<8|;>4R5)S"=,U3%_ \$RWM&LJ&)7R|9P!|.?)X|@< M;/Y4^\$>24?' 40+XO+'R2*A6FJ2S8"6QHV9-"B!
M76J=6+LWV8B"LN#00YRY87H?<8I6-\$B/HB%J*UU(-M3UP/G5B8*5Q?"|F3| ME(/79
ZK#>*C\$NDDW_4#>M*1|@,GKBOF'HX)NL"3<>33OC>=|=&W8RJQYM5
M;DD^M#G@X3@VJR+3VZ=OYIS".|."5SM.< 36&#) 5JUZ9=,+JH,,2HX6RC^L M+"Q//Y?
Z3X;:;-07+H7Y?J33 MK7#9H82Q|R).;ZM|0Q|'ZUALZ,F.;:)"4D;(-7C=(->LROT6|V;1C=%7IZ?
J@N|#"E@ M#N1#,2XR.0YD0:P'#YU\$VJE11V!!%MA@3_P+) \$^X.QO"VOLV#SN+3SQ|)E
M8Y&.^S=K W>|B.BI*98SD3;&-&&|M@,2R^0W|6G0NMCN'4F>8%'O@M@.Y D MJK@TX'/PF8V@+|?
E"*<;A55)SZVS(07X|2X:_Q@^0.58VV0Q53?<|NKL#++! M8,4"NJ#DY+P|MKUZ|<9T;J0X2UOS6^(X-
T3S.5@L>6ZK+U:E-X9|9.SK-M'_PL|TF|6W#!;V_#YB6R ML3/KQ@0MSFV|T\$C6W7-K#|OIE=^0##
=M?Q&O)0&RZS4:L|L.4.;0H%JP&KLRVD+V1>%:DOB MUU;L8A|_5|S0|T;:WR6=>8Z!;*"#0QSJ%U
MMO(JQQ&D)J@!->IXZX:>5V." |ESMZC4\$+X#06|_S|W3+R|H&HFX7?JJ9;?2 MP_%/B9A7G!&T
|X("PYW^JmZ4U3NE"FR:X#RW7)GQ|C TY5Z8>31<:_S; M;:)|B|=#N(3JAL&HOA@3?#G*CA3OA=M!
N(!I73UYN78<^XH/%GWXL92HLK M>R|<&U=X65X0.OVW(:)D/0|XO>V(TR,1(G?
|E|Y=OCZ|BGZ3L|XS.@)&Y)+ MJL\$|!14"4J9\$M24NC*I+
(GD&Y.=!L4!9DRILZ)SRL;GH7@XU9JXD8I?AB&
M#/EC3C.|:62FK)1ZPGR42U|G" LKA6=UM)@DHOIZ76RL'=QO_MOS #=C2|8I& M9J?
0WFCF7|50|Y4NS.IC3O?T3|&58,&G%;@7V0@Y4VF7\$XMQ+&Q5=1>VV6-|,|?SS4-:7L^0YQ_5.G?
UE=|FH86M12W7 M&R|C/BCEHFCPRP^P|J TO?6#GLH|1JQ_R1X?&T.N7UFL^_E XVY;|"PYCX4 M62
J3P^V<.<."*E?|^09M_ ^*Z\$.|42RE^4.:03W=K6QULZ@&%@01C M:B"C;:/+
PX0%6Q1|86A!NN^VGRF4BD>|>|+Z.O47WS"C S+2(&ET;"LP2(^
MK6;KXPUHTW0+0HT9)=@|&Z*!|@4MO^B9+R'-@^\$@><(E!#4C\$>(7&KU0|)+Z|M3\$'S<'
|K|84E>>9_-E\$0E^%PO8M-|P4H;RZ=H5 E@;O.NYX37S)|E5.NM|&7O|9 M|LYL44VYL+Y"4NJ
M@PCMT4Z,>.*K A|!1_7^C|&|V|IY^|K|W?W W"|O M@ \$^ALD1Z57>VS6&A%:%37V7|N3;VHU?
LA,*NY7//W&ZS3GR?%-|M|.7;>? M>)=&9.V8)U+W<6P\$|/>%A;G.7_ ^|_9_ZVUSNU!-|PIL.P?
9VP/%|5Z^:#4- MB|E'J:QHJ9L,B(&*N.S|YDWD0:=ZWJmYS*8AU0:P^/8\$%."8@AV3|ZBBJ3N
MCX+23_G422J7*)3*K%WMY-A+4XH3 Y?+J6|D/C3KDH"4BT_! MV""4GO79^06|HB3GKDWXO
W'H7DW"=R06DIOR_DP_|2(H=#)*KLH>82&|)MB|9B8BUQ!7SZGF/P.%ZIGC;@%Q|R M^,P+>S"-
N)^|W|)&P+88@/O*YT3|WX. M3H|^6;?%(%"-9=S>_/&8XW"U<1XFL"\$ODL%|1OL?;\$&/C-7=-
G0W@04*;UP3?(2RPDPWY^6QN_Q*+J_? MK39GT^:C?V2A*QO2L+4(^98*P,M|LA3?83M6R(
M)O%/C2TFL2'34G'@;@|B|/%W1^P^JG|. #.%D'S7(XA04HJ2LYOY<84/69A3&B)O|Y88
MG*=Z<^Y@|H,A_1LBQX"4CPY*6Y8>BJ.TI4J\$>)|LR\$VI03_%MK/ MAH A/Y\$ E&/8FXXC^XU&?
SESA|HHCL<.<>|;|F1+^S^S@2|B"#9&1&N1(-UZ\$ M2'W(AF5HM?OGQQ+K NWT5BP8+" +;D#';|*I+?
AM|.G\$0>SH-3+3 M&OK XL\$2Y&3<\$"C\$)W3LN^<4S9|9)F*4|5&F)GR8
P9RC%G7#TNX#@GEJF6CY12?|B-(|+;Z1 MN@X#KVCE8-D0|4SL;#;LIQBR=@BWWF_I,/L94-
"4_Y0^DP\$'J">PE<-YK%+ MI7#@ \$YSRMFH|&|*N^H7S33|Y4R.CZ+|SF|0EG"K2%Y;2XVTS6;JHA!;4?
<)030!AJ-V_PPS)W|7"KA M,FQ&1/S\$. (U=RP^YG>%_5R%"VX|:W&+IX=-XMC-^<.V_8?
0=)=7(S0K'FMO MK5HSLB.A-ODT|;YGYUGDOJYST>3DJ"OLR8RJP6B2.MS'+5_23W,Z>Z7DD7%
MG^S2^S1/*=F|FX.WB+F\$@)P"U#9';86JXC|/L_9+ZY86G3UW2OS\$|*#4 ^OJ M&_(>N5GB&CJ5?C-
3G<2W+*;J6!1*U@M^Q|. =;".4.E+ALN0_.KA97=J<6: M3|55F);\$+7ZH&H)PE:|_ ^15|%(NOU0
;P88XAJV P53'GGXC/9AG%D=|1&.* M(#ZW6R4/O|Z(WR@&|3<%Y^=KD5**6/|_ ^"7FS(!*UXP0^C?
1,M>EN0R=33 M#=-.V*%DR(8|OT1/KV)#<(2P_8%(7U;8L;WC.Y.|5V>;|1997|;P/Z@L"+X
ML'LK;V&'=\$LZ>CE9LQNM&L7_.Q?)*/N|.4_')'=KMN3=2JH#|P6SF(S@Y+;I^-;YB|CL?PXU>Z
M9'P;0C.FN3,AYMVB8=&IY5H|/3)OF#^_L6K^=Q'7J_!Z5.8S%='MUEW;>2|GZ^V_|D)SSK+|3UE|EGM
M_?N'|R|+\$"ESS-)?DZ|9K U&*|@G/3_-?X&:2_|BB0":8|U8E"K#>AXX1|
M'HB5|U.8%=L(I?!. _QH2I#:_6|?0'4E|CO8|'JD"7\$VN/G@CPWC=\$*" \$?SL
M;AV7QM0FDZ"#VJ5SI2EFMEP+P11|_3&F&"|JF//9)% "7_F|C/LOY8Z5;_++F MG#XKA7G.%AT/:8

)SDKMZ3I(09B'G>V TF6-"X-+JPGG\ZKRNK)O, PK0L?X M\$!|N%PYYN,IRCG:J&\$A?
[95'7NLI:/%K<=@A4UP6>/^RU&SU,QM_/X;ZS6EO M5!93DA:90M\$HN9:H_/A6 M %C4105JO-
QW(L46_0#P9A!"D;OAA?,F.:64B_>KU_R\Z@107(8LQ,II"M*0
ME*5Z>S2)!T@;F#VO2"Q,DPN3WEX9G<5/CI#:)86|+ @!50IHU#J@WHQON4 MF()Z,:?044!+,A-
UEJ<"%J^8"JK)<!)Z5^"/% MD5?*XY3:07VQ=4SH1\|N^|V04X5D6'UK%E.LFHR&^04?(N
M2&58IO.*J*GO:Q_1:B=H05P 9F@3^D1>15#,4:ZI?U7BGHRIOXW),O?Z|BYS
M;|0JVRKM"P:JF&3\$.824|Q+>'!FX/)(YO;|VU9E<(Y+!?!|EZFL4(?XW5'. MML|0H>*!"I_=T-
KDA9MA|DY'?%OE5@?U(C<:*1>U,4QP8E&'.8G3!%M8'S&'
M5|/*^5+L>|!@=>\$:='%*%>%=I3Q&0PINZ&Y630SRT(B4H\|L2@KE2#TJ|82*/B^V6PRBJ*C@B";^W"A"/
+MOH_62W|.)366|UL|5L+807B8X.RY;WPXY@>Z5%S;:4IMZE"R^DO_G:\$=,1;1
M#|)Y'D1>|+^A>WO'-KB^YNK>8?B<;G^V41A3AW&(Z=CF>;P\|C0F\$@V>&GD-MA'EZDXGQ7M>)
<<@HR&3:=8U&M""^3|FA2#N-9)^JXD7/BR#-^ZIM>OZ'Y?E5V81QV=W6XO\$6>,D@ZE00%0@TRS2
Y9^0A=8<YTW7LYL^D=&W=D=MEV:ARUU9H7|P3WVYN3+7MO.2\$%\$5\$41NOPI>^0_*&-|
M\|4|HMKQ|/|"WWXGZJ4YV|D+*|X&V37IG|0+@C9<5P 7!SR(#.>|L%2RCZZ)"W=5 M,=^5^UK?
#+40(^F1_ZO|F=GV%K(O5M<|*BY|M\$1:Z|TO+(|>V@/NXLUF%9YC M0_;"53A=-JN;?
(SO+ZDX5G*R%?8S:0H:A4K"CAK-)N0MK09M+%.|DVKU1<+*MSDD^E;7)50CLKEBB>^? H7>DDV
4^/9NK4K2N).#?2X"<5?:TXUKPX1732UUDT<)00404+\$.)\$)^P TCH8_'%|Y|ZV M|,X F?K8&-
R7KG1MCP.Q@XF|75#%W:%=B2=C,(&LGP3;U8T<3|M+L|X,-+BQ3J20VY6;G>2;JB"
M4Q%/0%K2'QP6%>V>F+U^WNL9%9&2M)U!WE. !7:PI|052-01M=F|TCF2NW@?8 M
&SGIG+K|ONM#*4G^ZAO|PPJL1:!">@%N=/CK|N^IM81@|,MK+FB3O|NW9V M|K>GT|Z|^DPZ(A?
5WUNI@0TI:YM MIH,|X19&=.7SK\$|*A(HCN5"3%&4P5 M?E36DP|&/^!9C_-N/4|?IXRGIE5)
W/KQ'T8N:\$"@?55(P\$N)V?<8@>\$>H|Y MRNA-6YW1@=Z|#AZ|L3+,6EJ|
L^3DK9ROF4*+M4(G=H\$SY|NRP>.|WX:), M\$/N9\$A1|)#6B<@++K)*Z<*7_=/
I5WGWHFK+LO>=EF7 P^J|A&F|XMTL.I MVB*1U,OXO_.,?RCD/P8K_X?RDI/_F4K_)R9J5V-#)-"!@,-X
F"!DB4X;_&2 MH^|*,@4JOZFN%Z>/P)>X;B+|D-5&=:B\$NJI#!;2B^"1Y3|=32S'^8G>62|>Q
MWRK/AHZHA8:XM8Q8)Q.IB*_+6?0>U!, M36|Q=;,6B7(>
|63+UR;PD>VO^LPL|4WLOC'7D)BYQ0=6&SW|XZ\$*\$5J|+!OR
MI+@9%OU^VM=:|=!))+:F20<-9I\$9DD(G_6VTZD?)Y:/>@|1_8UQJ"GYU05.2 M)E@#W2-?
11XE"ULX|NZPOA,WA6/|5+EG|I(VOG2JM6: Y,K9FHG2PZ:&=GN M=R-
MW\$^TY;RC_&Q%=^_+|BQG_P^&O*?OZ;IW?|E_->:Y3%N:7#56,+N|
M>QPF>JM/H/3F1)PB9R!M=|PB0AQ3|AL,G)S_5NBHYNN2>NMX@|N@GO_|T(>*M%E
<@6.Z,PCA#M=HIZ"D|5CTG1|*^QCDZ5OQ&M01SA%%^AL9\$.J|+M!GU3 MC#%P+!@,ML,M?
H%|H@R-|K AB)^@3#2Z&.O&>O@8.2@HE+8S^A;,XD<)!KE/_M|2:*1.#%F5@
J&,%=^9I(1C=&AUFPRIA| MKH=|1E^GB:6/S?W4B)XMYG9.0=\$/72K4_?(UAPTQZ%AM%6M67H
!|G2,*+P8 M+0|HR/U|=TVD_9:/>,4,^&M"QJ/"KKQ8'\$|:BVJ"MVZ^C8C|_MRI#|7R7*_X>
(HW!_9""_8-&?KNY?0,/QW|K6?Q%OEF@#T#0J6(<4'V%#G 6. M&K"5=|D3- M9%;I&|HUF:6?A1D|!|K?
21U<7M-2D+=?RZ M|W)-3)#9TZ|'8BN:02Z?X!|I#%Y 7K5O9_O)@A+|#)L<6&RB M.,
(%MP/ZJ1V3|/|IA0Q;),(4X17?M'V">V4'<%DK;A.JQ%+>#FA.1?L|7%6
MZ\$J'+:&OLR'5K|NQD0I:9T_4?&1:AXEN "C-@2=9 M|ZOV_0_6&0^DDQ|"CXX#@Y6D,M).IFD|4
MKS0+|)Y!FKU AV+|L3^*,SK&5E1V3Z4S09=UHQ#J-9==DB2ZXV>X6U\$(A,X
M|E|+V+Q'.6)'PYJ6NVEQ?A%N:H:OL=(9YW7\$_-P%:CK>C>5G""UP|:0DD;
M+HX(|Q#"GDAI94,H>UCOP\$|,45:-R%0'IJ31'E8.7UU4Z6.U;A^#>:A^5U@M!))HUC
MU9T9G|H/_8.)\$PZ=6S|@L-7.#:C>NWBW^-(#_#_/O?XN+|SW=)|\$1T|_K+U M|PQR*M->|T7|J|N-
KZ:|BWB-8;OG_||Z>,>M|+2|H7I-TGO':M?QQ<|52A|_S4IGD"Y7?:?DT,M2%)|H%PMQ MD07U|ZYV&4?
S&_W0D#?T)YL065\$U.@'R%*,|ITK%"7|HJ5=1G2<*>4B"N(0^1Q-|SWJ693UD?R#WD',&*|P;O-
7|AR=D6|C5*=F3H CH(-M|,7C&D)/5IQP>2YOS"&EJ5>/"M5VX3PJ7&L.#78|%%QD?+P?\$UKRJ#|12FO
M|.^0_VR|T6>55H00L:'OU&=@%ALG5\$@=D#(1T%7^_YR*~@R?8+V-\$^RY+
M+.9T)*=%08^K|M#BXDVZS4O|FSFZ#5M|O|"G)07K-YOOL;2|&*;"W(T/M MW5K"WC 4AAMNG(+
<_LA7Z7/YUX5P7JE;+NPF4DX|*\$.|M/V|!&9Y/%P(>Q(=D5^FLX MY|5,K M,ED";0H\|LX*P|+1MQP>-
!&"Q+27|<.3.!&Y7|B^|_/^:|C>BFM^(@U@P,M M%A&M@PXWGK|V\$7\$9W7%H8=S|2%46%5'-
A@1L:WN#M,>(|RX5N_A?|=XN|B|O M6F^&@>VO)B0V4(|?D5-K+BK6|UK!4OYXP-T@|1UYJFE4|L-
5F|M/%"XX2\$;XFY)TY>P5V!_O\$ OPTJ8F;K5 MR#W |S!"CG|F0PA))5"=P
MISA#A0EAI8_'9SF3)!GM|9RC&JK"@M|JZ5A0T?)5:Y>7|/^2?|XZ|XBQ2XH7| M?N6G@VEKV?%|Z
?/"6A!<0V\T|OHC:6,R0P'TGQ|Q>UUXKJ&;XE7%-8X"A^_FT64QZP96@R/0 CFF## MV63!7C;\$3O(L3-
+G"";ASCO^VD!%D?JU'M^ (PM3ZR*+7@99|Y*^|X3+7_"HD'#BLZF|Y_V;J9S=#'
MM""#SUQ<"J7@30)JAQSS9SK2D5)H/C|4WF1? M'0BZG'\$%?9&ZSMS#AH""M%"& @!VL?QH<68
YU22W7:)X#L,7IOH23"IT"OG M7G&>XA"WSNL1U>2|>U5TEN_*+BF=HRT-9%&(C8)|^B"?R@=LS15-
+AJBP;>X MB;AM>E,PC.E'<*J2K4B&|@L+R286%K0,/GA9+1_NK?180<:)CCH"E6TYJ;>1
M/TZ<|Z25(|B09S>J3J#W%_6N044=B/S@D=D%*L.T|A>H1&O/2BKT.3!_|=W ML,%=\$5K^LSX!
<|Z0;L<4PX|S!'H2_57W)JRPLL3'DEQ:<&WE-F4AU\$|I"2J;1 M;'POS+%W'J#
%|A^%\$+4:C*PKR'1U^X|0T0(_TNU@;CFL>FN+:V&: M|T>RDVY
\$5|&SG>8S6R|D#WLN#N'Q"B/5U9Z5=N""OT|Y9;QM#_F2BH3%:L MX;W<"TW:QOY57-:M1WV%
(_"^K1R."|&\$|XF-OKKQ_|=>3TS|_N;Z;S0 M+H2#X(<5/8?OM97V|FEV|02JWE*|O|1A+8TJ(C_O
8T5ZM#XL?W06,VPY\$U5?&B^T|_V J M>DR!&(-8,?V?I06#.7,?
J:5Q8|HA2LZ%"FL1+YY+C'^/5KQV,@O"SN?Y-GBVPS
M\$F|\$.NW/=|92|0|=HUA+Z.W|&'Q:FWK4MMW&QVC"_JF)Z^8W/DO.OC_'5O_
M>CW)_&|28Z:AOY=;#?GXUZOH#34U=+|J\$ @TO(L@6^QN<2VU_,|20P+,N M_T;"|Y_-PG-

9KG^V_A|K_>OXS=^TU8Q= MG\5K5'ZJ#JHR-VH=V;?;9^JT.+7JFM/9PFLGG4D|ODLW,=U2+X9>|
_|QM+X M9_M_Y78(X|K)X4Y P\$-.X;N,SK%|Z3'EU(N+V;=7=6??V/LTKT*8M4!3"< MTKVBDDRS|
^%":J;\$=\$I?4-L%QWS#Q009 M|Q5R#D#,B%|S?L4"3_Z4A:H,CN GI>V!
HR>N#D(&O\IDN\DZ=>|%T\$K1A|UVB&()3LG(\$,-5G M8J2#|*!R;|
NPZD,F46DVY0|L#.J|/*^ZB7VTTU5ST|K|?Z&3,W2)A=Z26!#;,-)Q9_M*Q+UK(S76B8Z@|H
M=PIOTN8 'QHN;BB0"+V?G&^1\$^C M'IEU_6+:9W|R_ 3-I(G-
|G_6|_""|("3W|ZJ5X;X_U>E+^;YJZ+"=@Y_M5>O@#|W&?WB-4-%*YYC*OU"OE?
HL;|W|)_LN""^+^LASO"?N|<>S76J_>MXP/^RIS_)N|JSOK:#??;\$PL6_\$OLM^Y?
0K_VOUM0"%+X1Y;O_@S2_!/? M&_QGPID/?J^>_+G?B9K&J/R!S/@_4Q+^ ^Z0D_\$E\$ _OL3\$5\$RH46
+G*8;KQS M#QE11M<%ARD#EF|:=|Y|:HT*=_E^N7&QW?M13)MWP)7N&U0.25X?
QKU+DZ>Z^9H=O\$=J%5'<4|_18"ZME|T>|+G|C F,J=POP &FYL5= M84*C;".,;>3KZ\WJ4V/KG|0*
|5BQ2/DXA'0;M#:@.1|_9*H7KJ|E|ZG=\$?P MM=0H\Y|'J\$|;XL\AYA#.ICH_-&3Q
M.=G;*.4@.RJ/>|:H;|!-,V;8+FP?I%K;D0,<.8_N_V@O;LYCS" MRW\FUY|S7N1-
|%IX)O87*F7|.R#M^>V^L="9X3?8WSJF-^9|D58|A(|?DS M7/F_2H>UITROB\$4T|+UR?
(L8(1E\$/ (PW4(G|D5:@4)FVHB.!U^0|=?=|Y_M>7 |G;?|?K/UZMI3= QU@LWR|Y)4|TZ|*CA|XT4|)
|2H9OZR30F8;Q;G6AMHZVF|/V?U4_'3OA0| M)%KDI-%J\$/M=ARX21L5,8
_AX|/R5*).S);#&E:P%_91#(@H4)/1(|N@^ ^*1_M7UO+LBQ_"7Y+T2?;4SKIHA440CU/90;36%E9;6*
DX!Q_#|H9IK T|K%_S M|G\$X"X"V1-6*(ZSC_<4IU|+*.X#<"|C0Q6(4F>|POI4S102B)|_Y UD|P0S
MI?CIUT90.7!\$K\#/N/4T)T*#G&N%OTO|YV !K|'<./NUX=J^|JB@^\$;9<*JMO2@R3/L*!2.P M.-BV-
#)B%Y*8-PL.=OVJH4-HGJ4+"O#%-PX0-S)XEG(@)4U|X_&-I7^(W*9 MY/PX11'AIA+ULTUSGV&(M#
_YWY(XRT(W@8780)(Z7J2| ^V'A#3-XBR=H M|CA3C_U9&SRRD#86(JU>-7|@VKWC?4?
U/^JO4;|IOWBH=KN0QYD4^UT(#|/2 MABIW(6|*@7,8|J|%+V70)_4F%AE"3*Y<" +3>5UO|J+_"GH?
Z:@ M*#3C#1RPMI^O(%GUV800+8#9+(;22_03_Z#C-1&|AWQ3|QV\$ZJ;:@%#%G/6!Q M:&
(ZM*GM&7%;|<(S.)5BYO/LC=9JWF5*;?DBM-1.6)>20+2&|0A
MZR1N^U2(Y@VU5^BW.)|KN9*1PV|MDXV_82(T40;L)|NJ-"|CK/J=*(0TV%7@Y M#T@|59PCQYC8_+V?
9W|G=&A2 M:1|P|>|H|SZ7X|/H|C&)-C?KY7T3."SH;^KL0|H2=0I0(DIUB/PCG0^Q"
MR*?;MRWSWRP,1ZV((|LWQ3RQ_Z|D-TF^5"Q;8>X|5M10>_%D3JO_\$_6E.G M_ ^Q8|>_N1SQ*5^Y<-
WUW6XWM/9J=2?_\$8-Y!4;A"R\XHBC Y;BRJW"U<;|R M0N3P4,TUXSH._ _|W>-B_4R?9^\$
YXE9DOE7#&U)|Y+Z+QZRG;>2&140^ MTZW|OPTL_3|MZ"T.14&E|_#VR1K0;L>?
Q0Q|\$ZK(ZQ6CNJETXF1IAG;". MRT@9FGG^_0Q_*^)|WS/0C/-/\$0Y+|3T.<*:OAU=J>0\$1*?"SG4E^?C-
_|_RM|H4|_#_8+6'_I|FA7|_9V^O7)T;|!"?%"0PC|4L6L1|J|D;Q MV=3U>+|ZM"^AXU"VQ,*|
|!E\$<2|;YO_A\$*:0H_W=SP?U_?_2GH_S%|E;_
MA|Q|N6Y|J#.A>C52F5&1J8P916C25,O\$48|O9LRUG^| |_*HX51^N%M>WK8WW
M'|J)+3C%4P*T^_9W&F>+6+-RR?+3E!|G2R|/?A/I-^?"J9WDX|H|&+E\$L^0XL84.L=YV 5CTVXL#
M%F|I-S1TA,%;#*-N/LM)HVKIRJR7>KIJ-T+7S|>9M+#+=)FGP#B)D+\$+ (=Z&
M2QD|DL=9/TGE5Q=/?C|)=DXU1X_@_'MY|_H^FB<10 NQ*|:PV45TX>&0 <-
J%|S;H<_3|^YQ4|M"2@F9!PQJ&==O25 MD.1=B/ # (B\$3YA?"X|^KE/9Y8>;7?>
TON@T|KO8H#VCF_|;9?>: ?IY|?QK MB\$=L_ ^V(U0@DS =@/EF|JSXTJ5|D484;X|V;GH(X)R&-
%M9"G!@MM MVA,6I9&=? _<.@E>|7.OV1ZSVGI0"4H7,1|D;_Q"XEA!9^HH.1865H^(Q|GQ M3-
>T0G5/;\$F-O2H(#0WP%5O)SR&3+K>>QMQ_?>'JAX+%9J"#H3.9^%V;P|
M9RFE0UBI&W8|_9Z|LW7?X4*(+|B'@<'_ NKDS|_JR@|57KPTN+PS?W&2(|,F
M7%UAYQXZ2&#>BCH)C&UEP+QA60P)R@=,V=O;WJ>JR;UZ|I>?7#Q5,P%0@B%Y
M;TNOL6<09X6!"*H9;_3D4OW!\$" _;&7>-6T,E,&Z8T9_S&OP_|L;|V8W#X=6 MK?F0I6|
U+K97U#"06|HFFP**Z^RP*5HS?7E2DT|H|LS9HQ"VO8&H+M15-)
MXOB\$S\$IM"2I*N;^U"VD)*|U1Z*)SS_8|;6&:DSS|BXU*BF>>PIWR-024B0W=*
M4'L8HXRIN63|C3V4L(%EOM>E>9>E,"FM+K5>.4ZT1I600#E'3-/SO5Y+K0=|
MLV+P5X>P)H|LU07"4(ZZ-9/XF;*\$|T^),J0|?>BC90Z6G)_&2O7+| MMY|)/"UQ%&;S6>X^=|&J^
QH M%U6^V)S(@W)'*Y1=Q",*).VXZKA>W0B!BO:\$4"*H/=VL+CVA*Y%Z MPOWNY"
M|_>+|;IN0*#DV^Z4ZF7%&U=Z3QO|1Z^G22#UP\$B@GL%_LOP@8|UNP2FIY MU+L'X?
G^ ^X|PF;09@6-/4@ZGD|T=AOU&AE5S3;\$E4%'&(H&\$KBI&P.Z;1(M.2=|#^|,FPHC<(G*G?
DM>'9(X_E_>J6|9T-|*8&3O!<0(+|D2=#46O*D|Z M/_CT"2+CHS|!;S9(LP_4W#-
DL0WW9V80_2"CKOBJ!PI*3,|@&V#X==JCS#X M#^|DF0@BG;KV@>KV27)*4|_|15!-;T:>
<RV4DHIT=:BM8KXZ/EZXF|X@H>; M"P2|_|1YBR|S@';P,U-Q/QA|HP>#OF0=|J3-
FUJ4XU2M|JG2T|B19|6G=#V. M/4%,<-!A7X| #YR?O?|2R&KH, ^Z4C= W*%<%Q)-(2|"1M2
|6Z?;2H(G&L;JK MC5;1U79QIQ;|L.^KL9QQ-7,<5G+V@A?" &>=)#3_ =SBHH;HN2&P+2S?
#H>E9;KL7UO|BH2_RBK>RRDFEK MU'U132;'YJ&J(DP;F\$7TN0|'"09<((OQ-QH+R(9.>HR#K-|>|+-O
-X 1) MI7"B=^/=V4;'R\W;*:|F@MF_ZJD25Z&WBXQ_#R;Q6'G#V\$4>QOGLZ%E3%D|6&)|Y4^O@W"1|
MP*F1(CWL-N46G%KL'R&5WUSYUO=E:VN<0;ZK.^115=KH_-Z^>AWP5SW*/5P| M:6AO. <8-
8QIP6PHDC|L_@R-MLL_HK4+V./K^?3J/ES%@(TTO>H!P"=DV M5\$6?;|XN_"@8%DB"|J-JHGG")19?
&'T|:=<:|N0O5."LL|.WSC-9&:#U,F|ZD)C"XMFBZB) A>"MZ(X|S;CTP/\$C72"OJ J6UQKD^S%=\$^9Q=
M^VW""3XY@6W\$T^,(R\$6)A/Y&\$|LL"!A">:Z'QDJF1*KS;BUIMA MDP-
ID,D|4+7WP@FES*|,NR4<\$*P\$/Q)/#::B8\$ M_U9'M|H(|5Z29N-AQ'=9^&=B/1GZ(@=E6CR%M;)
<9HW+<8!_9DX\$R!.=+|LJ)|8L,>(W\$'/ M_1T&8C>
|S\$KM3/K0+O1+T|K|H|\$ZMR1M;RM|5E&F_8+_BF4D|BAIGZ(+?ZN9M M(D)
(.GQ+GR_WOW|4_-&%)9PF8D=R7%E/QEQWG>)O7<%R;|7R(8'W'6@&Q_10
M6E|5B#&SX/H,L_/M|S;URMPLL|P?9SX9U3X15QIL^_L;2J9)SN^WEY^|+N
MX\$'(_=@|FDK8R88%V4GM0CQW|F+|ZKD17_G4';<|06NCNC-6#0WOTI/5>!K M;6OV>E^Z8U52S

!0+?HJ&\$ED>XSO:R@.7DUN14N"08/&8T+ M(GSMIB?7;--?/M8?I#/)J&9+1%Y:"TCS
TF@M)\$ZH**Q"A"*EK"/H)Z#NP M??WILQG|N|IM|2G-|!::
|UA*|8|GD:;CHF9*W/2O.XDFTD@3T)6):&*H&1,I MT)>8J3JPX\$57
L*J<&I%58:P4T|9S=#94Y5|0CFF+Y|5V3GMM/"D/^,D69J M\$ADZ'T;5FKUR&(3U>:),,PI/_&'I?
E2HOVBWY_|+=CU8L_&S\$D?Y>M8H\$> M%"_J 9:~B9M!*C174(>B>IK"?LMQ=5X?>A>8<6^0TW&
(I3MUT2DV^\$J:N/D M!(GCFJ!LX>\$LR(,=P |FMOYFHQT9LV^@!\$2)MN;|H#SCWE:;UYV4MRZ-J9X
MJ%_AY/IHU9/9/G1K|J'"++72+B0^;1?BL^3>|PQ>V:G&"45T"M(67JH*D@P MR&_R_+2E_4S*
|_V|DTJP@ZE+9CA|_|.%;-)Y|W%W_+8E=KZD T?Z)/\$S:N@ M@@%)|K87Y";=|/5UW2;-^M1+?
M%EB2)CZ"";#*Y5P&HE\$-:\$ MZ#6>7):~K;A/8=3BI%8N9?;MC0G*G|W=|_Z6DZ+E|EF;/C_~AF-
+A;NJ- M@|J8OA!0=3P%YE6?ZHSA-S9:T4F9M HA#L|F7YF2GPFNN|N>\$J(MJ-1ID;E@
MFX^8N+|^N+^S5ROZ%T(I3C2"!A.V(5X|T+8D"KQ> "Q:/&>\$^Y/U?|6|, + M^/J%86|9A?
>W795=7X>H:M8H?38KYL\$(P/S@L6@Q>@@Y*XC 8Z*-B|J|M1GG MW9Z.7_!)K<*|JV1L,D+R1(?
SK=,LOWH;2?.R?N6PC.CQ7X'R,K N9BV%::AK MU.UF9HE |F>IWA(39+>|BY>_E#1-Q8I""C7U|P9+
|L60^G2|5>5|FHGKUEYE7%@+3S:RFW9R\$HK|2\$U*HME|I%/_B0FF'Z+.5(I MC\$%XTVR|;|\$5PH(1-
1|8COV5>3M?1DA6|I.R?;^|N3E MBU#_H_7FH TEG60U)Z|\$(%Q|\$S\$O|N+@;Y_*2/E;|MR4Z7=K1V0O*
FRU.Y M\$J**QYS8|^U5Z' GS/E2?2CV>*PX,ABL;(&>@THXNFE|2TY6_@%T=|B&SNZ
M/#=2|18O&1Y.F^LHO&G1%QGL|3/^0OR= +C?>?V;+R!_OFQ\$A0"7N0)1>Y>0
MJ.XF\$|/\$2E'ZJ&IS9LFTVVOA>\$C'H44+3:~X(6)(X|_# M;(-8<>/COBL8;60B+|^X:N-?
+8.MR6N%+DJMH_?|I(F9Z>O^"UFO(N)DJ/ M|_#292-(-@1"Z3"Q-%!SH-IDSJ??,>=|3
DS9H94^#>;&3RF?)R|&|DD(NDB M>67@D.JJ2>NVQS^;H M+X?UVW->0/M|++QQLVU-
R^W)3A85=PHJ<1_QN;=:Z/(7AH.I2W=R|HMT6& M#PE_4TD<;#JH#PS.
=K5JR)DI0MA/2?C1\$7KX|X&|F/X TH!'U#9A<
MA0QAPD8*VGM|KMWCSCAQ%|*"X0&R|/CHV*=W7:KFEP/?H:?'A")Y9Y M+9?OU)@H?
(8W""|EG&D&GY>%.@RZ(C;8@#<>0;M=+=+1VS|;6G.VI#0#|/ZQ MTNR7E_^9<.8S/|;V^8X%.D(B
P9 G,@RN>-)'E Q1>0V@RR=W5)^KE3Z|M|XE.RI=A\$;R3AV44E,Z,OJBRBW3&P|_#!+KP.#%K;
|M"TW'M#D/\$_00R_Z7 M4WN,JA Y\$A5Q-I|_#PX=4@|H;U\$|W/W_GA>D |0,EDQE@HVV7C00:LL"E";Z
MZZ>73_NDM YHE=4)^&M|7_2PNK;6|)RQ)?D3RN!I+\$?C-!EL;)P)THPEBSS5 M
X:2"\$S*G6.\$YC#I250;|+|SXS_R9 3F>((J))58^FR-/GY1U_!OA1|>7S- MR9Y?SF!P?>6:~|/#?
^X;FHO%0XO'OYCE|D:YF1A2*0L|>D8&_R-|<3?MYF+\$WEJ8%Z|^%|\$,M% F>^JORDF 1^J0-5-
ZZ(3AT|F/AVY M2?WJ_CG"@.5K^=Z\$SZ."2>YJ|W3J|9|HN+@Y-O+|CO/YDJXGW_'E,L5&-V6/KZJD'
M'(E#*2&NK^ (|L;0LH %BV5"J|_#;\$9VNF7117BS90,*M%I>UH-B?
B|@D6N'Y|/##;E*/AHJVOY/#);YLV(WRM;G,N(Q8J;|5>I*Q5;9 MB6X57_|).S92OD"_"C8^|1._5)
4SS3>>_9TN=!ME;4|R\$|5Z A&:ZC%Q M@U>%BHMK:@MHQ_#YT) MLA&Q/1%\$3"1#X U*"GF\$6
M>&;?4/FZY'5|S?_*?KYADV|T??I|IO|;5H'T|TD4F UC"F|20FF#^+7GIK& M982|;5|_
_C:DX(>%MFO#54LB,*6&J|X2HM?WYT)@>_FN,K41Z#(>|S&PS&#|HR)GPW18K
MC*BXT/Q&;Y'G9A'-84K|_PDM|MG|!N91 NV"!N(|_OAC?IPYL,GP"VFG4?O MY/5"D#++@ \$#HAXF8B(
+^E'N/;^1#UR?-+=G|/76:~H?"Q8.|B_/(TYA!<= M9BD|7_#=BOJ792SR|/H/_M-
HCLP_46R|'&Z4;3JG'ZM@4;ER;@%|R4NA3LR
M'\$D9_0/QZ#O_;"M|U2R&.LA#NM'%W=LMA>OFDHWYT@N'FOK&MTJ^*9Y
M^T|58(W5B\$C=J.E)ZZ7|>>>S*15T:~B)HQ*+ +N3@6L NQ|J.I(ZB)'& M\$DO=Q).N7MO^E=C(9E?
OD=-|Y'N_JTFT'H7\$LOGN.CX|MG-S|DR.0/|Q4TT
MF6KX&XSX".|HJ|NS_I.219T\$PTE824FOM&A.)XJ>H&V 8LQ9;Z@ME\$S=JY3 M0A)R";Z+^AAA1,A
D4P7)2L%:>YUZ8G+_/W7ZHC;V;|NR|^%H|L,ODK6(B>#JYTY"!M@)/-S\$LOP)^QT|X>K;
R_UZ6Z1|90H@UYXF- M1=>NJ_4.4|?(MGTG1=5C-GG.US)XYBO8G@\$>AQ!O89H&A74ARUY';*#
|S|N<%SB-<('Y?B!_CK M'FZUS_(SV;/5TC8V2H^T"ZOY!K"08ZA-7X8_..=*0|H04UO_-NG6C6>UVYL
MD/V#M570*)Q.TOT=13A E'+|6#NSXN&R%#|4A)S(@V\$TJXF:TKG-7JBI|6 M#*H4J^SP+ -WW+7&
VZ646)_D@_JK|Q>/0DV7 M!;@A(YS>1%UVV7O_.;^A3S;|YE=)"E2.4N?AC IN?W(.WY_~TM8#>Y(Z@D
MXY)7ILZ+JM@Y"*18H-U\$G\$S%;UY=7U5Y\$S"D@|E%WNLJ<#7,PT_7-Z*J-I'
MIX\$/D?"_8HW;LW2^BI5'_O#Z|I'*.?5++J0.%GN*R%2W01=)'X2(I.\$2'VT|3\$H@K=-.? (HV98'4;M4AH
MD"W#P;E 1:)'5GJ/>_6|G9G"KG5=#|C|B6<*"?;ONX8Z""?FTK?-C7Y64#>
M&KAGHNJ|E'DP^+Q7H1&8#-B:X6/_#6J9+;06(MO<_DV*>= GN.JPY&Z^_9; M*HZ;
<*|QIYG^,P;=,HY/KX_%0&"|, BB&S^3KF&0^!B1)EGQR&LDNQB'IW/@
M|A*|AE9*5S|^F"3Y'AVZFY|9L)D3%0_P1;*Y;#J%9_7-UX>RQDO"! 3?N0E,(0\$ M38-
R(X.TG|4N^YG8U4RZ+@ZQRTFY7CPKTRY^1#KTZO@|,(@&|3_FQK6.A=";G|O|T0\XK#XZS5X83.(3
M,\$L-|KZ_J?|/55;>=4E*^> Q|V8E.SNP^I/%4=Z_P|&^6#^?4AHZVQEV|C|67& M;
|V1WW3N=RLO7I2V/@6AG>\$B=29J|Y6|*F;6RD<5'JA:<8>+CJ"F%W9PJ&3
MF0^4|JR'H4(MCP|CBV#Y7V\$M3N/_SVYX'IA%"^T5L0JV|/G4>Q M@*V=%Y|0""
<+VT*.I.Q"@K2"MU_L00IA?)>Z9V:VC^1_75Y:6A|JLWCYK!^G M55MERG+SCN8IGGT;
|PB94#X3M07FNX1C+Q(6S*GQ;5\$P*~V|P,C28-1'PP M)WFF\$ 8HNQ!OZ"JK'H)Y-
C|&12F%Q5=|:G0 MF2GSU5/BHWFM1J;5G9^~V1FZS|!N5L\$%@887&\$A@,\$; M>+MAQ"
+9JU8I8(|SGK&:\$-Z?=E/XV'L|_|L4U0!&;H:Z\$XQ=\$KM>2QPI M*;3Y|;G('VHN8?;NQ&893>
MS@.F*/S; RN7(JT74 T:NM<%XBAN)_W71S_ =1>ZGA|TN\$H?V\$K-9GM &EF M^=H12,!W9T?P !#@
29|4R(N@#:D|'\$Q_+9(MXC4+|^E(-_6ESZ^~^Q_W^SHOX MW/X&F<*Y74@"?&Y*+
|F7/XWHUDZD@#37"Z|SG&G;4QL|OX5B7Q*^!;Y: M>KNBQ|)/|H|H0'MCY@>&EL7< IM91>2:"Q9
+Y_\$>|/I|U2>N=QLF&OV_F>Z M|*D3|R2|))2N=,7FA.)E+&C&=&60V1%|?@ (A&Q\$T194<*D;
(=*R=IT=05!;S M?_8\$=A?2DPI)4|D*YD&!<);2I:TC>)U8PAZ38_XS"|A;#Q# MC))8=K?%H6117@'
MY43FG;|I>B)TT.%^|(1BX|_#ID^~B|/8V:BG=;J_5305|0!;OKUZ,JA>^VN:T M?

63@@PT;/JSN:BI^4ADQXXMY1#B+DN\WEO<7WT"@! 2Y^#+Y_H"J5#NGB-D
MGG2_T9MOU@IEGRT.)K RK:JG\$6T;V/0WL%:%KO[DA>Z1_(6(@B)5P>J)^AF;I
MYM(\$T5HS.&|^!N%TW: !?#!<);8RV\$Y?JP%?>AXAO@.QH0+M"(ZQ\4_4L4Q MD)LF6K8*
D=\$6[CV98]!'??>Y@S:J-4""I2?2GP)&TT<,N9,'*HIW"=|< M Y0@#XO/_;)M^A*"
(_U@|!'!+V2Y9\$TO%:5N6UQPRJ49,%YU<;1RINKIQ*"X MFZ:"@L6BW&GV/&Y6>KKQV0I=0Y(N&!#EQ
9+G-*DV05;,.8G\4(G3.^R*R;L^HNY|=?6H*"6++FQ+%9PP
M.7#5&7+DS4J+);7L_\$#UJHPB""MQLS|!%+4(:!3?PF>),\$.+%;*C%F@Z?0C5S% 'L+
(A;*GY8@!8.?J)POBYSZ5G MO+_)!P9#CBYEI'U?XNEG2 (= /7)2P\$;2HYT2M/+&KJKY0M"6MR-
9NI\$&++V6 M?6J7-; !MRE8-8';/I(2TH-7 @ECQHWX9CML6)I/%" _9B+4W/4L0_4MCW%C
M2WQ(H)R1 ^S^Q6\$Q74%\$R\EIV?JPPI!N91:FI L)BR\$/S%QS,/W MB%TMZ\$J\Z!6M6=Z=XT*P2*G=P
M)L>=XJR?.)SR% ;N_!AW/IM<1K>6A*/NE-5I7;20807P@EQEJQ'C>U"FK%I
MK0^R;)DCKQKW0^O\$5W/EI1I,.*U5*8PX[KJTHCG\MA#R=7-1D:\$!_1DWTUV
MV\$VMUG\$QC!38+_B<@0>^X<(E+GW<|EE0%\$76|GT:F|EC/B8)S3F<J40,S?%C8J*R.32#^SA3
MR|L.*&_5_80\$>)MV)B5J!3X\$%1F&I6|2#U?8*7_HK(P\ZL\J.N\X>IVLOIH
MX6GSD&!3IN.Q^0T*G&%R)2L:%!H/6 !I7%0DLLR"%L2&'@=N93
MTYJ&SU+V21M!%1FZ>1>;K"0NW;\$^:AQG<0',!9))1X:"T'3XZ1=!(D@^@FX
MP).B:6S[V^R:~ KM^4S&25)B(N'3:&
<:)P.0_0J1A@;C%F@;BOI_F2IM119F(O%)^XY)LDOM"%>NU|1\7SO:LF,R MJ:9%3/6^V^O%G?
TX0\WJ-H3Y\^FW?|Q'^BY3X3R8W?\$2WGHS,X L24|I M',>H.6QS M?
5)K.EH0\$4:\$OK7LG)BI%7VHR"Q5J%0DN7YC?_W88?G/I3B/2!(CD**C&" MA!;!..!62A_9AY=
<=7@J;&X8,. 4G:'^F2QM*)H8;+=Y!;N7Y-Z<>5L!L;YR M5%) '24*6@&E?;U|T(F,O: 7:4-Z0-=F(DT|Z
M:W FS-W YW\YO)*@WLO2_J=NK@NF=Q; MA?B'+ PSN!QIH8S^ (L-
VBLYP5C):L(>GRJ_!YF|S_EUESW:>%0P96"NTMK*/ M4I_)VS<_5GTJX>=ST_.W6_6@8GN?3CJE:2?7CJ?
Z/O1MLA_=G;2YQURNV3=4 M^Z>FG%5DSMAMZU'!YW?V<;&|Z%-B!6PG\$N;15#|P;\$6R5P%Y?.<1G:
<8C",M MU>DO2?<[;7G-*]&^C|.14B_LJKZ|. %L4*2O;^7|RXX/8HWC(<9!,H"=Q)5L
MB4MY=P\$S|C@!_PB=Q.0XUF#|@!26+J;(X(9ZER&27GSPL;3'2RK\$?9*!9U'N M@>'R)VPYCZRY1X?
#S|!#A^U"TN>9"B1G:1|TWOF2!2CV.S&X)QY490:<%|NN MJ|\$*+OLIR9QG3>W7G+_ =GT2S!<38|
(U>Y%B%6_" <*LIS9LI3VL;(&QVA|@ MRV^U;=8KO)U.WDR;L|KUL07&_H. 7ZL83US!\$&5G&OCNT.*
U6!Q9Q\$7<>=B=WOVX>>X^|8T@TZ: M/N-5DH.NGPF |Q&X&1+(M@|<_0).P_!0 >45#4^5Y%*-
>KSOT7(!"A4LXXZ^5J_LKY2 MW')@_0?N\$|3YWP_J/BMJKGK11%IQ?|\$|WNISPU/5|GWF^|8@:K(2A
*PF)!+ M/\$ XOHLO_VDY0.|UP7|AL|I^SV#@P1&E8.ZN|*E|9C58;KHB>)8(9\4R9W|V MY" &
FDFZ+Y^O"GS)>XP+N3SQ?&|V7X^?HCKQSD"PM.JQ8@&97|O|_1!9Q.!6 MF@LB|
|0X1HKN&+62J_5Z;N+CURD%4"'|.SOBZ!%&W9A16/B1YE|X|(#9.(\$*UO+FV,|HMCW
M%X4@|0^QQ:P3#6"HGCF&S%D_+GG>WU.^J?;^/8@X9%W<9>DCZ%|0:FW*>2>' M-7-GADB<_?
CC_..B4E|M3*7;V/\$>2DL83H_)PB|E.9W#L0OM/1Z0"PRO?P,X M<8;K 96?
4)*MJ46R+QS;1F0N%;B/5G#>L=XTE7,\$=B\$, M'5^ZB-4001"^U07#8;C<00W+X"K|6@?WSUV-
LDWYJ<7%EY|KGNFY\$K|!"!RP MH;X>BP005Y\$#4@5;-PG89+E5'H:AV ME#
|!\$&.M0H3M8&/%>KSX00=J'G8L@OXJ)F(2>GEO;WE.WTC.T9(>N+D_>U|7 M3P=WN>O)"-
U|S76+GJ^G7ECK? M X_RPQ%QHJ_U0.C05R|3!("R|OPDK&\$'F MZ_*CB&.G/L"-7*>+?
4L;I8*/GHJN\$35|J12WW*67C1%CVA)4_P=GS?KR5 ME61|!(CJ7T |J-
EO!S_3".RT_.#5V/<4ZILVQ780#QZWK|VR"QE09;R\$?0^" M"^Q"@.R_:%!C@:V3..9TO9UJ%) ?+@3:R|?
LZ0\$Z#YH@"SE*(R|3AQ@+Q|XE M|N<@<X2*|+KFZ.)<2Z|\$E=|4Z*A;.,E|@HBP;7N-A)6YN|S-
FS;S|OV-5JP MGS|8F?(7!89_6&O^!;HISL|VYK;EH-G4X6K_HQI#.(153 N(M;
|U+Q|Y70%@.XWU*SYO>|H06OT7R@HOF!G;|>7WA\$-U*WFO;V7L|D)88%P
MU.|>=/'_EKRG^9(K5E8NH><='+=RE&) M4_J9)&TH:W@H!PF LC#00_.@Z\$_9L
3VMF1_**C8T)/(I&.6Q_ND^J2-| MMO@A"R.R/6XS_2/94JFGDP'E01XC=TN|9X<&^9(JA):WU7QDE?
NIXKUGAAIS|Z;"Q30:./Q:P%KDB,>(X/W)4MOOUC:ZLJ7ZG(_ M."O=MV;-
+4\$|/I79\$JYLI/SKE+H_K8|^3Y,M0C|#:D#R@+GB(D)V\XX=#Q# M#\$BL?9/(AR&|\$(Z7
5W*X_1|*|2|/5>IK|K\$#-1%C#8_M%?O2!:%XM^| ^8D|UT)QG"7UH M:|EC75XV^MCPLLG)*OC0,?
E4N+4S-3)E+>VRR,&Z&_6W*LK;5JRG|S6U_MF_O%|^P*^PU2J,CN0QFA&4PO_8M'@YH8NE |M1X'-
&+D_L2;,:)OD|T-|5I>U*6="5%-O1 ;PKU3OZ;#A!;=PUX2V,=X M!3!FCZ!;Q+(?|6Q%"|!\$Q G*:BJ/_;
>L234FG?AQIZ)|X7Z1S*_|;J; M)OM,F"\$)H|KN0DJO@NA=2\$+0KPTIM8_@OQ84|OT*D21:U_.5
/Q6PG,(>/F; M67O!F;YH8O3|_@M1DCW;%\$+"V!/%_E&W.K3662*OG/7V(JF&= K3>'\$C^ ^E
M!TT@|2L1%;BM.Q|V%0CU-V,=V|PJF?6\$VW/*(H|Q5R.OX'E7O^H<|Y,|
M>WM%D%*O%P=@>TTD\$%|A0\$C'TPPI&=B/!2NY >KUA1FRW\#;U_6;/GY8,' M
1K^_CK:0FJ73WQHJ9%XWD'7);:9XQ/E""^/-\$ Q_ ^!|_F)9/N;6R:4I9P4.&(J;73!5%V M8AKD6WJ6\$&H;
YR!SBN:MX,%%\$| #V 3?;\$3G|7GPU?S_)6NV\$&|Y#S0U@@L*W|A07F,/*;<-ERU >N M7?*JLT^_
,P.7JN|RON"3D\XP,DIL^ ^6%"UK2(X3,D^ ^!TY><|Y!XXP>&=L"YP:AK;I<^|CE I
M0: ^!>W|X|L)2<76"7.QH3Z|*%LNB6OL;:>B"M MC+OFF|I^=S#46#:\$1%/|GM
DYE^F_)C^NXVKX80"FU^6|MF6\$?)@"6&-F% M-(WO2#LS70"ZXJ|M=!#D.*5^8 L+N(|!%>T!Q_Z2I-
%5WRL+HG\$80=^I%K3\$ M+J2_N6UF'6D;X2MMFHL|J&Q2RG9_V|_3"DC-C3D@|(^>_Z1'0P;)Z-P1U.
MPH:(>NN1|TH&G=QT|AN14=P9(4 FB&1!)8;/_9_9+Q5|)?G32D_CS"= _10: M>.|NQ+|^G4|U#P8T,^0
GR20T@830#FL,V:O)!.DSY@M*^\$SQB|HJFHM=M MC/F?%J4D02X MRHC|B/O|JWPYM_?^4.EJ?
%|"+.M6C+2_M= QN# (,.)ZE4=Z!K.EB/6&>YQ8&%*K_V% ^M4%Z)|2V=|RTVNYKVV:%!;;
M5SWUQ|HK_GG|>?VWOD17"S MV)C \$.6F!Q840<25*Y<+16>U" M^,R!+49,D1(33=D))
^HXR"V85Q^J.?Z343*SFKIA&?HO_X?*[J^P !AFQ7!
M!#1V870B|/S@+D11?N7@WY|\$O6M@C*,MT_&|JUDTH/(W0\$<=WW4+A1D#U>> MW).R-

:0&P'XU"BEFTX69C=04'Q>'NIF<3ZU88K:&-\$AH.7# F;*50DEWK7VU M>?
S12Q.9U9>GZ97'63,@QRL!0Q1-3L<7*GW)G7!;3>(W'AP?39XZ^%QQ
M^1EFW9HF_2V*\$/NS@FXA15BX2=68UR*W"!\$12XL.W!&)9S!QZ^"/(SE76"V MNQ 77?
OMO5G+MXZ+KD*!9@ ^B,7V9Z^SXXA@AYPH!_?A12KIL(LR/@V1^G M!;|>_.L:9!1-10;7"/E-
3QD28RPMK;S@K*@AM^G9)%@@85&UO!Y_1D9 M+N.23@FQ;TRG246+K^<[Y8
AMATYSZTJ"8MY5H7^/E;W+E!X-KF"!9NWT M;T300BQ006B#.X*JG&8/B-
L"SY>853&H#XO\$/Y6>MV%ZTJOU4A?#; MMP_4M.M4KWRK(9Z-
_VCX>T%H=DGHFF/T=;!@N@U0;PHVT!1=Z4>9U!)#0@OK MV:W A"^XRQX>-
#P:B6Y^SW>E8KW=*L^BFID@6'1\X#H).TG^>_JZ%?G!5E:
MR!J!;V^0Y*!;H@>#RO/8'.29;&IAHJ;8!^'2,%!O%5SS2GZB!U)C26OT MBK4!^=7UDK889!95?*<5>0ZH8'-TXSH@J_%T(^6)>A\ZFE"LSNHM7KULI
MJ!3!SX9.98B%_!\$!7RVXA&Q\$%BZF/K:RF"M+2!A)
MV+;E:E%!Z&9Z\$;T0+TT\$MDT&1*>)0)RVCZ;L:B^3WPF+G;6>ERAYVS,>\$!-MQ@\$+35/-8!4"
IH^QIECB(R@OS\$!G!<:"!M:!.EYZ2E)0!619'3*C.YR22^9; M;@ ^N57\$ETR!ZB^JC>
(MU^HCL>_(E@/L)*4NO!JU6 M-OL?0 7\T4 =,H!_ ^ZD7(LCWVZ9I^H"S6'68;^1/*ZIO9!["EV.CUT;'V 34
M+8QR+ "\$TL330GL&JA^*UOL#00D"5B.\$1E!KJE9M/ 8G/B^H!BW0N!JO_1WO?
M&=74UIT9!46D=VE&BB BH-(4D*A(\$Q 0 0\$A*IV(41\$)\$A(%Z4U B<(/(M)4 M2@0"44H"A")-
H0@A"0JJ")4JZF_.!KS6SUKSS86;6FOGT?MA?/KKGW'O/ M/?O9SW///7L!L&Y\$Q?6XH;R+Z!-TT(8N"
[C5=+(TY<0LDAW1!R1\$?YKC%,@ET>#SG MF%&^ ^#8;N#&R!<88R=(S>TM#.Q5J88\$PV#ZEJ
MNA7!/\$C>G^S',OGX)HZ(Z:6VBZ!QR%*-DZSH!N_:E!^W R;U&T/7Z!7?'Q M'D34!Q!QK90!0)"X^?
9MD;R'UV5S75D(\$%?W)5&/:; M!O>&YN2VD3YA*?\$C/P'3*5RS4KVNZU,Y_!
/C/XY@SLIFK>P15V!M@V M.:X!0#-=LS(W>-(3%0"+IB?APD)OH6"99°F3+FL1 A>OR2+K>7D5!Y:!/2!
M?L#5_3BB9-12BAX0?Y'UV.17V;Z#&42<&AE^08%2!Y*!D__5I32%!)IC-E M.2&,"NP/CN+!J!J.7DP:"
<|H^2W3M3D)FO!@21Z?M5\$!P'+;F" MC1+=9Z4!I5'>K'E\$==>=19
!6%_+4UAAX;KT!\$F%%"_JYV54!^CR3DK J>_5 M8Q<--",W^F
JGS!;'=9.;Z)YP<"J;%B69&EW(-6M50.1=?!XQH,JG# G^!W MX7)S!/
R^FH8CSAGT9FPC;ESNF7ON"LS&G&!/W8>8#!>2A1XSC3@R&(!(. *6 M"D@!(('!^* \$EPSP-
)#"MR/F;Y%FAKOT',4ZC*W,Q=UUI@R9_JBD*+8W)YSQT M',,/Y>URWS%G!|R_B71NY7/GQ,10_V
&B.)>\$B!WWL&6.0!5;Z@C7AP_.Z, MF.VRB98.<3#Z31);JAX6 WO1JOGTQ<?|O\$=0:=UO?
^15,\$S!@=?>KI""U+T M*R-
+9@&KGFJL.C)9PVJ^LN)L7Y>JAX!@P*V83V@&&M(&_RN#4D/3)")YS>PM4;\$!7
MX\$EN0FFVXRSHARY>[!2HFI1\$BS-P/VE)F8_C,UL@O0RW+5!V""+_%*U0!;21^Y
&Q'7>;;T+1!+DCCQ5!< K4%;X%ZL<.!5.N,\$F2Q\$QJV@+MA=#XJGH'!=\$)2."[TJE)P/CUUF.D\XMX?
I_("VJ@Z/7 MY/YWFKFN6WC^*Y2M&OS=DS07NVN!(*=Y+.Q!PX2>M'7JKUFMC*"S-7)/CHI6
M/+X5K5KY6X(!3ZZ"!(\$S>>9,ON"0Q='&\$X)I6:JX@\$#UO(',%\$<4HO<^Y0TKDZ+Z";=PB%X>9%?
L=A'F!|XJF7G>8 M^A)%-.ZNLV)Y H&E2R1#YG!/;>,IXCN<+^!O;^66=Z+Y""6#)%:3+9!,FM>9N
MAGS(QW>G">F4 ?UB!#IVO!3C;-SPFIFB;%0J9Y;CY)% (J 4AWE<%SK.3XQE M^X@H:
!T+@I54/8=3PV=,S09%#>X%(BO"RW,^!R!+.UP7^,NIWDAX6'5#X0
M74&)|T9(IR3M!59A,|S:A^!#;J2!D!% &E!J M6K @#SD,:\$ _HE3!O%(8-#LDG)SY!R;
!9^OI'4T+ZW!5=;3!%|D^5K@)NCVP!1CB:--GY75Y\$'
!SKJH!\$0Y8<8O>LA8/QJO@;C*+XE'@!3^X\$&X+U#B M'!W DT5B*"RY1="!7HPDT5@UL&:2IQC?
E)BBVU!MWFX(1E2?O 5!Y6LJY^ MYE9?
N6_D|T!LJ!@B/T NS%\$B3&XI48(Y68ASB%8^<>&TBGVK/?9RE.IDY!
MIM936:9*=T)M84D9*.R_+S7Z0=G.O F2&#J@5.4+GKJ?O:W=!;YRD?
M!U2!H!JO#>EV*+F/!7&%\H.D>0\$="^K#5&,*>@;)81^G!Z8(QVZT)K;'M^ MW7!Y?
K@7F%D\$&()DA@!W/EKF3!;!S!J:S7W-S5J0P,>F#;XBN:WWHK%:L0A<
MW@IDO@%2YU<8JE_!B%#;Y%GVHPZ6U#%#-PUK!6#@C1 (&'--5P?%HBOS2#1 M?
I'8!C9*;'O)!/V&?)Y^;<%BO?VI.!_!J2!+K;>I!OI?C=)1 V"";8<\$9)=(ZY6!#Q+["@#&C""Y8G6>#%
M3S.G3*=S/_%H1#||TF!WV"HN&^8?7O'ZEC1K#E)/#BH_619U+%XSLX3OZ_//MT8H\NIG#EN-
1).HTIO,T1D+\$W5C<_J4BT!#VXN M/?
1'ER!:"C4C!#\$^N7!CU;.KPH_>5E>/7*8G^!FGO^DN*0_C:N!7,OBDTJ!M>);!&D.^+(C?
DS;:0;)0G'+59S84^OIQ&BS(!^_JGFIQ R;_D/VI0*!9 M4X 2@AL8
K1,EYU95O.>)GZ#7.F!4.4="CQZ">BR0^SC!G1U3#>L?R^\$!P- M_VE=MHC&Z!_UNT0+^Q6?
D/:2W!-5O;M4O.=R+FL+M)' ?6J!"N6'9'&+DR!^ M8*-
"5ED=,H0;)6\$4SW!1I55EFQFO!,>W=1Q_ =JB>?;#*^?/ / ^2+;!@ "5 M. (5OXR:VB_"S2
%X!)0)MQ"4E"K.B0!"D)&1%QC*3B,MCC#658JEH(C#8T#6V7#;/*H?B,I*.3J<<7#YW-
3PD\$.^@%A!PJZ!G@U)" MEQJ/_5&_G6URY+9S_+DR/5W-6Z!;M%G;HBPAMJNNOM4<||RZ;+?2RH
;HN MAOZJ8M@'#U>-!@DHBBCXK_5&WDN6MDF?%U;N!|OIP*K\$I2?&PDLTG(22X-&
M+)B!OU!\$L>CIV?(/-10*^M5!|HKZ!-VA/N.<\$^H9!Z-Z35=WL8_>EY!M'= M;.<.%BQ_!J!#^!"D;M0?
5!=K28EL#,2\$O!+SC621WW*Y+++"6.6YJ6S5K)FJ_7JGK/FW9^9*H USCX!;HR>240^%-
B'TK9UK*X;"8LP#>41:6\$Y^_!Y:(S5^3_
MH_XPJ6C>Q&@_8/6*"32F)M#W(FTXKMZ,6!D"P0R1@N4\$1+OKL3S!#%GZ!T M-0GA^!-!<+H=W(P//!E'XSQS.\$!RW.=V;|EA2YV>=Q+ E-HR*S;@SRT.
M!SZX5.^*N.A65\$>/J!:=!K6HR&NWJ!P;'M?%&!'K<|3/-1T_XIA)ZKC =AM M!*K+%|. %
FMG4X%<&G!&1736 M(V!M\$#E2J,%#)<|'%E(LF8W@<:;+!=Z7R)/JTL4._>?CQ(\$QHP!%R8YTKD;^9-

KV*G* MC5#^ZY !T!<^<6Y7(W=CNR8IJZM_ "B34UXZ?ZUI*@(FH MC!H&7CP9:TCC"Z;=/QE?("")
(#>8"3=#;.9VHCNX(A+.)1Z:\#J"5W4@*PB' MOIHRICQ: ^SJJ_2WU0.L!X2-?SV3U7I6H"
<%EHO:BVR\0M3G.8JL_ 'Z7X'><6
MWH7O!20V\$AP*8+XWG96<(RU3WL3F^50JZTA.GH;G\VP5PUB^P;5I_U,G\O&H,9N:+Q;
M33:7OUKV+"Y\$@/229+@%ND:BN'5AZI[*6HOUQ@#+M8%8:W""[0]@VNZ@0X#G M2P'UB7#9,/E[-
U1F!@)2J\ 'M'D6?4=I\N&<"OL>\$<&1)W6;OW@-N#&B\MSZ6 MY8(:5@#00!,2J68B)H6;N_0Z3*MF-
2N4S9LU\;.6 5'MG-V.-W-527.3XAQ3(XP;J4M\|IRW<;|P# 'WF68U M+XSH_?
O_QT5!_E_9'PP#LP2C5P\SB)*:&\$^LSY0QS\IEZS+DWI8_V">@DZ_M_V1_T#BQH%@R#\|^#R)+
4KH.3Z4FG5WLCY<"_MRIUT\|11W4/(W"V" ^<\DT=B\GN3QBU5 MD.?J(ZJ;&)/V6P?
OL2F&%H5+AIOE7/\$2%SC06=H4JD.Y.C9;N:9 M@1'U0=L<|99(C\YM65, ^Z M\Y/^%LAB'%+P_"
*Y"SI\$^70A\5>Y06, QD'2PEZ^LUF05JIGWV0>BQ0H? \$ MF?C/J"JCB!N\$3JX4& #/6*IBXCW=18+?.
K=#)K,.2-7X%?9M^_OP^42! M.B-K<+-RXU?"L2#+>/I#@I>LV!H(I(8RMPA/FFIFJR>IABV03
C%^_MZ-S:6 M2JF\I.J*\$ M/+>#B4NUT"U%!\$Q#C"?# %?DRT0;*S&3UDV/W
+9)VTV7W&//Q/Z54(B) K M:?"A10CS_*P><.3Y;GTD\$Z.D:&34C@Z-<#E3:*XF3%:! 1^GVRE5|W<
M=1T;^J3C\YWS3(?TI0>Z6"H4#\^HML@C28LCK',VOK!8\$Y;.0A8'MJZ"NE5
MO+AP(7&2|3>H=FE2+9TB);=4/B=P.^OSYVC_@90ZIHAP:Q 2PX "FM0DRP, ^MR#.6A\A5J(C.S?
DBG28YV#;+|S_R(C:1.%R6G,|J4UOKGM?Q";8/XPWM/TQ/V
M^CY;WP(IDN:Q2D)=\$AE_,6M8LG3(MEGT2*M,\$V7|N>IE)|T39X04_VRS_3BILGIX_;H0-
CA#XUIHE*7-.M%"\I:2647'? @ M(SK|UX8/#7?(/.\$HFKF\$Q/>B_5"*0G=-?
G\|RXMNV^B*>B/<67: ^U^EA\O>
M_DM%X0/O3@L^D+3X>)B43IK/Q8IP7&E0R44ESYZ5Y+^JLRO=RMB4.9\$)?-K/
M\I: %.BZSV\>?)_71?R G J"-92F*)/PJE!Z>\$JV#>+R2PF UA=E2FI2S2 MA85>-F8,HCM)
(DCK5S#LC%F5=J 62-)O\OMJZ%C\J^+ZS\$/\^G7X4+DWIUG
MP)\O&B)6VH>F%CHA*CO\WB>4)/"99S!JN9IS#AB\|@;=81Y97-.*2UE|9:0G
M\|OG?,3R:B(L37'YFW7XD*QN?9|T=-;FJNP.&D^1F|R&W?|;0B6RTB"|2"L' MFDEYT#HY 8.I-CDR'
BC9" _Z9W_YOK?Z6K\MOLO^CN_Z264Z&"3-Z7/_N8N= MUN@F*;5XUB MW@*P\$H36;+?ZJ+ "
^_P8_NMPF.4TZY.\$A7TF2N6!&22P(O M9|^IL(*D)^3JN\R3A<|/JM)9A)'_Q4H<.)/*_+ \$%FNGG)3OS
MKOR%;H\$.J>|QW%;2(N\MD! ?A\JV0*ONJ,X1O\F;P9_#O,BUWMC_;"?X:LSR,-&-
YML&3(7C;|'5TXIPR|*X M"H%D)VQ0(E(T6L:Q+@5.B80>*?2Z4,V PU|?HSO,4+XDFQ&3H-U@2R>L-
S MK\B;:D!6?,&<>W@57A>6PZMJ.Z"4GOJ\X;|H\ SBB">3;CO>83C1|;|3|Q MJ%JYT_W6D
"Z76^9(\6-0@;^KD;X#J*H2_!7&L|Q+ _I%GJQGY:Q\YM MG(-
/;%ZO'RU/2\K6>+J0GB'G=A.*_G3714B7";\$AT8)\$"43P_#HI%;|^RL* @
M>"4(|_M8KN|=MB+0ZR X0<2I\$^QY^IS=>?\$=-|9QWZUE"(=S)=+AS2RD7UK38<\$ MNODT2
IY8H+C4;TTY)2C*%)3>7/F100G=741R6-OG/(@O484V67?+ \$KX3J M+Z|/TG-\$CS?K?&SA(Q62HSJ
(6|B|&N BBRBE(?UUM:B M9'_I7FYAN*"#K-JYXOBG\BK\$|:(+|L_5|JS@.(F#WE""\$M ACE&AN+!F?IK
M*|;G9X44CS4)=XQ\;V;T2W,N>7YZXB+4F\61!7X1LI&^J+G=8|M#?C500'T\!3.>5'4@_IC+R*#*(
M,N@D&@X'.B\4%|>1CP_4J&@0.FD150WSMP5B6WX8C=P3>WAP;N)AYZF3E8@_MIP#7JI
*@(4+Y.\$)WF\$@OGLL1.F&AP,=+8<7>PVU54JP?8=03|'.#=#E1.J7X MX?/T=?N?
K_XMJY_\$DRW0_%O+W=RWO&.\E/PCBV0/RE1\D;)2EO9A40!;4P> MN6&=|^Q9M,;N'PB" T6#=
<85;JYSAJ<_O.8E;H"0Y=/LETN(\$:75S> OTQX3T MTEMWL.;^|LG?|3D?
I/^8)6QMVR\B\3J^AOQITT<|)2|?4GX^ ^W^E7TH9FV M*P*H*.00)%_9_6+U*A-%L:KVG8H)\$Z237-
@>:8=FX|(EMNY,(MF;WGJ/C%| M_,KERO*-6"|KN2Z/DFK7P4IH|=HT2OSDO;U%2L?
ON'A<|+C9#YL^ ^+L*M^I^8 M&;|5C0>6F6=7&.=0N|'+8|@LMHI68^0+L;#IFY,ZK37-|R2Y|V@;
<20XOR3 M5Q\$KFA3K (O56HX%\$""IS2\$>@E;|HF8VK(C#3,%2 M1FZA@3%EOHO2^";;7+HCO-
H_<'SQP_&FYN<%J3^1%O9\B"F)IP,8|C) M^_#E I:Y%?
#)OQ1|/8PDO>9P2ES'.%;R;43YE="5"N.TCCJ\PW;#^|?9#0. MJ^,FOEV\$4A ^&X=&.'KI
/'_&1^|=5L_S="J<0^Q9\2%2AOAY3ZS#E'^^\$0P M_E1/H5'Z*+
|BWI+47&N63QUT')^6)J;KA;GP/E_ |+5*VHY;.)\$6L,M^?_J> MC?N*N>J0+|PS-&E2%9\$4@?
G|*&4:B7\ILO;(S3CDE)3M?1H\ P%I=,D7*9BTP4KZB\I?/9K@
M;#Z=C@:B^*/_ =X2G"*S0L)T0"0Z"%8#9 NWE2?DB+9A_9|U#!U7^WOW6E1_=
MUKBK1B" T,>#X\$^?9IC=QV* 1&E#'=N D.\$?? K8EJ#&23#4^&25,Y>A^RM,Q
MROE+2/H5F.|2I_#VFNR'26G>Q@ZI2 KX7CLTA\|4+\$*P3&>P! +60V76K4\$H
M\$CW9802(4!5QASIP.BTEE M5?K"9D3'BD97PU9UNYY\,7W^ ^KPT
M?;|BF@5\$)0T7Z0\$;E_)G%,#,\$SV1B:0)(L@,KKR">VLJ.L4\$5A\|X)3
ME\$|&+&PXTR\|1?)""PH!UR<|6@NO\ID+OF3|G\$FCF A?06G|CI\ZLA(?|S>\$32CB9S^#1C|POI#
KVHG:0"\$=+05\$T6S;6SUIF=@78LB,%V?9RN.'HLK;DG.#4XL/TVIG"\$KS_ |D_IDK%|H>T*2IANB"SP
MAD&#)QA8G&+V_>Z\6W1I-K0Z7HZ*"A5D.W;UR|H(ESVT=^C+R_/\$QW#G|O>
M@#7_YFN!&*8RF2KL2;/M'E+XSCL(G*3%K(@B8KKJNZ|I=9<5^|; <<:B =NI-M""
<=>MM^_ 'CIS9RSI29*UF@-|G;MZ@Q8N\ (62_0ERCD|C_*C(&3(>2CU3W"D M_SQ;!
(CHDIX#,'_481G&GDS!_K<7F&OV^_TC/75,BBV'8>C\$YJ M/%69%
)|_FL5?"/:1GQCK7)'VN%ZD"%#,Q98LLA! ^'3WNA""%YEB39>O& M-X\|'47\16P&KHNZ"=RR^
EWM_OIT7\$D&M*|I_@_26+D|L\$@Y++7!1|P_9 M"^I@|/B77>\$ _|@5F\4IO_ ;PV_555:>_ '!J\$|;_JL&|_N(
MLP9D.LT44KX1N:|0VM;TV2CZ(*ZS6KO'PRW4@Y*4U&(O_EP|
|V:XO*Y|8OU*_9ONCHNC6K,|Q|8T*O"AQMU2429:ZY;_ ^)"LHE00_52<|&QTY**
M1&9^4\$@D\$OGXU_ U_6X%'D3=E-7ZW_X4_A3|'8@UJWBYYOOFW/_UV_0|B/_VO M?_ ^?<
_C7_P_"/JRP?PIF*.;|%NP>M:D%9P*UL;T%|*!_5/7?RP<"/J| (M6U3U'83_KE|I7=T_UN7-
;0NB(\$+ #8|.G|9^C1\24I#DD499!Q#"\$.N_UG|AY)& M "G>NM&_MN?;MOV_L|_SMV|>?OM-ZI5-

5W_PK3V15\|VY^:\|NY^):8_ W=:B.#SLJJZ? MC*JXS!678:JX_ =CQ'Z^@'U/_+;
|0'I@3HO|T1>|S#|Z(W=:ZDAQ/0,C|A< MS'+WA7JHYG-|=[>D+F9|>HYI?2VJEJQF^%KLR(Q87JD_?)
_16340">4J;;3 MJ^X1J^)|*|9<=-KRR="@Y/_V_ G3V1EUZ*I-C7K|D3)D+(.'A|_?)N5%2P?1_-(L0#|X%F
@:'!6@K0 7X3\$J^_.*AI\$5^\$|!:O K M.:3>U?+|V/O#Y_Q|%M6)/.%HI.Z*JG|-3L8O@V:W91N*CL2E(0S5
_:@ *WON M9|%JF^\$O4/U%+UPGTC_O?7FNZD%64K.S_|8_13.KI*%UWA(GDU?4U=WEH+35
MY=^|_:M(DLW|_58XC7*1)# O> 11 MFJ20D"*64)%5 19\$,>)C9Z:BM&)=5I/P8AI0!_! M^+F><:
Y7X!AM@?FP9A|H-CWTWVG|MB3HZ,S5FU^M1@/|!)J?GMEN|\$46Y M%OR56,L?VLJR^;S|?B^8-
*7?::2A(88/^FU*F2#7WZIEG"4LS6(.14@3B&@1 MPQR3\$(8Q2U-".<&.V.P%;FQ,K.GE-
S^UT|'..)|KIW^DQLM.N/3^@IZO<>>L% M&'@'"5.|3SNV%IT5*QGSISKL1'T;Y?2SM+?*@:~??
7I+G|7%2|8:<-5V9B^A|A/YV%|^OU7_J&>40&"02!E6NP/N M3IP_VZG422;
<3.&^|'3.J>_.3L|=Q#^Y0//^H/MZ;JA|4ZZ|<_WAPT|B;Q-DR) MKR>M/|@F+L^K|^4%^OB_-2LO1&|)6|.J?
Q+U<-+?2LI\$;VIR|T7UO5Y7|+OGOFZJ|:K-MPF>893N* P81@#E\$0\$4A\$B"%*TOCA+&|9DEKY.YQ9
MF=C.W;(-2,^#|IM8.B?<@39TAP"GX.# >P(|@IZK!=AANF-L 3J&/'H,+L;\$ MET_ G9%Y3_T7
|9WKK|1#O=GLOEG|1WU:BE:8U^SNH?Z4BWZMURQ9O2+K MOW_ ^|I7<4=%O:0D*=(<9S#-
|QBB1*HO',<9#"@7) |0CI/(1(29\$)U86_5L MP)XA(01H#@!DA4SY66%Y6DU-15"=@|IYP"< @=|*_!
|OTGOZTY=YQX'_BC M|YP=KR?4+;;>_EI9SO?"B|_*O'?VE LZ%-R4M2/RZ_V1?OI|NUNPLTO1Z_
M%UHWAT\$7V|_/5D/-HHE=A|MTKM.|MKUKZ0NU>E6#RZ:JW^_KRNUDVU*KD*_M_
|AJ&M\$VG^17I>Y^?+V|:FE6491G-\$LQ3"(BP2BD.N0#=-|QIX'LSL=|+ \$QB8 AU7"S#F2QJ|FIT% MZ.
=?N09FP5?<|T|#!YNNGQ:O*VT^_4PG=#K%PP^FZ;_-'(Q|O=|T&TFG?
5.V3)GQU|5G4K_9B\$^LK>2V\$P4HZ>V@.&|R*X@2_M*'(4042D|9U30F|6_.!8\$-
!01PZ9|@2L3\$^|\$_Q0NDB I68'D!;PGB'E8KPG MM?H3 ?=UR70X1)|_E,?1/X-R#7L.@9)&/97^%"?_O_!
(|8?A;|A|H0C4A:ZDL0)JJ#4?#:"("L)NP;.@M;D*=9|R\OO4 M'!-IZBX
EA|6=7NA2=\$WN2|)'S|4B7"C_>CRX>R|&GS6X%WZS\$I^=(=*>N_DM5&_\$7P MFW)|W|=M+7^5C9?
Y1=3QY4T|K%R3=:L)*O/HE8)-RK|Y&K=W^NFE)|BX=\$ MDVNE9*_%|_51.WORYB3D.
(H@SC"&_*_.DAR>;R)HJ*(DQ %68ZL'.'S|C_Q M'OBY%O":.? =OBT*P5NTX;T1=|DA&|O)NA5(|TU?
Q\$KG0BEYY3_OI8B-V@X) M4% C07HP>@>EN(TM^6H|3_ ^YF^(H0?_CSOOEEMF+XB:|_/S-D)F 7;RZ*
<|_MUL%()AW-&'W22|4 @US@=RT94*(|+9O'6|@7FA5?%P|S%<<+ ML>&V.W;)%8<#
|A_X?;%5/8J*.F=5-3+@N6<8J(R2HL HBC-8|X\$|K_6DCPE M*\$WR++9XYRXF'BGN|:G8D\$40;O=Q
U1LSUA)|M|KQ,*N&O_BFYWKNLL'8D\$,&_142: M|@6#))8*+|X2((X(#2+ENTVB?+L|IV7?
2O|>"3A|,3B?ZW)*7.<2487^K| M|C5=EJJE49_ J=)9YYM,Q7|QYU#.|W|6D^:#FP<.;A"
<;8SUCW2^<2>_/'I M&YU08)_ ##(|>_;"\$4#@VPZ"Z@_OG;_%YF5CSM'#;S/^N6|S(3|WRO>B\$N
MW#:Y7^7PFUJ?#MZO|S=;|YDBT/MV@T_4J\$RT^Q^0;#3QB:0!_?@">OG+|XL%:9YN)Z4G;&
M|&=53>8_/%%(-@K*^<_KEV\$U|2M_5S)C0CWH|0G;_6>8Y#<#7G49*A\$8,9Q#E#&\$21"%D09(&
M89X(0JP21/8H3*Q|/E;RWY^_ ^JOS=RUK|^RC8:9^+I+13DOTI+1T\$U@;1R7Q
MM)KWQY|UK1X5|_E*//Z@^7Y/O70C7^_6#-\$NJ^G&)|LR+|(T0A39"Z MB,8\$YB).("1A)
(B92RQJT"<\$8V?SG_QPC-G==_1N_#N?OGWG|;O5VFIQJ|V2WQJ|H4*A5J M&:(XC>(@ATP\$5T3Y?
O|^GA'|J4RC5DD*^6P8'D"49+(|/;<@!|(8)EUMPG\$>4&N4_|HT|15W_M1PMTQ,P6X|HTIU??13+9+3=#
<8P7UU'6#ZRF1K"?;J|G^4|W4*2/^S6S_Y(MLRR8HP(*^3X_V|H?*:RP.ED.N.JSVR*V_PZ=M:?
C=OR_O|AW)_2X18047*
M8!@KXU2(#.9Y4_"8Q2FC+,T)B6TV.&/*4_NH!HIV6YLY<&9|W21PV*W&C@70_M0!V3"S_E@VPX|/?
5F@MNJ>|T9SNK)NE-1S/=T_|1P|1L^BY7I'29&A_.SB M'.8%Y1|1.1/GL<@ACY'&5"J@XKM|%|A-
KA6=AK|9EG8Y@8^A\$NEAB2T_2 M?HSO!|ZDDT+Y"H@P;R MA_OB#R-"HES8+&G/_\$VL"YYP"TK-
KF5O;%&F/<403@.HK_.DS=-&'DT#|5YHT41D'_J|O7-MM:COW@C:7JWY:W)?JL!._=WB;
|*FRY#;IE&C"7*O1AS%D(4"01OPB+(,4DB MS@*2Y=0J5L"
(L2*53\$|Y7MW@\$LV+\$.|S'|+2!1D"24P*I|(HC02D.8|A@%A M&<|1X0G);_*)\#_-|I7=X\$|J^G1_|MG_&
BMWWHKY%B "@.=|AK%VZRH^XQ_M#;)_*6%^1#V9\$YPUVL_)B+|H|NU+\$XG|B-%G<:(Z?
F)9X!!C3!\$D_4(0A6\$, M^J&GPENIS_X"IH M^D-BR|L>_|C-=(IW\$"TM4H69PND9>&>|N2
|U4|0|TFEIVB^4"JH_0S'\$SA_M7K8OD;_?"?|J3AF(71U92:~|B;K705N\$D894C76">=,%4HC\$*)7Q@P-
!+Y@CJ:=4Q/51V.N10_PBP|IV6(|ER"_# MXD0!%(=|9RM|XB|PN.C)!;X!H0-
Y32VOL|/O>Z|GYE64B%DE+"85@@|"A'_M_XA%&.(1)"2/!24+KS\$A.C\$6F141D376%R_00FA5<28I7O-
"\$S\$SN|_W+K8J M8PO)50?)UPW|FRJ|TE;@5|*H9.R/HNV:%^Q:*RT %455RP-/4;.@.3.T6?
F(|S'H5F|Z<^!/_+C|7ZH|ZB;_G+)8/GOO33Q&E"5>0|_2)B?+=V|D>:98\$<%6!8!<?J|9-
ZT8LHX+E.&813*.80\$2*!|*4\$1C2_M0-HZ_,4H)LN|MSG(SB|<&?T%39K27X^SK\$EW^76H=FQC'|Q.Q-
F>_*,P%|< MAG|/7G.|_<<+1-N'SWB%QU=LC1^FY@V|10KD7E2.W|&= P/NJK7N MZ?
&F5"V*UEQERVMFW@BVDO_P95*%/|\$/#4+4_EF>-/ M58R_|J<@"&J9A2K!5_M(V03HE-?X2LW'A^(
|Y358V*0;.;W/Q0K@&O5O+|S>ZOE@V.C= UTWF^;_-T M?VKJ0)-7>>T|HR2-
=-6/ZUY|+KU;JQS|NR|^3G/L2W|B\$ S?;YN^Z*9!/? MJHI_*U>KJ|7J32&_R5==<>89OCH<|4JV>,R+|*
(B_S#),DX1%E"(4ZC_!9A MS"BG05QD1N7|K2E/K\$H&8G:JP1PW_ TP"1IV2F*@H|V8.R:VF6_#YU)K:\$|
M|_V_DZ2G6P/B28.8TYU5C5C#|5R7V_|P7X-N.75B&21YR@M!892K:ULA_D@R
MEL_LS\$@@@6)&P|JBCBLC\$ZL;^87+IF_2K1\$U|9|.C|/E%RW&C;H5:R_ JGL_
MS@LVZ|9L_';=8_!M&P^|EXCE\$FF|L|4C_J_+7TL|V|>DKA^+JOY&:M|L M*M%\$21I%B516,5-
UYA.\$98TV40XEI5@_+V(9_M2&**)G&F@(G2P|1QT\$?QPPZ)L
3+J:M@6Z)@*|X\$U.R|X;.:6(*Q%VUB^|Z;
M6KE:K:IOJK+XNZI^4VUH6VQ65TQ7+6N^"";*_!_5|&5J:A3@+0YRD,"JZ4HD_M
F(>4UVZ1YZX4A2BW;&G;<7\$/*|K+4N62L4.3Q2A(.8YDAJ:\$8B*+(8XH#FD_M1<1C+#+(?.\$&,U79-
6U;@&!%3?E6K=TEFK*O*4 M&|YYA'|1A7('9#B&B.K0*.5RC!'%+,L#1 =|WZ|Y'P+=@0|7;(4(L^
JME^M.|E.=IOB0!+L:'| EC<@|>FP4:L((^="R_"P=/6:\$=|UOW1"9;GFZ3;(/:A

MF5TK1,;JC>!#?;Q2#,\$#NDX=01P*KEH4%IA#RAF7FR26^B)*.%,CMJ)N'6YX&ZK3B|"J^G9+HFY?
VDH(.S3F.PV!>?<|;U"XM=@[M"HF?L%\$CZ4Y\$B)Y^?|9@4",QQG&?9B^XV?*ORM5*|"_B0:PW.^7\$
H\$0CE1A MA PB%C)I788)# F/\$I9E"4)62=6'B\$RLESJ28*!I9IH?=:W0W?4 J.|\$LD A22-
YNHLB+D|W*>82TWLB|9>.WG_\$!6ZN;ZKAJQ^J:O-?;-CM?%|=M*9Y-!/#;BNW3#_VZ9INX#&
((L193B\$19&JFHTL M@S3&*8W M< 4T6T#1=2R3Z8JSX87=J.A9WM>Y &= %7>9V+YNXARYF/C, M|
(LW0.R4R258N%<+/R6C|Y+A|VF|3-WP4V(?+1Y^|J5IC0S5.;?;(TD89T6 M8LA%FLNS\$)%GH00'
BIX)R'(4NMO'S6'\$QO9N33F|D|/#W:&4|(S&%H^.^P M|03'S*;&COX?TM;8@|?5V-@?R-G:>-
:6=|/>=8GB.);_YS"/"@%1PA)(Y:D& MYJ(04N\$4&Q^J?|JA:A+L\6.4|R:I/\$&
(0#EHGYNXXI|J16(5S;M*N1V,7,9L\$J:|@E|5IF_1
M!SM%L!5_E)HY1|Z5H<^"TLG/4)LW3|Q,|+T\$<./77,V"OL'9|^|O\$>&"Q1&' M/&,8HB#"D%*.
(&\$934**_,ZM+F..\$9K<|7"NXYX=+*.,.7"VF|L/<5YE0\$Y M;WMXT?(S+QWGO9V?|/^|Q3Q:8OFY4(
|GVKNKZBE?W*CH16XLRC<=&6'J MS;9:0T49*(P')CN%P>F7Z@|N71H(#WY7+/BK#'5&1M& MG;-
FU!G1GA60.O>TVX|9-USY(E;=3>1M>= _?JQ.*@EQU|T1)K(HMQ@+F'.4P
MHBQ0'CPER\$6'P^R0VL)&.OAN4 M':3U.GW*3HE|M%W9R9<<+|?
(FO=AX%F0YR'C.3+)876*JFC |X|WW6?5TV|0:>|Q9I3Z"|MZZ'|^Q/C5.\$H_P2A6;>|!P(MWQ8,WG
|%I5KLF;ZP#5<*;H:A|+BGTG3OMF(J^|ELT0B(B1(*!1)D\$/\$0PYO MEA8PR|/\$1\$YR^UZ-)M0G?
J8U|/%_5D/OA(X|H#@_D@7PNV+"KFO@V#ME6;U:|=N97TBY5B4V|UW M?
Y/Z:9G&25I\$4DFD(HTARC&!N<@2&&9AE*>DP#D/;.(DSU*T4A#VN9,|6@N@ M..A;#(-J#<8??
51K0^=9NG:A.0:HF9KP"l.=BC!:(H>,V?=\$|=Y@YAB|%^HN MU Q!!9T)MG#)WS2_ZO22|PN
W5JWE|UX:9N+=6I-MRU%&ZUG^ME0+!@1F6<3F@ZKU^(-QPX/I+EK?H8R.5
5N^J^E55U|4WP;_*MMJEU29,ER|(@S'D&TZ*0ZS=,"28"D8H!SOA!,46:4D&="<>"K_@YLRP*X
MKOKC<0;Y.OV<|XY*UK#<6.NJZC-M'.P8|MFTPE|97UP8#BO.V;3""8*|G M@|6KEW;|/GBLZ
X476_F\$>4882AM/RE8B!"0"QP#@40BCBE+(T#J^A@<|+S M^9T-
_NV.#.,W|9N^NSN)JIC6G0O>5'U|H===D0=)=E?EX=7C_Y;*K.\$ETTUTAX;.410G(0E2&+\$D
M4YVF01HF09IF6%I U&:96|">VMCL.%E|T?AG+|*HCBX M.U7)_6)0S=3 1%#9J86S*\$T0G^\$@N"=|84-
Y5OWA,_ES?>(RA)M^>5IL8BA6 M_?A1BMH5U%>:3|YMF= LOI<-6772+B5IH|JYO>A;_HE#0LL
>,0)TD*45(P ME.,B@""%84%"P<+)|=-><98MLPNP8W>Z\$ILM.+4|S.V_7FKK?G/6K3">#TI&U|@H2
M|NU+WHA"2&I<6H=;U7-3?.EO+F5='|K^HZK2TPC7H0HA9QP>1B,10+S%(4P
M9|)"S+"@+#+/2TA8T)|: ^7<5OIU8FIJ"=UH8306&GY08&|EP;)S<,0\$T%|J MH.2C_|P_1N9=3R;
R|W_B2_,K+JB6\$I_HC^*Z4BS=4JQ%&W<,|7V5>?L!'5+
M|HWG7/!7CW)@_GZ|O=VX8FWYH'7((K:IOC;YE +O|O1U|?|:?? Q'6:VZOP@VREPE5.A
M,1XX5/<)/R@F0;G^|2#<1VXB)KEX| N?OZP-'TS-G>'A\$<@#V2 ^1W>R0Y^U
MSGY_=R^'_%1(;;ZYN|=T%%.OR8IM5MIPEDQW,>DEV|Z;-.TKTI3-YZIO|F 08#N"\$F\$!
MM!"@D)|\$>|||GU:F_1|C7IT|!)/K|=3Q/1 GSY|3\$A_SA+|/# ^.^?;0-Q MO%/K;J_N:RZ"B%
(,"Z+ZF8=%##'B#"9AD.51+EA K-*X MC:A.O)WV/(O@JS'F|7|E:(9=&8'%>^V.UQ.RQZ^O.4C|22VE?
DIA'->8,V M;6#8B|>T>MDUV?.9HT;^T#57?TWJ^K&H:E55HEDE,69A2&-(0I%*2QT%\$,<8
MP8CR(\$D(PA(F6|J0%8LV52?_H2&V;W6F&H)FVF_7
M#XYG|7/!7C"AL|D3RNYO:5|FE&=.'?3"HK|J\$^|UQTcf>279I3-6(0|1RG)-MH(@9A0@+#\$G!(IC'-"
Y@4A&K5RH3X>?.AY)1=U-T*7S&19F"|U=0KOU; "&<
M?;C001E|100|'7S>H)^#@NW%|1Q^RFY|Z38/|>/RMZ_++ E9%DO;FZMK7\$0P MAU0U?
R^2HJ|9DE#&C;*G=T.O!'^ ^GK3V9+923EZ>7AQKO=DOCMX_OKMV_MU^NKZ|= ?+U|^RR?
#/6/|PM@/Z7W7=-0LW_=|UH?O^(/%/\$2VEM1=QO1 M+H1B&2"21"+(09?;8A0&D\$2!0S&&&-
**0|YE-J8DP>I3&P|.E0".0Q&BL.< MDRB#*18Y1*DTL"G)4RAM;D23M B+(%|^B)I6QK%VE|
(QIF8>F:6H M+;C.LM M81|8F6VJ%|MMIT@Z@0-Y@>U#R\$X)Y"L8|'"><.Z3HFY%Z|U|F'7|HTJ
M/&'G(4=%),^T4C,5*MTYC^2Y-Y5K\$R-,DA0S\$N9&.'AX><(H+*_ =S@"A=G" M/ IYUJ#92L^J.Z&
|I>MG\$ 5 M\$=DMV5_JJFF6&Y*LF3RAB4A50>"1BD!0XA\$GD">:%WW ME|_T@_Q2+O|S+)|#JZ=9-
-&+S W=EIRRR_8U3M1C("GG.@ "V\$QG\$|PCO(, MDZ|^L9ZXFK>?K%|H|_K.>A|>M2|E? =F25?G?
@BO2:D05#_51M"/W7QB@.,\$9 MABG+5L_3RD"426!;RT*H>E G1B97HCA"X|U|JP*P'6. 28XL|4 C
M.,W4G6^(|'39B#H8R/21E|H.|Q3.5AN)O16L-" Y<|5*K*. M)0.>H6-
X>W*YS);W)UMQ|XH3U#0Y(Y7OC|G5%XF,_ZPI\$%|LA\$DASF-"DP
M0RP,J5&A:1NB<_AW|CN"YID>QHB=7L)3X6"WGCL.NLH;#<CQ_#03H."LK.6 M%4KFJ2U3H.66I>
(+-;N\$ \$UOQ3^2.&_U6QJ(K7#CC |K=[VFKF|5|BZQYK<;OJ%0TN(-4L2!< WR4Y%9BPB%(*\$Y%+
M|<,PA113_5,2BR"G@N,L=:O|A|3/Q\$;2_MZAK=KFT"W&;&3'G-
B+>=1K.!NO=G|TW'NEX#\$^6M^8'+>R|"- VY>J\$'1= = M|UIPV;#VIUDU6.<-
OQ%K|GCUYNV5(KDBY;J|NA%5<2WJNW*M^DK_UPI"K', M:9&@0C4NR)((L14!S2.8<9RPL,P3D1F?
+!UH#|UG.-,7J|MEBX0/6&+8A4N ML)X_4X,EIUN4|R_\$3<+H/|@!6X94BU6-Y(XI,' U+9#F|^2)
74|*T|"K-7! M^0)83IRA74:=[3A|@I(FA2,|5X@<%,E743^43'R|);5X150|%JEYL.'8!3*L_,CRIT^%
M"G&X6:L;S*Y&B|J;_#Z4: _&^%7?.,@QY(=5%"G/51F\$E'=Y:UE"LRG/"E3 MJSQGS_Q?3I6|&\$J^.?
R;.,7+VJ:U6|K&L7VW?+X3K\$;W0;+?E.Y50""Y7 MK_+Jv5;BN^9-
#L|O^#|6)ZF|=2|FGH|*|I@'05U289^|FC0Z;|MJ|*+&) MR_@I=,'X|DI%_%_?W70-DG>.,-
|>^+UJ8_,BBJX+N^4<|XC;.,X3DE|6GEY M\$M9. 1V0\$ _SNU45G(-)Q'OY=J|1&-|I@E-
CSK*8#80:%j3)H|Z).L^JV|VN M4;?D<9X7K(AAC%@DS9^80BHH@|% :< QIXAEFE6@C C/ O|<;|SY-
E9@_M'\$BTL7O??J.^K@E7=YAU_>KQ_9IWK:X=^E#|TZ|1?>TZ9|<.,#9=NQ3XHRWZY//N7:&:=IZP|H-
M+0=6Z_1JS5527/T@=*|3)(C3-*4)3\$B8R"U:E:Z(60\$QH2P.,A&FPNJ^_@R| MB9?F\$^K@6C|NV|GV-
&AF6|%'*P=I=8H.'2&-9+6W?8T|1F|A|K)|^EUBS MUQPK: P=(E|ICEI^OJO%?VWTY8GZUJ(H#
(J"YA!CS"&*>00)IQ0*'C*4D2C*
MT|IRJB,9YFA,O|W%WTRU=IQ50@I_9JO>,BMW*=P+\$OGB&N8B^ZF<84)RWA(8Y M!'M5-

"Q>M; '_ ,LCK40^>E5M^+80M(I1[@/>4YX'.4X3R(F((.EWQ(&FOBM6#A1\|TO!,V"=70!^(:!;YR>D=TB
.# M^4VI/SC<[DU=0A16]Z=F IZX33TSP&QWJV:"C&|:#=^PTUAL+1(?J
MS!;YP\Y;1Q^ED5N)^JPT"W?"6M;^LR_L3(8&("DXP#4 M
PM@I1L;JJA9\$.YUITF&LN!;4ND#0\XD^%GIS5Z/H:V[(@,KH.<%;)GIGM A
MGEX+"#J@X^*A.XH'P3=J*_4;L6,IMI/7WF3\|V9SX%L*.*?HVKSGV M5E%3+'CS3K+
HGP0C=R_Y81_*EYM&DFB:42S#!,F-|\$("PY!G%")"-DC"L)-6
M=,@#+G(>,JMZ)P8T)|XY:PZZ=M1\QX,*YZ=;+BQ;LQA::9+>@:(3B,\Q>;-
M4VQ>G=5,1OWWM*A138&+-MB4."DD=/"CR:H>_5SW<;%*_7FZ*S;3E'WKB|!30
MX>A(W770FY3C26F#X9F=**!<@TX6-<_ZK;&|>B7*2,I9P)^LI#,J?E_X=C. MF;:G?)#H7(PXVL.-
_VMM+/OU+;Y##+!"4XCF!8!AXC'-2J%(.JP9:D\$49) M:A4\$IW3XB7:7
M|2%+_G|=H6.KEJ7B/;T8!3!A(8Y1\$4>0Y*%0
(8QXB!GA+,T+;K,3G2Y1<1VQ6Y!4,15|9\3W|Q)/K!WUYF+JVG_&'V??;|;:-
=U^!I1R|FV=Q7#5G|4E>;^|(>Q&MUH XT>?"40E.B MQ#G!#!UZ_E"Q=+|=HB|^\Q.3%_.KC/4YG5-
F8F^YT@R?WA-'IST|Z^7=|_M7C?KOY+5^_77S=U=IU6:=GU-5^_J^NI^15?
_6?:9'5MN!9|L5>'VKLG65 ME?E9-1*5Y|"-#E<\$A|S,156#JY4T3307G?8H-WT8O:X;#I1DY/G^H-4+8|*
MUO-@<|Z><@HL3?R70_-CS>Q%<+H=^ZVIS><;<7BB0/!>1 W"^->ZEE\M0UG>GK'5FMAO"M980)
M3T.F:B%B_5\$:4H@3(D\6A,1Y*FB"P|_N?^G)^!_003X|1Y/<1@_!B<|!>3T
MHO,@IMV"LY/0(=WHH!P7Y!<|_6_FA**#PNQG\$!U^S-YP?UU!%20!|!4ITM;
M.,D.O3N#>XRLY9>D)POZRM:NLH-RG|>%+Q79;N6X2FMECYX2R8AQ&+\$VZ5=6=,>>KEV9'5W7@
&Q.V#I4S1+0(S8%/I:~L9X% MW0=^""L_.HZ*1CAY1)E9B>|O^@P0|IS1W79P7\$@&LMR
/LZ(L17^_E3L#; M3X4DN;FIUW%=JDC9;|)BRM51KF|. %PY4E::5DOLBVDV|_K0>A8#I/63)4X+"
M(J.PH&FHL0)5 C"-89(4<9%\$<2"04>|20&Q;93WY*4B6|H G25<;TZ /#1: M!P#//*.G5>(=?YZL|>F!4-
|. #NT%W\$D"=&?&D2S'ZZ5VI=GUU'_93OB32&;
M0W/N16Q<2N;|^05P^TOS!_TB6%6^F7|^3E31F9&9V2KRS_PN+K/"U"WMSG>
MWHGZ1A+^E=1_5^_.U'Z_^.C2()YQGM*PP"J".^<%) "G+8,ZR@LL#"|:Q<5VS-MXV2FWM-
|PJ"G#\$@+)&US37X"H/-;KA^Q+1UOSR6^TA(IU# |(:KYIN,'K=- MPAD**S5^7L(3:O?SRL;IR?,"G-
6:P=.,YW O-@%+^|8X'G9E?Z>|6+KF|1|)\$S|T?ZP,1NQ;|:@K C.D')@7."^2W1 MM4_F)8IQ'17V2-
FMX|_;&^VJA6LM3Q(Q"?3UIFDKN25_*DM5ZK*X*;NI:44
M+K,T9RCC"611%*D;|@)2^F&8BQ"3D.=%0K&I_6Y\$<>*UO?6EU^)!K#<679K- M#IOSGM'P?
9BL"/,%'TP,+6Q868&#"-S;F|KYWC-Q,?Q|869T"K.0^<2 P M&V>VLX&56.-C@MV+%W9H>+^W|3-
!ZD75G&_>Y4\$HU1U. P\$1S6.8HS"# MJ8B9\$D4B +&*,L9EC(IVS6^N4L3:P2QEV@V8A% M._7@
7DS+3(OGG;*9MRU^6D.XHX|U9;M8'=GW7!UFJ|_C#SI+T|, #2KDO,'MX'-
=Z"%D9R|.V8I5^2#X>VD8KV|*>:SL+X38?VU*>4@*EW"&*4_"&&8|+>3Q
M#|N37Q0+F\$1QB),P2.2)T-*CA/B|C\$6UY+Z#S)N=U!QB << V90^NKPJ3K MY;-
RK:K*|,E=%|MD.644Q06D.280A02!_D)*0R36!"E<)+ (2LU,S?#_4S%D ML\BVF7H(|V-
G6X|"'YT<9"00FY08=(S#UE;XB^>36L)%\$S3WJ!S\$Y?|EPJ:1V"K\$3U(YQY,IYU.
=|*Y_='NKOF!#|+5|06!_|G;/_<0K9\$|<. M!U^;|9;A%-
/C2X63SSFZ'JFMX)N5^%1\4G\$!G4;|*%GNKBAV(3DX1@0CGD-N-MTD-9N@3F%!(HZ-0TE
7<8*LG(R&A.>(F- FS*%@@@2YB0C-XSI:Y#%U#1^(\$ MF%FZ"WL.E,88PH(
_S8FB8URA<"7|)^4|+P^/DLP|CQYMN|I%BE=MR405YM6 MGO1WO3->?
F>K#1=J%IWG+M_J\$<:_ "J|?|+V^&NPTY^6W-RT9;^()WG1'Z M-9L&04020F\$N+3B(\$HHA38H
D@PE19:3D\$5LN=9!G|MUA+W+!-&BSGO%O,> M*Q:!)\$WS9U_J^+O|\$WFP:0R3&MVP-
;XV|0R5C^:WHBQ,2|!#KQC?RLT)A-EZ MWYZG-6*M;XUA.=7YUGP0-^7SNA;|;-
+1HFFJ51CW24/"RI520)H(I5T01! M&A0JW3Z.\$ER\$/'%6)>@/\$9GXG-B1!-!M'U;):W\$%TS+3\$|3+; *0-
K<;T7 M_"EY/*WK@R1F7;ZGA'R^2D|^ZWCP8JS>"-ZEJDD|0_G"FS[X=|GF.S>%*AC)\$
KEFD))\$*T|@:QXQ@QN/(MJFBK(Q|3JX.1%ZT1#KMU.Q>EY>|MBKJM=0+!N|?27CHL7
M0_EQ7|Z)N|7- MOVK@|2;-N6|ND|<%GG(HA!%L(BS""*29S!+!)!000A*\$R*W*BBH!|=N)E9J M
|V%#J-J|:(4 ^T%6 N+|DR7(W|;L;::B;X:9)3 M.Z^&;_"|\$1=@M6/#/E_Z#(3G|P?_P%AZN-9,Q@R \$0?
GC|ZNX-AGD_L#Z<)|T MPG++))S>0V2"<_!#L^>1F@AU**#=-|T|VOH%)WK|!PEER 4|!&|@78,@BV""I
#MB|2N-3Y+F|8^3)J># MP*S^!|> GKL2+AC)P;:KBVM^=!8&U"52.MI*)E-H
M9PT=\$^*4X;AWSGPVSC%VGY@S1QIR*.(KCX;MXR|8&=?S-:.\$XM4-0T|0^P/81-%M>+ K<&N%V
M7I5X1|_.073DQZ&;/31;#ER*_QIA8U\$'V#=#&;LKIT|>U_*;=EO?;^#>YRD"M M8HI5>D|?
0D#|C>NVN3K00H_J5R#>RW!ZA'W7>-305714>Z4&;% JON|E2D;0WD-WT=!/WY MO)?
K1|!\$W>I<_|TJ6/2!T5HT^9ML_O#-YV0U#:>|HVLYO54(62C<>:KB6PC MUI/RR%80NIU2?
ZDJ_JUEQ*W61%D30-((A3F.(,>_HAS?4DI@50W.9|_LUB?YYSQ|_HOAYWU MU/UD
M:9Y5:\$|!"D0B1H*JFKE1"F\$604LYAD).4I3%BG!C?D4S!X.0J?^*^>D+EE.CYMEIQ:G@HO'L|_-
|3=TNOZK5^D7<|5|;ZNZ M_&_!N^S!<(D*S'B(QC\$+(\$H"BG,8Y)"GN5;?9+C,#LHF6DM&S1/*ZB),+
(TU=4W#>PX_#T+!"|CPEIQ!>13VD;.=Q(MRIC?>AK&AM(LRL1!|)\$%ON+SJX&@0Z|*J==J
00%|TVSDL.V;|L_XNOI,ZC<; M|57*J-W |J&LOTA!_!\$D)*CA,LCB
B(D\$ \$L\$1S".>.:RC.#=+3+J,C8D5R3^% MBR@)0*D94GZ^<(0-
;64/W|J@D_T2D=BF9/BKE^4|Y\$O^SNFO9|@J41.HY|!;* M_GD!^\$;./TP6ZH%LL;M4D887Z6Y&
|DI(UNL-6:T>57W.7^74WLHW| %L/(0B M+8C|I%&0VN*_|#|Y|LZ+6;:44N|HGH:F2D_+ G1|J3;: V?
@N|)F6+T;YY. ME.3/X5+R HPMO VS8.WF4|@4!/?|KC;:ZN M^(:U_|!="#_J?
%VR&FSK92S/O@+S!&99E\$*D\$@ (H3C';TXA11(H#KG+8?TD
MU7F.Y%|1%VZ|ZFIQWA!OVDC/\$C4>\$9RA147>(0"18# F6"!9:D08%HD%*TP&W M%X+;|@_@ITCMGU
I1|;L59EP'JFP_5Z-F2>D>P6M5:T>\$_.Y=>(3;T6UP. MF|O.. "E>|HX*(QA|^2-.\$Y07ZV D^Y)YOP>PM-
Y7|HNY^53T*H0|CGW0)|Y ML0C3.#K(Q;|0!=T'H&.LMVZ/BZ_V9+V(KK#^?

ZX1W'1XS!!R/Y983VMV>-T M9EVN9\5\OE+/O^#:-.6^%JSLC@H\HAA%C,\$HISE\$.
P@+1B&+&,4"XSBR,R? M=VCPB=?KF\00WY47U-
+2>8*\$V0IUE<|N48ZI^&ROL<^|MU88HZ%G;ENQ+|1^
MBXD#S|@M'E5E4HP27IX4W1MV47F<^2B^M|??Q.I!_%JMV|MFF24XBC*YQD(J
M(N4"0Y"P6#6MIB*C0S4YVPI0(??CDB_?PI2@T_KX[K-6A%',QJP*YE*PGBNCB|=SK-Q9
MW4DE>"LWR?):!O%^SZDY2:#\5U^3|E%&HD)ULXDYABB/"H@1C>5/-4!S5/!
MBF5;M61EHM.T+)2/UN*QFOK"670D;:LX7D")S.-XTEZ.Z5R2'#P@|K'_&A
MFWU5A8HF6("KMJU+NEF|C#:#E>HU<.:>E-U/T|0FK<,Z'F1|ZJ!&KSBZ/54
M8U9K55>E>=I;JS^)1A0G.1,\$Y@0ETA\A"-(DCV\$0)%'\$\H3%>57K^',)\$S|%
M|/>^L_7&G8/T!_G\$0B|Q=|3|IKR^3^HFPKFR|=VCMR\7C9#X??:*,O7=X%
MX#_ZIB%77<^0X69%-6W|+.0W1G57"9*0BXQ\0I-";OJ(0-2:L,/"/%-3L/\$_MJHR"?F)5<#
!R:IFPOWJ6)9;G|6^)|IAFF0|M.3SSK-3"P GI>=E>LBIL%_MZ/F9I@N_.0X3M_\$P(YB?0#,@3G5",!B%#
<%U!DMTE|Y(I20\O2BW2OR#Z/;MQW=5+?E8+W,4Y;G(")|@%\$1 E<0%)G(:ZPG,9P4U>?BD*MO7)I
M|T:4Y0-1W|'^%SUM=.6U)441QT&"84Y5|72*&,R#+(5%+@H2"5S\$U*ICPGF2 MDQ^~K);.=D-
(#-3+Z|L%,G.H@!\$>?0-C|0-C8;S^>MOK|(LGK;M')|Z8-Z%-;|0P3#M,!(#@>*E=H#A'B:8!SAH/8
M2@F<)>SFQ\$E#D0\$(%A\$C*4TD|OO/XCJD)7%&7 M8.,K+LV%A7E#UBX:2^:
|9*Q|/,*/151DF1|D.MI@D%&Y0DP" M(LRR\$)\$N2 M.;Q)P%R|9+-/QE;8XV@O3-|96-QCG?
%G38"QQ6!50B_F\$B;ES!,6|L.UV\$ MS?OU@^@5EZY)4A:E.-0>A|K^&|+ZE;2J;N+C&ZGYGI4+
(F\$01&'&8)!R+BTD MP6',8-"!%R>2+,H\$-3N\$'4).Y.?KT9<@)Z-LBL%.F);I<9>/9!RI7B#155#
MU0D4O!&T'96#M26;7S!)IG|T>8"WTW1C7'=LJ7I+!^;B\$;S1)SOSHEH.3O7+M4?+F9+^E9F=
H>#MN^\$|S"F8P-C51;H6KY|;V4AT02<6ZB=<;T-2 M2&D4PX@5F%&2\H"G-LOJ)+6)E|F6MFU;|RF
S);-|MEM^6|'.S9P*WJY&(MWH)W3|&.:7S70.S|_%Z3EQS;?
ZM^|UHWK/F;LA;LW;:GU6>99FBNV+E2ED5" M,"%I_%%1J) ^02-E2)X=6%K@).4L)E8;IR7|B=?1^UU3
NTV5!;(L4B5.^" ME69)7)PS:PJ0-HWL^X^LVP#;HF^F?J8\$%,|A?)UAYR"K.-EU/^|XV;O;|MZ
M)HG"O@>X&Q*^>G|;4I^WY|<;-'N|OAV<;P0(K6J|H|)%MNJA"7;1HCD&:(X MQ+DT/'&\$0H"B-7-H
ASFB>\$)11;61|GJ4VLB50:C>CJ^K|70,30)YEU/3-M3'3|4U6Q41+ZL^6=T\$E(#2|_?
%E>R|C(O;>:8S12XXG\$-+<2F6C_E\$=8AZD-M+E2^7@)6L%/_SYVVI5LL=E6'"&
M2<)|@R|F%B;\$"L4I!%(P4#*=1GK';ZH!R-3.3|^,,3-!%WO(4 'GFJ8Q#|WO|
|B3_-3|W2^SE;7L#+OT6PY*Q*,*TR&\$6!\$57')|D!\$'.29;D81H79FWG38A-K,8&
MT@MPKXCK52<&|@XQ,"=Q,|D6|D@BR M(A<0Y9A"3+,(RB-.G*?WN"^@I@Q%IH&B;K>R?Z\$
MM|P8=9+;>/F:B75@X3:"_713/?PL|^C6K/QAMU3/#0O+(C43;5B>AD\|IO>H MR+\$#1154
8Q70F7:79/OGZM:MRT?G==U|5FI&K;:'R((Q4&\$89BR0"|E@D)" M|AB*F-61AQO'MO%8?AB;?*8C"
|L|D0A\$="QJP(W;9VJWN';S!HX";M%6)QC-ZY'J+=,D,GG&T%>ZDR^VYDV*|@SF7NJ4|_\$=;Z|Z9EZ?
BL.G MK.=)N,B0-7)H0@C>20J2-AQD*8P%3P)*0UBRJVJ4MB1G|B>&OSM*;5R.8BK^G!(Q?
=%OW'S=J MD\$_%W&OK)WUS6_KLFV682'_EV8!Q)FJ:UG\$R(*-HFNWRH|9+T+Q?<;CW09-
Y2!+^=E-EZ*9|6R=Z/4)D MUD5|6M#G*_7,TY5;.^JM;YH+P|>G^JO*B^9_Y6L-
F*XEUF6<@("D820X3'" M*%3WP6<<08Y(A+.\$)919E:0WH#GYUKR+"%GH5G
/BCKXX9|V820_6I>I/0ND MX9VO7WALMVN-S-<.&4E??IM
QP'0+.SB2+R6J#65V%^IVK,4YRY9;PK!@=*U MQJ|ZIH4:01^L/?
WL_)VOS6BV*P^E(58QCB4>B+/(681@2C+:.0H)I!%1>,MY203U"J+Y)F)E8K>W4O-
YHR6\$G2EODGER!NIF;FPM%_-PQ<@8XMJ/D".\Z M2E\$':F5VW(\$/H"VSXCQ
)*O!)I+6)DWW|8#;'OI.3|&O-2'>KC)|Z@Y4-/J M+ME|<&?&W<\$|HCIF,"VO M*;E
O>O)PB|>X8OY>N%G,:>X#SN3-9%P+',3%>@|/6FKL6:/5Y+J@UAVJ5U MM>;ZUU7GX>J"#'<7-
&'!>4\$"!\$-\$"15M)8,X#R,8)JKP*"PL60%X,S)O-JY MYPL,C(\$1*Y8%:9RQ-E.CLR!HIS8/@1:1X!'*,BM?
VDEJ\$Z_H+6W0\$0<#=:O5?1HP ML|7M#0;|U7T4@0FNQXU\$|+2^3|;:=7T;B?U?9N|9+>^!>/+ZYK+
(|#;|=-E M=|&NRC>9K-9C|TZ|0?=\$=|QLV5Y5;|3*|&'B';+3QIE7"V|T:\$4F\$|LO/K.
MB74BRT"^V|UQG=+|B-LZRJ<^C,"^GL++^*=5G5'ZM6-J|TVS M\$?RJ'=HHZ;#9-QOOB;657*11\$*
^!XBQR&.F&@8(JEJH@|BG,4PR6@NK>-M<&3D<|V\$B8D7ZC|)%BR (0*G9
:3=M5MK*WVY+2|S'P'U=,NWJR_.?@S_LRKF M^%5.MN80*'G4<|E/0?#/'|W-O1B@#!9
"7+0K|IER"Y)X|ZZK,1=R4DZ_6& MK%:/0'D+)965?\$.?@W<#*+*"L%OP*(AAT?
Z+)OVTLIEK*BV|L9HCH%G2T|S_M'5?@JMTU@K06*08+|&8T08J|AR:#/W1YQ39*7^IU->
(H/^%F)K0OWQE\H-/O M'O="|P|A\$=(ZC|AHZ%GV\$1_"#WN-
E|S<"^W|UT;A>UMQ;NKG6+H(Y*&19(E M*((<"0*(\$*"09+DJ"\$9YP".2HJ3*|7*CG'"LP'N5#;JEJRTA?
W7IV|+^WZZJXU|F\$=?OBU;N)|@A%5|6TFW|KBEMJ>P&?JV+ MQ;;T;#E*;;?
5.BF4FU_K)|#S>;9.B03\$MW7Z27OOUNOK7UYMFG(MFB&O3_"
MB").8""B#E&HBM<\$>0JC"&5(51-6V"@2Y>#H4|_570\!"H+FHAI#;Y|<2Z2-MS&Y5C85R<+;L2V?
N1;E(2C?WB-\$46CD|C@IQPHNQ_YL|HFC|(|#LY,O!1SSP#EOH\$?@C_H|B\$-!JWRK MX/53S#670+
I4SABF@FP<&///!%N.E02VZQ(K6|_5E6SJ?74\$&WT|2ODV;IH MU%2UU;E(
|P:OK.+IE'L%DKZ|+>AC\$TMU7=KF0|T8E_|GH@K7HKM+E800) MDPO=X|R<_"Q(P|8;TKP:P3G
'1Z1FDY|NR M-H\$+X&:>JZEAM-O.MMR,2UAK?KJC=,&CB8M>70)*+XJ(|BP,&_A M-VJNJ
M<,E8|AZTM_5/EY|JWESQ?_V;KU;H8NM".OSW.)J!-TFJ=|P-|552LM!80H ML&,(G'>D>1#>Z0|PE-
Q2&?A4-P9B.OG6CHTYFW/MC%|C|JY1QV3P@:#=&2|
M?|9U64DKI6G?;2;ZH4ZV40)E%&60C#.%W|TD-8)I&%:Y&\$11!FQ,A8,MZ4Z|@GLNR*K+GU^
C@6@>-#1+;|W;:%@FU9J":F803-"5W7K?0^GJ1IU@SF+C
MV&W<6%*O3<;4WV!WN+&4!QN*6|^NIOR>".ZS|U^=|5&MC=L%5-|UH><1^+ MJM;:Q#)%B4
X0S;2L;:(1A3BE*8P%&\$:QB7(29J,ZK_NU-T?Y|8<(L\$P)"E)8)H%<1HE>4@+ MJ;.-L0G5INJHVK?
UKF5|@N)?6-:/5*Q%4;:-I8UG!N9QIP*+\$O/4%\$(MY1K<|@A1UMX7U17^*502|_-|14:<

%)V5J1G564NH#Q75\$YC M>.Y7^\$LM;QJM\$TP/VI MSH6>FA9VX)FI%W^0V"F4,XT+-?
496A<^D7+JYH4=L3I&^^(G@ALW,'SZEFO%MCU9;AVHT?Q'NOI?-DN4MXSNB^FL-
%%GPNR)LZ6@^I+9FKY<=+NU!"*U0T&/4T)YJ^1QD,C,)3Q."I?MN^/DT\NWW(M^*O."%8#?
Q5MN^HK&79_417Y4T72D8R+#+=CQF&2I_I4,"<MA#DL\CPO\IA&*1;+M;A19;J-?<
6#!AJL/NFSUFP;P;L"5N[?*UP=-8Z^L; M&U?'K^(#I"3UTE\J?JMQ_L_2(NR5H?;^\$;T?
T\$"E5F_SRL+CYA!W3\N85M MB,_M&78
YH;SV&44_SU557V|=ZOJVU\|SOQ&_D^*!;S0HSR@KTC1E4;*N#.M: M^;*7B*F6?AQ!D1<(HH@+B FGD
:81F\$0Y7%!'K'(T?7(W@YMCLY8K;U7^MURR M/ZPD.Z+Y\$=Q(UAI
ZK)1!W6^J=4_*NKU7E\I^FNQ:C|=9LKPO2;!3E<:-%05 M!1\5NT#S*X\ DN/GK5B?\\U57R7?
YVFZZ@SH#)U7\7G\PI1?=8;5I@>K.Q%7 M\$Y*V\|= -6^O
_@JRT^B.+9;8U@Z6P.XK@=T6S\WE\|V>\$L.O).I7X4;+RGJS;I4"1X"A2K1V9 MM#-
#'\$!)@L(@\$@SA@">.1I;Q4(ZL3*P\$1Y0 &S-RZ2'9&&K7_4/HX/&OO MV1!#180UU8E\$?
SKB;LI#LRU"DQV@C1EYX<.T+6#G#1.6(JHG9RAW(7_I7;-"MNMK\5\$@+4*H\A52-LP-?;Y5\.&6
3\PX)*O<1Z4TVK'.QYVFN4\%!.D_JWGY7C8B&PH-Q'*P M2RE,BH)"E' FSUT!@T+YZ%4G-
IQ;-9LWH#GY75O'@?;^I\T/MA=MY\|SO77S MBHCM%=P(C!%YT-?<
L.*^L;S>;N?4YSYJLX8@OU|. -774\Y*);DU57U0\I9 M\$DVC;/0I2DP(%C*1P(05ZKZ\I)!RG\$&1Y#3.A?
P\MFIR?9KF4;P\XF=,K@#\$#8

G20V#|P75&;IDM^=_6M6#5 MS5I=|ER3\ _UAHODB^*9KSB6USF:E4CE4R8H/Y+Z1ULC5_?
VJ9"KB6#72WK3R M3Q_*N\KQM(LBR@JXIPFD&91#!%BJL02RB!&148Q0A@+;G>Y/P&7TT<= \$15
MN8G5CBP0VW8/=-NIEBHDRITDO!;Z3(ALSJ.R..!W878.LPV#+S1+*MYVC\$- M1K.WXMN?
#IP05\$^*NZZ*SSN_ M?TWT\3<|B19GM(B7K2K(;8(I TE8K< M(>,OZ"Y)>E1ZP;LP5YF<1V
MJW\$G\(|@ I!":BYPM5I5W^2G7;|S\XOYX#6OZ;BHWFKC\1&8N?+=.0"WZ\H= M?=>)M;?
Z^*&JN6\&O'N2&|+@AW(-&DW;.C7:%DY4 MH""7=@=.4);IECH.YD44PE@4
0\PDA0ALM)IKR0';B#IV.DQ\9M&Z K% MK+J\5QX+WL,NM2=X^ GK2?";J=H)0;73PP.CH.<\$=*RH-
+2MM1G5>&.T#S7\Z\#V\$?% +J^+U4KQ>OR3O\WE8ZH_BM9O5N1&|X MF!-#3'W^?^CYO>
IGV5=\$UQOT\HCD0;R;SG\BF=E8Q.2<@N2TIO"(AIU&L \$"
M*YX\10+8R"M4Q3;J7%GBW\Q\$&X<^6+RN)MU=O7H?NKM@N+T\6*5<|3L6ZE MW?
>I4+4KJM7J75>F;|F)D"=Y(8VR-(H@KDT)?(4P2+DRB*>!SE5B5.+6A/ MO-
H5GM5:Q=CKU@>;>XV*W6\I2J=<<2>9!QUA6\T44SW1R#?;=L@VJ\N9D%;
MA*6=KE!;.@#\$7R@3K^%B CQU;ZOKI=|4-Z-GOZ&YO_&3Y6\#>5:KP0&2YO:# MRO".A0Q5_?6N-
5K3U=!>TCC->8YS*&(60!1E!&)29)#%G D6DQ'F4KJO>7SZ_I9HJ*3_11>KL6VJ<?;^UPF=1V2J;?<
W%\$#W@LXW=4)E^E M^/8)S%M.IZB>R7QCC_HJ6YQ5PH)2ULD81Q!A@/E2R@() \$ED&.8%4'
!;EN3IX45?SE_82K\XN^MYG=>K>%W\$P1 M3
BDY:YM7)BRQ\W&4I')#SI%5QJLRH<1VB>;R+782\JFT)6NZ3B9N=&&@5;
M94F2"9I#%N92(9\$XA#F+|"B3)*&(%U%>6"74&_*=6"7M.H*|=|W2-P703-; M(N=@CF(R-
BQZ#>;SE%NOQU3SE)\B8XHE *8C-I(D_X.S4R!.Z MX,L SXZTU\0 Q\Y>2=(C9W.IZ!X
LE,+3=TNACO>%<|S5INOJM M19\F0N71)*HL"&(A33.8VE#)\$4'GWK9;PFJ8F5V=6V/X"%Z
MS5XNI=T;M130>&&>EN/40HIOCA:A &VW (,.,LN".RW0L, #./68"K%IRK5H MFM?
5'94;N\ZNN*)R!1/6+D,DMUB<8HCB-(&H2
FD.NF4ZZTG4S#9.7UC8+4EG&.S3%PSD\Y6T<(K4O*D*!D+O M)2B8O.,8#BU;5:PY
MY0\LV/NS902VG^DPTR_S@VRGB508@;9XX%"5Y/I;2F-C\>A+NKX=6Q"G;|
M3J*^_,+G*WK<#U/S1HQ\!7(O2MWOZ'9J\O9>++^*=5G5.EA>3=?HMD(?M4J
MAXARGNH8B3<;|54BI1-NS8WC2IKP M7T"\$GMZICA\Z>0%OLY\47.7Y\2\2)"7: MEBB
NDZ&S&GIVR3R,P'1"*1R(OTL)>'W M"3H/8J\$/'>6Q.K\$; YB^"R\$.% M9@C1#1(M2Q_*
<\$\K^!5%|U7!=3IYE0V69?\$OX-W8\8I (GB_.\$:B7Q9C;&7_MCI)\$""H@7ZAW%GYIV-
>RC#C;HY5V\Z7JH:O5(U*GD#IT29\@TNFN_2& M*3J
M;X^25F9*_*.*3TM"\J3PA2XVJ.,7>L@CX7N" _YD%N/3
MJ74N,18EU^DIAO\$ZV\IA)_9.#1_3W2#4+L'WDN\K_E>Z.N\HUF*\I5JM;|!2M+,%SE)
<9J&'!A\$YRRW,=13-1F M1&@N\$V'5\Y&|/-K\$|.)- MRZQE3-X L&86NR.X+#5Z#ZF.+/KK6N^?
DUS\$&4CI*FYO@-*1_7RG17X1R6?P MBKVQ^FDM"MKTRBTA+N8R_RH?
Y'HKH8K6:E7<2"6/LJ6YE)#S4\?|:)+Y.?>% MC_HBB\UT,9N0DS M\$O;3)N+T8-HIDYF#V8)\V-
2^)^F^Z_D+;M=(|VWS M=/7Q\|FV\|*>|J=5;"LR^"IH>|S=VXGG(=#B(P>>S3X\3_"^;7CF2/; MPE"?
F>R*AXH1(MU'6\NUN*+W#0>%OC<=>I*=[#GV MJM-OOF?^D)!N(WV) X^*M?;Y>YGMX\ENM-
M<-<"U;^NU3AM 7#HT&4P\|S\$668A""F4P23-. A93X+ "-6WN!!WQ;JH-T'V39@6'(EFD<0N!
(%&*22+72N1?A-*IY M\|542&:UOLW(3NUE;IA8HN&#;UUTR>6/J0S< T="<|A\CVKK!%Y<>.DIY
MZ+JL/0N6PGMRM\$L1G1>GL5\$"_ \$P15Q\DF M:L,Y/G9:HVODV*??
=G,\$%ISW:#23TVT\IOA,T7Z/SHAD,1YHL&KX\TL"@*UF# MN0*=G;13=%177HI\1?*AYA1
M1C#Q8@9HBG.X;0:9@&5W*J;K%OVIM8\T*6=HG;.3"T7UX-64L\!_C\$^GBC MF\5I5M&^D"#I
*U_=%=#).HX\ K;OR?DE;JH0&+T=X6F@1_5S:36^;FM;TF M 2.%#38-%?
OKH1>52W3/+2B%1\|>/7\M'NMH\7E6R07VLER2("2/#"\$>I%ZNS M7J).2913\|5^QA*><|F-
R@..H#UYG,">.+K?DS5WW=MB>?KV94*\$K"VWY\6% MT!/ 6F;0U1S F=|;3 C@N+L'TT!;W1;A&+ XV
|XFQ>^Y&B\CW08X<8ZSVO M-Y>YWA3;*2;U\@,<)QF"%L0"LS@.H>UH+&A(//
3%UB)\A\T;O)%. \$YN@K#|GO CM;JB7& BJ8^9+T(L29@3F:6QE%8>J">C
M3VRQM+0LE\93^G8LRZB@V(I7T""QJW>"? MTHJJG5 =7G8\|*F0\J\$|PC(O)"9I3#!C>8I%EI-
2L8"QFV6T \$;\$R^D/45\ MRO^T%O)N7>0%/|F\U!@BLU5VIN\V:ZTG\|S1%N0:D<;3P#E&8=?D-
B/A\|S0X\ M>M8-2\|MQ5;MF:7U\|L1;P_Z!\(/:I5IVBIZ3^UM212\$..8TQX0\$"93\B' H

MXHRF:I4F=D\$8=N2GCLN &"U8NOH?>JCKEL,6Z0F MV(3'(>'V>L:4^&ODU2#B'
D/*M&: ^CY/<2WP6AR0(K&JCADE.'1)"FU0ZS<+(F"\#W;QO M4-RA87\K8@ '\$J,L-,JD<7EB<(#C)809
(H*HHT/*MLQS)(Y)\$GE>\$&96>L(UAQ.KE7WWO;:O(=U1;H+.'FBQTCF(T) +BFWH/JEO
M1K4V=#\HANKJ-2?%4KL!);P9>=K^K,%^H\,D(V6EX(8OE^_92ZV-1<[JZDE51BH_J=4R(91*&@:8
MQ6F**0JBG'D!4W:=SA-/8F7;F6CI02H3;J\+FH(HX8RTJ3-U.@P1LJT)GD
MEN>^,4(*R,CH09;.*KW&UVB_K%7(<.CSJ(&C 3KEK+9P^_,+B@@?BVKN_>2 M;?
Z@4'D9LKZ_HX>+_.KJECXA Z*MD.DT4?U)2Q31CW?"P0.6 (Q^5QBZK,(M9XG, HJY,?
&MFL&,XF+BY:P^EJ3.^AF'I9F%,SE"=LM>UYT?A PM\$ M2X^+M-AI-O>?%#E+=D?
FQC@>9C4ISH+IN=EPWF#."DI?V_:%G6A)+S'CLXXCY/@L5VEZ4+M?R!MYX M%92S!N4^" _^,.)MM--
_H79;_U)_\ 7JL8%;/G3"A^D3?J"+F+N3)0SZ?&F%H9KU9H1QOM MB9NI@L_#" \E\+;+?_
C8CNM#,5;N\LIX9H5S 7^X5\VB-'Y^ MG&&EBS3H;.*56NYWY;KUZ3SIR/W2"[3W\$=7+*&
TID6,2>813\$@D,\$V30;W\ M\M1C-/4DM>KG<3Y+4WMSBE7S_4O=|U"7>;Z\7Y6/4C9MN-
&|>KY&;XHU&N4K M=S I9L;#O%#;J9H>;ZAA;N?3?M;|>S?VW+!|5U|&+'\$9R3%L9 1)IY'.0MS'L,D
MBF2BSJA!;G=*/4IJZMB\$C=J0N@*1^S:<5|VAJ6-F@5H61\8O#&!I>\$IR@I#E MC9Y|<.P/2"?
E=G4@.DYHW@/028%?"A.OS%. 4#PT^;QFS+=&B=9;JUG@N0^ MCW*PF"0FH06V'W!">
(4AR6R54K\L-\$YNTX/BCHB\BPT^?YT_N^36T(7 % +6.6:4*I MJ&2*,Q*J11I& 681YSB\RPB42\CR"J
<)#;U/LS\$&LX<"\Y,IOH&IK)J# MB>6Y9!@U.V?EV5B,|\$|^>XVX&C2\CV2@Q(Z=D(>IO4J?
L=|L8^Y&H=?&K?&MO\T=C \$))\37^ _;M6Z.1Y"+C.?,Q)U RF@@/4R(!&0\Z &5"HL>WT/
M4)MXC>|JZ^!ZG>+=D;|L_ |#9L;0G0%BM|#/P6)\$ \$V\#&9WU\ZB-7,+;P.Q M7W;P-
GGIW/Y#A_J\$OWV\$@B>7.5Q9\|L242_(!^S/%5&.-I4@!|CJ.49!R MD41Y;I?
H/H(+FW4P*A6^WXGG8'='|^@=K('F# SM3\$OB);G=Q/T=)\$F\8#. MRY^GR9\$U_-Z;'YES\|L-
D;PA.MXLR7ZH<5KL@O/MW5;?KGZ1FS_7E:0K""O= M%|;^7;E**,'=GI4)92&C"<-
AG!&H8IGBE&4Q3G(1DH0G62B)G0JS96%R_05E M|I<|M"-
HEY#T\U=;@+.RPI#H0\4XZ(=KK&G8S138EE);7MI?O/D\$LOHX? M!)1|+0?8IN?94\$|^P182>Z#.7
4FE7NOQUB8'&DT;_*SJK.QX#S79;/'&:?(M/A;K8B,_0ZVX3^N-
^A0+|3\$U8PN\|H4_RW=K&V!7\A1/#Z>[DD,H_#LH" MDW&.B4R4028S@8.4IHD(XT"99S8GLE%
<3^Q2&VR=ZA!+,Q4U.4)V>JIA!VM^ MT)ZAI EK90I?UYJ"|^KRU4<6*+WZ
M8;NXDK+Z02JW\Q_7^X.*8?39P! 3;Y&6,@+22-->H(IEN5F7&\;WZ<@&-8?
M#J6WTQ!#&@CNN)F,HXZ@HM^%Q9PM",Q"N'X-FIOC(8T^SRAGT>"I>^))"5\$ M8I*G,2;Y9B2),!1.P
3U#;I%4XV=|A)UZ9%|^&?;C^9GG^>"J_X>EBM%26
M9X>F4NA?267EO!|\$5S9\4'G|=J/RC8"YO\|%/VE91WQ\6/906'M?U1|FF& MS@54;(9BX+!
|=KMJ\$|B|\$.*0Q\$DN,\$^)\$ ^"6G1",IPD4*8PXB*.C<*1'/S\$ M2HOY70J?T.FN1ME%Y#.40//@(;YK6#7<
^O-9? 4Q+Y; K\$*&XT_5(^Q\$2 MVJ^PY\ M20\;IN\1CLN+1S0KI WK^0\PR,J^|/%\$KP1A|PD
F8D+KGZ+FC MK3>[F1HYIP7^>96_5=G;..*0'FY6I7?NY;0X\$-0!'H/;&KO!|F@1C#*
<"*YL/RDS3\$,18,YDF 4)CW*[HKC' M",U|'\XNE7C4.C;S\$07-CM">-D/_?
F_85@TURZ\Y;A93PIZX;G_Y+AE M.|04\HO<7;0VIES+U!+5BW<(\$@PB4F&TSC-<\$Z549E1%G&?
V=U)F9"= _!ZJ M:=W,G\1N7BD&|/%:S\$8)F*|LU*G:KW*"3-=S<*30\$2=/L,4(IT@!&)&?5!C8@ M/-
<.5N^_K^(\$*F>9A'&41&&.8S^DT!1-8"8R=;KD:4Q#CR1I9:1A\WS@J0^' M7=DBH&5?
G\$F+/KR\$SQ'(|F;R3*JYE*?)\/*+.F!9J^LU&? 4#&E)W^W\|E\ MD^NBK+Z4ZK'DA X_U?56BHO-
>W5L*K=J|/*5N^W\N^*^E9P)|A&%D0R(%D6 M0598\JO-
DPJ<^2+!7ASDF9^07'*(CQ)#Q+\$R\N/Y&/\$\7DH02DQNHKJ&9@2S. M>W765+^B;:RZVCJR|+D!?
M6>BEG<%INOUEJY6CO YTKZ@JWE<\DT)1|)|G<-+,%0DXT9H M(D9.\VFWs_239Z=
(&GZ09DA/PP(U/*&+>JX0M%)3YEB(L(L20B6L9\ E&"0^U9W;D/\$IC;/=J111WND;V40 M;,-
#F"L<+*VZ,1".)IP6C9G+1(&2,W<\$.&TT";'QB\W91/^ ^L|#P;|LN
M*04(AX(9\B7H5KBN3(B,OD);8RBR+BI\ZT*BA@3GKB! ? G;| ^7S&38;ZP2&0>(0^W1_73)5L7-
KF1CAUDO26! *17(4A).M1\$#E/ MM+3CXI62+4=!=3SAK>@=V&X,O=(RK,8BY@Q3&0<8>;KDU68
M>\$ \$42R9H;M4I?YKJA>5U/OPX\7&RK_># M>GO7;L)+\$OLDS-7YAO@TQH03@3/*B/J7Q\,L>.
(Y>,9B=&NVBDGX0SG\OFH.7<"G\2*SF+SP?QN%/9 MP=CC%&|;#
|>^+G5UKDK^0:M_2%TV=^ ^C6J9I0+TLI3@)|@Q'3E;8YE&;9C1 M_-G@>HG;>8Z,Z\$|N;
H2OI^%_0S6Z;@BEV88FFDZ=|B,4F4=>8C5;|E>PYZ M+FAW6LI*8D=JR(SFK'K&"H;GBL3N9?
M(IYTJ^B;KAX+OZK@*95%#B3H_24_D M2B|P;..HH\$H-"UC\$/'/"%CH^B_1H3&U#|C;DC;QI
<@R5X97N2%;|= ?U2S!\$! M.T>_ N.C'
=RCPNYV54&K79^H KU,VUNZ0;5VWOX?;T#QN3Z%BI%USH72CVB MMN5_J='_
JF0*O_NJ%#N^T0_6'99U"YR,WH#|Y;?E!5/KI\4;JIA;NOW=HS4^;=P)T\$ZPX-M(C:QSO\4)\5?R M5EO
\$T2V,< M"#^+I(RB*,R7FW)#5V;ZQ98!*Q6S8-B\3Q+7Z;|I&=N7<#4&EPS13,E9+;Z
MQJ'JGV\$&OGUICY\$PN"K^84M^WO(@A%Y44\DI#CCU%\$7W/@?Q>;VW;;>E'>R
MTC5,+M9BYZ/2>F|_*^U^+.^EF(*>HAD,L9@SEOF4!E9*T"5S M4|=+|<)
|9+TH\G3UX5SSUIE OFCDD&^YVG;4W)?A!H!SH2I<#06_ =|0(R_+K" MH%2+.NYXZ61J\4Z?
KMS|5@)59E2S;/_BG\$BEIV9PG. MY6#L\$M1CYV;G_.QT>UUMEG_0\7=JYU3J>4Y;Z1\$6;>;L/GZZ
0@87,(Y_F M@9\1(W_)^ M.=XL*_H&-VR.O\ R*M^!8^L*BF^0?OJ_PN7\$9?;3;V6)UQ7+^V>Y'R,I=|
H7_<=BTU'\P7ZF_>;Y^LB! ?JN\KT)O87GZ?_M"AJH TBYEP,J%70% M!L*F0 &QS#XY,2\AP*#@?
28H5'@(3CZ68Y9\$>1Z&(-9&"@%9E5KR=W,C*JR M=/44\1;J\J9.X3.SWMQ!8J<=|UA\;|Y
37J!+@W0L(^T,|+258C%+,%Y8RN, M!'\15&'VEGU9^B8%\$;4H^RB\9W\|H=<9\$KBE+)-
)2O=VH\$^O?-F5UQPW: MLX/V_(PI&!)WO#RGQ8W.U5@|D\$! ?#03&J.KXEJ=D*YH^#H%|#?
^0(XVRZ MW\ M2?"|6JTIWH\10JK7 ZCY%023Z/S5+/_3+|ABG'L!G(" *&=^0#!-@|Q+
M?'4DLEFW;\$QY8DW3\WA5\ B/*-MH#J6923\$)0'8JH6-A@3HFGG8(V_!/@_A
M96UI6.ONR.@PISNK_6\$-QW-3Q'X YSV\OLC_-O*|U\$LR\N(HC(3!U%)Q,

MPD0\$/DN3E%CE_PZ3FUIQM"XH. B^<#.6-;WG0/8&0F5IU)[>+=CWE+?|R|+VX M;,\$[6\$W+Z+F1
[&=I-J83W**Q6/AM^|CW=^4*E&Q%5U=-I59\$(5^P'&4@NM760G*9D@| |>1'_H1HXE=9-5A,M,?T#11
M.RUS ADS6^%|>>TTS4Y4|ZO,3"1W_9(\$9F|*_*H=Z'P|/3)"")Q(?Q(MSH##"QLP
3YNA1|,T5|D\$=_WU9%+0IN\$15^!MZGCV'3HVBG M #M^M,IK^|'|"/QN>T!.FT%Y;MGQ-
#JCY*6|Z8\$Q*0|ZIO=6D"|+|*C5.;S M !XXB8X<>+9SZGF"JT^Q9XTTSIK^6M3_ ^"P?Y.K?BIO;-
DI11C&E+/.Q,H9S M: 7)<.H1@F7NI5XH2,B(42N< 1H3*WX@9-GL|0 .9N;KF=+9*60@AC2U|0)Z
M\$|0;'Y#56?' Q3F; >IX7,07_1P"AW9RC'/U>*8A>|O+5GR0V\$Q(0&>8*%
M1|0YE:829PF1F%,OSF5&?9)FQ5H0'/B%;GGH)^N9|G"TO YLS7K& ^|_7P8 MBDF3-
RSD==6|T8#BO*T;S2%XT;G1XM7)^M7|^W;UJ/Z>MGL3C|RK^?;N6NV9UT6|!U:/J M ^;;5G6I2:NZ?
Z?JW|5CVZRN>7O:3G7/)OCT87'R.;-TEEGW3|.H FO3M:E| M|JKS+G7CP9VK2=T.Y%E|U!W&Y?P6=
<-&=DZU|T6>T2#NB,#G5%G'6I1+*.4 MB(Q'4/S*5R>|.XP#1*.4^)+0:(TX<*W"7?:C3Q'9!-;41:6?
VIM9AZ.D MLE.6FL3"<>F7%WR|+(BNQYV_!|?G(-%SY|8)^6^A7* %|*JEJ%(EB0! MSEC(/%"BJD(
^PE7D|4^B"Q9^3U>#+|J#'=|1:TIX+|J#X7&MFKJ%/X%M UW MTZ|FBU|07|_?S4EW|<>=6^O;|?%;)J
M*CC*JZ|J>C=OI#.DK P2X,@P)%'U"F\$>C|.LBD'L"O!52-J*OT\$P:F7
M4TN^K0,*J:B;@04J=RO87J&?0M!L1W*)B^52|!|I2:.K#I+|TY#87VP;RNGJ MXOH4N7DOI@V0%?
W'Q;/J>?4|DEW+|=;N2OL1:5G<*JHT4YOF-OX\$87L#.;+|;M6;BH|^"T=9
MBB>E')60>'S4V7(/3PK63S_|_|"U!?!KZE_!|2|&L_@?3^L U%"W0VO1 M=30/6T|'GL>3Z6/\$PI:|X
A2UF>*>.6Y%|*A3)MC?V#8QB8VCT8D|!S#Q9K MD|EHW7YK@300K7M\$ 36"C ;M0+X+50(!-?
A=UG_19EORQV?L2|&GXQ"UXTG|10\$!AR)HX:=S8|XCM|! ^)9XXSU(M9U66F?RWM9|ZK0Z?..
MB|7|M)%W|3(->9H)\$F#_TO"3G*O_)@|C3_0)SD-B8B\$7=?&07H3;S -|05J M'74|!#M!P
/23%C6US|H:E|TADPMD|+|S 9X= TDM29FW.8VLS.3R/17|I\$ MS5X;IP*J&;
(;|^HS/O6|S+NH|E_>&'KP4#67Q5(^!V4B!+N/=|.VS0Z#F M_U-N4<>N.^4X Z:.%.N4G,ZJE&>
+E"GX/D*+@E2R_R/+BX4;?S;XK|^XO M|C86;L&#|_|_@%;SZ<(F^J/I=M"?
ZYFH9Z,MUW9;XTD'Y5L|!PV@8^0;|/L+> M-7@^|K:NP4\$AQWH&#P|ZIV-P4*QG?
L'A9|FAN&/(9=_K44@X:W%M1WWF M;M:CH'G9N'K<;|;?Z_BZE?)2|6-/Y:BR_TSB@K87B\$J6T
1<|):Q|0|/3F M|D9&NV7>HXDZH@MU^A#%0R&V:I#IT?<
M^G4YGO_+ZGVY99M|N^KJ;>Q;+;V7T/86C@%?Y.8R;|E#8W-?<.DG\$<>2^R\$F MD128QE!H-
_XR&0O)N)^9;?4.N)E|V|0?|^V7>(A14#^@/_QJ_ RYR%FT" ^ MVNJ%|;TJ|U=;|S?
>Y|&%R|S8#QN#NXCC'M@.I80|NZ.KW.7WONH|0>W&SN M&9P;XMKN?DP/RM!7*=-|
|Z|5/U4|YFHDNAE1O^?JC"_U8|H89OMHRV|35?N| MU\$Y%^5"4VWKUB/|MK6Z48:C6@Z-
D<\$>H#MWRG4EAO@L_U|N?MS-*2+VM;| MZLM)%
4)"7V<|SC")&4>3EF0J>.EQT+FBS@B?'PAZYFJ5O|Z>EV>VV/UO,ZUJC3JRJ%|UPW'
IP:*UL*WV8I^V2\$<) M8|>@/J|WZ|S\$N-9>#'-C;Y0XX|RVZUN)*JC5H?81:'H 'LF2%SKZ3|<"KNCW
M>@MUJ?B*%G?ZJ*+K_\$BPQ%@AU-LW_#KFM_*^G('N|P(")M7|V-F/I;7M| ML^?E'|
<9,&^W=;|&6=?VNO&0|ZVF%8RCFS5T|XDU%07>4%W|:HO^|MH;A_ MIW|ZC6^AU3?
T\$9\$""J4G41Q\$-\$EPDG.)"1@_&1\$0<2OB-(P(4|=QFP"&B?B<
M.'BAN4K*E8IN.XBI::|+T5Y6VED&4|V4F6GQ\$^!OITH|AE&/XP7;XSZ3?5
MW#JV%VAOVNB"E|W*)"WSCJOI3XRO(T-I*BYGM;0FAOJYJ38U.7M;3^?;|_& M:C (B>AJQ=/ "PE39|7
S|31+" X"Y4AZ;|%&&?,3/Q;K)7C*5(V:W|4\$|?& M6U3KBB_ *E\$?>4'8EO;G"Z M@F&
<#3H;#BN3TD3& 2MS|/79#5|3(?JVJ-'SIFKJ8_"9_4>|RWL.C?@DHL@ MASS?
PIX7A9C\$C.#4"J3YU6=A*F3 :_L?SOC.9G|S155=^1Z) 6AA_."4I/ M'JG@^|*_| M9?;D4:TW*+W!?"
M(+%D7UF@5M0NU1=827"RVU_:%IK+^A=|?^I/3W MO6*AB8W9DY#_!>%@|1;4/M#Z|XTOU+?
>W%/5|!"RCS|ALE;8|TWK|;9A|1: M4'?PFSNUJ=UM|HK?WM|')AQ'J/T(|KJGS|^1/HK'I'>?
>VC|V=2|U|2|MW>|MPY/RA^1;M;'H&G UJK>0F@Q&8+V%|'ZY0'<4,O37S0| F\$Z7 BD9#%H(Q|Y;
M5M0^J|TIKR1&N@F0W_|'.E6L'"^V6Y_K6+HMAQL@W4T;PS:5Y5?S' LH6 M-
_5356Y0:AOLZ\$KO_O6M5_);|D=|;6'-0US?CL>9K VWUW73D!8;G1%&)MR.(>%MZHG;AK
MMRD=%|5IZ9M|J4;%P|X><;PUT&|^I&OPP:FYE/L|T@4GWS^(?2SZ7XM'Z0 M;8
GLZ4: C7AU5OUSJ8+_ /ZTU%/ZB-8O/XC:X@^"I J2%.98I*!|_ B7#* MH@Q|_ OBG @ILL32+>*2OWF<)?
O-6+V)-7N;VF<+X 9+S0ZJ@1|SFSI+)VV M;F<'W4&V_""&E91PROL;M>W87L_JBW|_&7P@SZ?
B=M"6.6Q!=%:1UPI2|96N= OFBN*W; MT4_GYHOOD?9>6Y;1A|=|O(- 8ZK)G|VL?M_C<"E!=M
<>;8/(ZOE M?VT5K0|ZC^@^"J^7X.=>QFD2"!%F\$40|R\$YPVEHU T5A.9AFDN(^|JOG^\$
MTM0VVHXNTH21-AW^;FA;EE@|CL;A;>4" TMS:9SX(XKKGQ#-657|8W1F+J=_M0MR7=?1/O3!N
5_M_5|*|(@UP+.C7?E^ML&;|X@^"Z_@306.?0%GL|S#&?4|
M+";6T20/XX0S.WMAF.#D%L(|6M|BT5%N;MT@4N665O*V7"G@+#+,\$3P|HMK =
M@#)J=>^ELHPN&R+LJ\$="J|_DA F@MW;JU_6D<+ _@2Q65>|F>#|E|HA6R;; M_L)=(WB*U_ :F)S8KH
%Y-Y|S?^J|_ST(M%N)=541H>>:'SNEV,0#/'6\$? M/7'+W8A)TDJ">*|C7UA\$@\$S>|_MASK)
(V*O9W+R;2;Q)Z)A2Z-9MTZ|2R0AW7|G-#97G;;H6;5F=&%R&VUB7Q?LB3.6\$@C+|B/4E#AJD?
A#B*:EU*C#U7EL3R>-_%4-U2| MY SKNK9CX#4S0Z<'S4XQM?R@EB%=T7!|^CS!;Q|M65+
V%&;QK.?G5;|_8, M: R5O1W#Q-S5;|| ZD 1W'&LXJ9_ |S14WCQ|^0/5TV=940|POUNLM77V5
M#W*JE4>^P3|'5':BOD93I4|A6.FLCA(@C0*C<|GQA2GCB)N2|= _WE!
MLE\$&XO\$I*YY>QE&-5,0>0CUZ%#5<&<>TF8&|I"VF@0T.174D4@YP(KJX|^*
|D'(NG,QIDM1,Y*K'|LF|V+XZR^KLO1 ME;R^PT5 MNR"QGZ7"PTPF"2;>G^";!@+'
0G|/12|AFM72NJ\$Z_D/M'6UV\$5F&"X&F' MT"2XV*WP\$9|8.8"L13S#VV_..S;7CK7X?
3^_DJ0ND\$M7GCE,Q\$?Q&M9/C;;)U>E5J1|;;@ M2|)(?+V265 MI3|)+JOB!C)Z|A6LR'_4|JU4>?
U2_KS<>B5I87_?J92G6L"6F"XSR_,\$EX MCM<_LR|P(M#SQ=>&ME8/&=Q;I&.1)0V4A;GH?0|C;|HD-
SNUL|H|W?U M0;K(C^J=!=HSN4":3?W'G374Q)%!!BWPJO_FSA1R@IDC8^@|7F8UAYS JMP@
MF@:O5B|8F;|V7S_R|8O;DH MWRPS\$G@T#'.<4Z%.AE'(.249Q3P10>A'B8@RJPH\$_|M7?

Y50TDH8PQ1*O_MN>Y*K>J(YKHY,\$EU9((*)O06#&.H60/VLOUKVX"V5U.MIG*_LFFT\$ZQ7H MM-
YOKV96#R;*&.^|31 O:C,OY=C%I(.A9G_ZMAVZ%V;\$>2)X|1=I3D+8/GWJO!GY0I_T^9\$6%10MEI?
Y_I>Z1H:P@"CH"&41,%,|SD#>|<-OI^?G0=TJ9,D96@/A3.73F"W4 MR1D<_3
H=X..*+C>N|1|P%\$Z@>Z4IJZ*5HK1:J0BL<#DF1>@KTL\$9C0@&&:MY0)+%N6I3V+((CQ&?U.@>|?
HX#P>8P,K^MI7(KOI-436NY:+FJ|+>500#:R(9C:ADV,^ABT481S@->(1E*O(\$S\$-S%H" MCZ
|1U11QJU.1*UM4DX!E\$S=|\$.E>\$XV"R/I8/D)81=K&|JS'I-'0/+|
MN#MFB+,2%^BNBK8%@A"OM&N_M5^2BK/^B&WQ;KFR=,Q)CEJ'O^QX-(DOX MFF&2>A%F!*Z-
LB"-&)41\$5:>T/&L3*QN6BIML8=-,;KKMZU_\$.WX|U#H|(: MQX!OIHKF@=3V(JD-
-,)MCF:'5^H8^S)0PMTM4_):A^5|: ^TY|4KZK#FX/FX MNJL:E09Z;D).O^@_E376RF6:<:R.,L"G/E1
M#?'D1"D|D2FS*HF|)-"*2:N X..DIM9H'6%4 ^5%D|_3HT(3UQD_S6|LTWP& ML#_36&X0L5-(>S"^6
T9%#%UV\$|LY.RN:IE=IS0O'7,3@K|HH;9Z3?L0S'69I"DH_&8D|G&>QGT2<1E%(3)-|7@X_
MM5.H65=YN4 \$.,K|GSQ+%U#A|)99>(<%^",E)L#@|Z66W-Q8F7HKJFTCL=L@1*)KMG--
B8|>.&UX6;=-4S3|>+<\$'4=V/1B0 M9|W=C@?T38|@H%9M^?Q #W?ML|8Z8S,/1C^_F_CS>CJJJP+
|2 IO'5IS\$/. M\$X|[*":8Y\$& &57;/1=>*) (LD7\$46?*OG2_ZL;|9L0!'X|T3J_-BM!/4"\$|S M/>0;)3O-
XP"@<7E_AA*|3/X|17+^#|\$!#\$ ZF_9J^_W|-K6.'=!\$EN.RNV|Q5 M'H91\$&<|;
(X^YV&|%I(-6M7.DVSQ2)UEW:ULU#|^HE M1VV7!P4=N.(|_
YLE|6#;:/>O984OZ/ J5N^XD%.HVC1!D9'\$>13'.4T|BDB4Q3G.A<.,B%F1)F*IE;^?V-Z(|1KOR-
MZ^_TP.W7W M.T?"UO??E'3MK65AT"6LNW?|6LCJ|!"S"C.O/%@!44+V)|%X?|\$FZSE<%
MW|R5F^|2KK|NU<@4(C'^_\$.=%E3FF8S)6.J.MHD)^4V<6G>N_*QPDDS#* NP'
M08A)JOZ3900BKT+NY4\$0AR(U#V8|AY6IKR):YE#+^6K9TT5W6@;UOUL6D>81
M|9BT">X|:T9.'W3FP|GR3N1,B\$<%Z^RVM(|?=_P_TKK3+|32C1|
M##ZMZTVU;5I^P4'W^I:N+^|U>_|76AN(3^LFX>VZW_#5+OMCF5_)ON|<>OYL M3KL_ OS#;=Y&!
(:2|_35J?24UQ%CXHU_\$.T.W8%|@_57DNARIM2;FT| M-UT #=#+)"P|<;W2_!NZ|7_Z6;6|&
!FL>86|25"/9' X=9_KKNMU'(M4",9 MZHF&&I_=1@F'6ND6D)\$|TN\$;"1>|?
#N'EPZO.C^NKC%>1XAY+T9>=;)>7+6| M+C>C_31YL8"" TL_C\$6>0KAY#G>Z4>3A+/5SG">4,
(_FL4?8|D%6K+1PQK2# MVRB?/@EC'03E,61769QNFKA52%Z">(A_N_I@|8GI4#%VMHR0U\$|_
@HC/FB"J M'U=; 4\$@5|##!%3N,|&_J)4\$8;SE;@6/?8)<*O4U.76|/)/E&WAN!HS
M@0|X2)X_;;*J|!WZUU#O|^W%(PB*=O#7IJ\$+ QBB?,XX)@\$682SS_-8)!D/
M,^\$%C%H%60R3F|C|^UQLBIO&+/A#K4|U@#|=9T^H;;CC5QSYN0\$QB;+5|W MR-
@MZ6=TT:XF|P0W(F8R.BM;_DALYLJD)H*_#YJ|_8S+"N2\$|OU_|2;M|+
MNKC1U;PNZG^3XD:MB=X#73M0M1\$|L?D4SF"#)G.67G|C-
S:IDC^%YFF+D:V/Z"Z">"E=I/AFEJR3>ETM|JXH+. MRD)^GBQCUF@
_DS@M/8CW!;TS0,U02+R+@|E!WIB57FW^+(|+|.U|IKR2.@ MOX!?'Y+";-VI7X|<2SDR(HN^RN+G5*
|EMJ'9?00?;D=9|EN6_-):M@./%>VQ M E7@SU./1|!%T2|+=|\$?|4'D3MEWMZO'IK+
|E_)!BZ|Y0=^+S:T:4M?Q%8JG M-
5U!^B|@|HBX|Z&IV_9FJT97+V3F5RV6W'I:ZSI9M=.;&1^+HFE84:KWR5R/ MN*2R1,
|4FHZ!;==0MDAZ>;*1P& U=,E@/.=J4T3M#^%#=#+(\$@X_2,GH<|^:
MS|U/SR8@YZ&HX9R9EQ7:0+^\$.=U)7D(4>H2&(J.X",(\$DXA1G'\$J<,A9ED: ^
MS#;HVP MNR^D!ZO;+;61|+SI@H+AH_ZU000*'I'.1C?(F;HGSL;#UB_1|5?I M>JRB-
RU1AQVP3XCEM(/*2RJOT!WEJ*B'.Y|C2|UM>=.Q@:72^C) UY M'H682Q;J5>Q*#&8>8,%B0D(_25.?
C:@YAC^G|*G@0BRDSIO9|K09|W=*\$^12?A|S3'I! MF!D=C5|1AJG=EFT_*GUP!M;+F|5227?
WY5H|T-39=G=K^6;ENY^UM=Y'FV?S M?@(V!LO/
|&CC"/C9G5M;\$O#*>JONGC6Q^|(|7>TDB;60."OUQGO;_E^|HYZ MKJ;
(02<^9ZR<>|V|I00&Z:HIPKUDH; >21.U2?E|SXHS#V?4BW#*PE2&3,K(-MK ?
Y*4+SW8>M6|J(:L)C|!>X61|935>^K\$W4: P6|DOAB4_XUKIL%C;XN>
MD7FE2Z##PAZ_VSGR_+DKMDDI7N9"2|E%,L\$4GX9R3_3>81Y+\$2H3\$P>1,3&
MJ_2RK<|87VI#E7|A_UB38AI05O?PL'T9UM3V1\$F? S|+-8;950RR_-LA|3F:LE
MF/F<|C%#B(T9F'@+A07;_7G2|SJ*8O.K\$W?1"5C'.I#<@>7"103H=>SL_@0_MH3?
O6BRG.+>,A64R)|0)|J_LEC(#Y|2CRG"<<8H)FO6JQ|6?9GPA:GO>;E5/*PAW8G54,<% MVO;90/<(
Z%M">|W*Q?;U^|W*^E.LFL5"GX-0ZJ;_=-!OZGSS MGW(#3_^LH>MJHP(-EE7|*WC.7Q)*B)=2AD,)U=
|T9|<_D*CO|L|72ZD#O;_F9F2M;=YW4FYOD&|DIV\$6<(|E!);@BC&*0VD,KK#/_L8 MS;PP-
?"N61J|L_=??>T|3P\$7|J|M6S>|36=<1_P0&.%KKKG>Q(&'GM_6F/M4WV-WN?U%2;"/-KY-
29D7!ST|:ULS|;M'1+\$);Q/K@*|!"Q^JH5HW_:9JT/NV M3\$;
|E3>0""*3^!)\$.2&QUAG+=FU|U)|X3W%\$M5M?S;_@2V1&I&3LCNP7G:8-D MQV_|2|JR/56=E?
7X+'ZCV)SVS7P^/"C3:(+|OZ/W%-?RQ9YJ5^DC%UBDLR M3+(HPY11'T=>S!?'YDPRS|79,W#Y"=0-
MG) M;_>+
(#;5YTG.F/%+|HOV<,C:U7:C_0"='WM7Q*,|^*_K0K1AF8J!7.98XS+V%L=H">\$#W+ZSX7P)W3*LY&?/=
M-J&Q21QI4Z#W4:FF<|!POH(01XS|1/"44V99%?\$@G>E/Q\$UR M5Q?2*4*X1*ZNJ_*YS?=A#%"I1X';M)-
|P,Z<_##R%(\$AW\$U4S(.T+)|3)CN@_M6HK|SK=P&_2E7)>|7TR3*3 GTEF0G9^)|1'\$J6|H3\$
95650J&R4VL M;8 XZE%?0!FNCH\$39VQMU!8K?4ST'#>EF;">EH=9|@_NLB-QA^5HW M2,O>I_9IG9?
5G3|!%7\$M^NRY7Y\$|=)+8L%IS+%DL<0D_M2%/(L)PFDN?^G\$0B-RHXJD-T:F-
@&M|H6|A#3=&Z|1#;PH;+?V'0=HSP)Z MRH;_I9D"(7,7TQ1(C?;@'4&L>
(J8_J;4+SGT:FMB)76!QC5=K1Z1D |RI4PF M@>HRWWP|I/F5BG;HH9,8B1717-+ :|Q>E|LZ*KX|I;H!
97_5@K&Q05=_?_M97W#C;I*%|[#%N|!3Y/Q4+,YDFR%Z_N)K-|=>_)Z4/-5H_414;^|HOE|&
MG"5)P#TL@AQ*T?LI3F,68R_UA3+^1|H5N6F7Y*8^O+A27&WHB.OO^@FG\$D' M)=F77'D!E>DYZAP
+/5L)ZTFAH6BYO|)=P29T>C%P1F/A4=\$_#E@>CHD^6 MXL=B316/GR55WWM!6;\$J-
H|0)J:IPMESR#1/%G1U5=8Z>/C#CPTX990F_US4 MFV5.B.KUEUJ7.XGZM@|P3LC|1?ME".N.S?E7?

JB10DZ+VLE ER4I/&[^@^J MK"H@ "F6RJ+*" \$T9|N)\$F56\$,4PA?U#X<09)A5\$>&Q4CLJ(ZL<9M^(
%RW>< MH'M@!=VWO)B?YLRA/W@G00@.ZVWQV;/!)=0&UU@%L0Q3B3Q0S_)2!KXIH::*=&IPYLT
M&VC'!VH90<) E80!&)NA!B#>=I4FP(B.W5BB,Z(YCK&,)F;E/-C MLC+1;4>L-",AYK-0+,5KF^?
6;_K)\$)K"2E)0912G/HBP23C*#=1%F/B^Q&/ M*1\$!,2H5<&3!B0VM)LJZ>!:7=59LU;B8J!CEFFJR *H
Z=>-6#*,%#J#/(E MJ|PI:ABL%R<.(9ATK0RA=M_(\$RFD'U'LQ9Z NSJU#"GU<)>3T-N[%0R
MH#>QF;+GH)Z D6Q!TH=GJL|@KT_(Y'1P\$, %C@,V"0FH|QFCEB(U+=;\$,%X;9X2|W=,%
M6M:USOML'/F?=ZG!(>>14H49EIP'F(@DP33//\$RXY^5)*CP6&1W;3(A-K=[M).M_M;-!*B\$R,U%
<"6ZG|SJJ\$?6<=JTC8".+)9!4K.:+R9"/I=EC-XYLP/G MQ79SJYN'7/PHZB4C 24T8=C+98Z)%Z:8I4&F?
2S.\$S|(.I'=)EZ3F;BY=OK
MJ/COVZJH1<&;KQEH6X83',)I+!OK02V9XY1@H|O)GE0+M>I))>2>9U6D@<% M/=I)\O#38PLJ=?
&&X(A=BZ|R!=UH(?80_O>IC3R|+M^K7_M+Z>6Q1Y(8,TY#
M3%@:X90+#W.:!5Y"N>|GH5TM)1ORDY|>LSH4W3+C@Y<;BN9=BQ!O3-@RK;F
MDA7<9GI@.A!MSS0N!1M18VD,#,|*UD1G|FRTAA@7A95&C7*R+K?ASN*796K M@C|N4Y%&C
F&N0R5&2\$3B(#,)913KB?M!P,ST MB#,8|-3&40307PUI="U_-
!;|4G_PZ&5822MJVK.@|3F+;YL(O:+6LE&+XW) M&#-
H(ANUV/U8J6G5?;:#T*K;R)!%V1<<\$Q!23'E/(&2_3&->)RG262>2W8N
M.U.KBZ|!K"YF*)N%TIUSU/W*2S;N5>S<-K;B^VHPXV;1M8X&^HT^N>R07;
ML8F>C# \$K|C;9;W/.P=B|N+GFPC*1S15T@REN9Q.9.?G-%2!/T^*K9"BN.TL)768ZKUN7GBVNG MFT|
(>QJBS'B9#TMVP!|*L)? MIGSX7^K%U@CD8F_|1ENE@4Z+\$JWX\$XLY?3D
M!B:|MN"7N1!0FL49#C/F81*P*2;^ODY(Z;L|UG-ZK=-0Z*?ZQ)EBG M7QQ9A02VK#80J?I>LLVU&N-
|!4T\$EUXL>,1#M>N'F=|8 5,'T>|!%V8||F7N M6?6C/D)GXG6OJ>(-A\$(\$W04"RNBOAK9M(=\$C2)FM=
?RVZW0101K6!|M2X\$. M"^JY.<1*0.6|AP6|44)SQ./VWMC|OUS>;V.O|&U_IBO_Y85I_6?|_"3P^@
M(@J9+|,)#2E\$68DBC#)J8>S@'+XC#R?;^/16:T=YL2G'@)-RR T|3NF#|W
MWAD!=MHUZA&NY6!1V!7Q?26V7. &A8UGYX50G0WXXKSM1P,-
JUPM_=@*T*CW%5Q5ZQH8BJH0K^ M7M3UMDE^;*)?8;.1HE ;:-+W|W(%6|8:<%MM' 6|V@
|X,8T&F8V1Z6-4'U7 M|5|XZRCW|>THE|>_VRZS_HC^N>_?AQWU9;RNY5%+/9|Z,,005,8FH(Q);
M|UA@*>&DE,B,AD;W6Q8T)U;Y+0=*Q91!%M!=PP,DZV@F|*PG\$R3-+"G'^-CI-MXC TT>H+U-
)'0,+,|=:%#6'_HXNBB2,D-V1X65"<58CS_*"YP:9S:OC|,5|
M614/=*/+LT,PCG;;*_Z;/KCX>/OX;U++'%\$@/@03*3BF+"28)RGU.(T#D5J%V|_'^L3;
M:T;|219O)"EN|5L/)Z6!| 9)|=,\$_Z<4V;G4%W,EK4;G1|X1|HX1L9G5>KS M3|CSO>\$5.'
0#_|NEE8W4)\$G8AY/_1PG"?\$PR0(4R|(U>D_|WU.U9^">'34 M=TMD8K7|_#;9-S3/B-WNH F#F,0QR7
LPTB9YTSBU), \$4Q(F89QR3M4^>2 K M5LX%3I^8,3SOG %BMK><*Z3=+O!TD_)>E|@^3-
AI@@O|TB|7A#Y,R\$'0!6? M/SM.+UUPOKW;ZDN*R|VMK
XT*P)5^GF7#!EE:1!\$2E.Q/\$TQ8>K(G(H0,D>C MF/B!ETC?
ZH|1EH&)|=D^!@J473/'"J!;WT3N>_556C^QL2'CL;?3_|B;J=
MCNAQ@C0KA|N==3;CYRDR5|>BX4C)6).?50&-!>>YAZ M"(9AU7"F<+:7'^9R&2_G
0D&H@C56|TB5?_8K|U#8|VR|:;\$Z%;4T",C'5Q% M?
5_6=|5|56|OFQ_4*!W?/GZC*_FEW+P'IZY*GTD|!NQS^'F;F=4"UK2/.V0!UWL+FS1P0,007U#>KS
MB/9,6GJFSID50U_33%A;>H_.A-EA<+)+H%QYB|YA95|_CP/07GAT7(PYIAH@ MAXK,|^JN6!; &/A*?;=
<:6O&?96.,EDPJ,DQ6E(.DRHB#-'F#H*)9+&892Q MA%D%6YN3GMP-KQE!?
4X0L(+VO)A9Z>=".;LGP(X6V>X*|Q&N,1MQ7?FTC8F M/+-+VA:0ERYEZO^J9M=8R'QXH3@*
(QB3+S(QS3))<|.(F\$C'T26YV;|FA-|Q15E%\$-I?H;|YO MGH_N;84>@ WT)EO\$GK?
PFO^A^I;JH1|MBBG|MQ3_&_F+(\$L6090N@C#2X7KJ M-VFPB\$-OH7#I O+@#^5>* &AM?,DW)?0U"?
T%@H|1|/|^G_#S_V_G?|EW"! M%-5|J8/(5H^&F> (FTVBF6AQ-CIUR:>?E6S,OFNX"|2@|_|5|6CQ7?;
*_W; M!|JTR"|Z0!N|_O;Z6#M6KVBUS>;RNZ+JF-G92N_TDS3Q?|@('C;1|ETF.4U_|MF9!G<92(+
(ZBPR0&ORR^3FGD"31CW;HVH #F%F>IO|! G;2|61((RX7STI MGK-
KUN.49KYM/2GRRTO7TZ_8YX2TIXRW31XC'# ^W=VKD2_S"|49WMUKKP;T M@?
)E4_'!YQ7JQ;@|C3Q=5M MP2W26%YCCH<5VS_!S(USO:1<;+_+
C4"@3>Y)Q+2C:YZ0B'HA|6)M1NA*:FX M^Q@^|3Z&OG0+L5#C8_|S=AGA'TDW|;XQ*,?
O9OQ"J5Z!5G:" SZ36XFBW1 MZ14A|^=-028;XPXMVG5=E|53UL5?6R*8I10Y5?)I3JMBR7S4TX(!)"%
(>1B MQ3FF0E(L_"3QX0Q#.+|BF1*VJB&-DNR>|,8@R9V0%F"B#L-NB&@WX7I=8/ MVK(!=;<89;
(VC+@|W-B*[NBD8TQVUF./+1C/ST#6|X^|@&6;;|!"035?*N'B@ MQ0I"|S^6%5S^|@+;?
J_*NOYSK;37"CR,NX!_F9<55')?1ED4Q3RD.,UR==0) M.=0Q|2E._#@0+(JISXTBPIQS-O\$A1I-'>_HZ(:?
^7SJZ4HK6SW0_:9WN;+ MLNUY@VW0GL<%VG&)%6W<1*|T0UX/3D@;
|_I0F@|XALX/+J^\$;|H|;8%5|S M7R@|AO/E?;-K F=S |RO56J|*J=*6O#\$,KAP/=|3#Q/X"SU ^QG_9\$|
(2FC5IGUKAB;RW^TT2PT MQ2SV3-CZKAU-AJFC>WZ(;WBFL,%VO&
(>DSVTOHY_+KW43T65VTYWF7?G2W MZ#ESNCMB;V8/O5LP7|KS'8|_MY5AC;=NX?
5^5WR%M5!C84BFO#?1-?TB3E M";EY43I2|EGOH1#K.48A*1%&=>&.(X
M9(3&+!;"6S4;/\$QFZM!\$1=11A9AQ7|;\$JX-P=S M_'=U8^9ZU>ZES^!_2RW|_X^">|
(VI<|:/%!A5"+|H;UJRZK MJZ!|24RSC.O9!299%SR\$9;+8+33.W6\$8FBV*,L#6EJ6O|@B-#4'M2F7\$!+
M>X\$T=840ZNB;ET88A&MXMW0)@MU&-UY^JQ(*)L*_JJD.:5YF_3"Z\$+;/6N3YP3TB.L">W&?
M_2A=6.VM*QAC=33^;G;|X_|HOR<8SC/-4|NK>2IY^M;,>|@%I%;& M|UD\$7|'2=0'4L%GKA,+
(QD7|5HKM2E|F1|JE?>X5@,CC* K|)(*_2_"\$F,N.8 M)3+\$E(=4^%\$D(F|5C=Z<|,1;6L<(f&8#|?
T^CRVR88&QF9-Z&N3LIBB'H-DW M2|*6WU7_)'/|!94L@;D19=K4'Q
M*;Z;8L/CNZDI:LJOTE|>5Z7|9+3^ME_@G;+JG%#BZRC|2H=,*|OL%>IHQ% M'!KR1#(AF-
TPY0F,4Y|RF*>BC2DR7(M;^_:_JJQM9XIHR^>ZSY|E^P9KP&
M@&9;58/N>G.CKM7GIFRB7P02DAUO|CG!C&0R"2-E=V&/_2A/'_N8L9Q@3E(O MB/P|HYG5E?

T4S%>^ZLYBZP=CYL!VJN.1ATW%ZU.PR_4R/?E%4AZS:")Y-Q M\$.5"X#"A2NNI?
S:JFJCZ0^J%J72JIGN44I3ARV<=A>U'#V.#(\$ZCJ&9UG*"MC'.?
ISDHULKGI,".%,MQ.K,JC9/B/E<(IUXX)1KSQ=VJ/2HR&5&.*+K+ZJ% M/R<)SKQ
XIR%04Q%D*2Y55|>(ZHS*8'=J8GZJVVL:B/PC.T4MY"9R6:%Q2FU9462+Y-3C&M)6C+NNV_PSGI8T
M\$01'D1=A\$BAMD5%E*R2<^%D>QRR-\$QI=84!S:K>3YD!M>| #6.(=%TV!P3,< MTB9XFJD-
QRA9>JA< &2M-"Q\$=J0R3"C.JC L('BN+FQ>:'JY3QCX6:JF!5WU&A-"R'=|^\$^MN9R\$E M!8YR)
(/,\$S8ZF<<9P)H/ MSZ2?9U%FHU5<,<C>UWZ4CW.\H.O(\XG1.S#33:R%MI)&@FRMM*9 PY%V<|K:
MK&IP"E"?ZM):.(Q.D848VOI+N9' SN=2L=94FH\$""703(?43CW&1X3P6'!&M)69)YJM_14E&
(J4RA95WVI3PQ JQ8T.WPH%:(YH/70&JQ7Q)@_9LG6&?&2-M MI@JGP,|.S4T"W9A!6"L;N|X|;I<
ME3>/7XN:VTUJ13=*JTFAR/ZYOF|_V#_49HWI7'? "OPGS LPR1,./H33.(MS:
(13M+8R%U/BN3NY):YO2"XE#!:/C0/^N8I80XHW M&>N_^3))I72-L\$UT#L_*|V-PBL9O_8I8
MM. "G@-05H "7"2W#R_0%@HBWM'J'U"OH9:K%21IE+DRPU"N_E53M47!F_ =5 M*:9S\$UFVVK#&"B
M';/N#ZIHJEIS">4WNG\$>9#,0/+622N_%8@T2IH>23O?R7>FNGXU|_J0!%C8 MHW/HIGR0U;JK^
B_*,^09:6D)H-DW;?=4R3J;GC?E46&_U(IR| "D7W.NJ* MCU#
<2002%7G1D%S1/XM&_W_>U'IXUK/I\$9|" 5L_+3Y".HMOU7_5G|9EP|M MCT\$
GA>**S4H1U0|0(F8/ASKNL|3SFX|?B+7B-WU@(#F.^9Y@H|!&DV/7.^X6W6_|^L;N+YLEUM3F2V_DH
GO^|T"Q#%DM&M).5>))46DA|/-AS'(1Q2/*(!|^\$^ZE|4.?S X<_E\$Z|L9^)^7(O_%S|0,^_@S|_#J=.:\$9AUK
MWI_E,>P%U#W_>|UI?"UE(LNNZE_0;EA:/&K6R@F>SE7:!.GE1*S#2\$L.6 MW@^@=9@/H--
H:M,JY|!TESN'X&B8|X>W|JWD863RPH*U9-3>^UT!\$'M^5* MO5|W/%XPQ2/EFV4JHR
(|@PG89IC\$OM":;L>5'9(-)2Y|XE5N44#0E/?\$+| M_.GB|:/?GZX??
B&+KZ|1|^N+|_JGW^|/_S^PI=O_X(^_I_?KK^3|LZBZ:(MFNU#4^!DMU?T_-
"^JE;O_|51=EF/T5)85Q4:3>0)JTA\$0IH3ZXJO MV|I|6CV"G0QUW?
KEW,9FPP_#:&B|N@?'TL#LY<\$_!P:29/5IMM-4V9&B.T^! M'Z;Z2OGO1E <3WXW>_WG:2|
|<0>7|DL_HC+C@BH;1F:8<*5|TCS(<9"\$HEY MDE)F9,./S_K4,=7_M\$UEVYDUN5G_6>?+|B;^U=J\$-
J+|M_ S|<_UOY;^+G* MT9|_3?R436.?3LM/T"^V9>B?L&RM#="OT27V&0P+-MQ-
E^GG9,ZYYD7+K0|Q/#ZBK%S#%WAZ:C
M30/MB|2UB^QVB*12!33+R48YK3!\$L6)!YCE/NQ966NIP0F3R7HR-F6HGB&@YFM
M<8YTMZ\$CM(\$C?;B>&L9,2SX6>N#G%8N)>%(X|_ (L4F^*.RC^G^|N@'?_MV%>8Z&
(Z,QFEL3ICY*%(,D8Q5D<0I48SY>Y8#&)C3;&,<0G7I\$&|2+GXV=X M,I@(%4NSO^4"_#V|G1_Z%("S;
|J?H6/\$=V5:6Y#>EZ|>P0H+XSJ,6/86|Q7 M#_?Z+L?4.NZ>GWAQ7!%|!%_Z9R|!|K<\$-Y)=|KH'2.8W?
H+9%2:2%|H^ (MZ0M:Z@_&6V*;H1WVZ)/(2W)VE&= M8-L|+9RC36Z
T*Q;VFF|GV|@!F^,7<*ME^G#/#J=6*_DFJ|;.*>.|7GU5:*MI:
<.GBD7,98YB3%A0H>I'V:8D3"G*>&49U9QBY;T)U|L+16XMP=7|X;^T%FG M1;<2=)9|QYVM"K
#VE003_?K;+8.<=|K("NV5&8f=3*2T_+G7(*""<*18| MZC-KFU'00%1!XX8Y-PSRJDUMA UO-C:
(#T9;W< !KC-%<';U#YJ M<| "Z(Q(2#;!G8="GB#|2K&09F<#X8T?|^&O*;7!|=EI2L'9X??;IKI98N
M=EUZK|LK6KW?RDN^*94=I7"/6L|)&\$8TR#|!)7J/V&88DH#=#|=Q1B5-0I\$D MQB5|QC(QL7KY6|"/(
|5FAU(3A1=JVP H#D(K^!5%|U7!M0K1V@%<:%H MK!,|I;O?@_@*BF_18^25N8AM^;
(.IN1)F#T>B:AQ+|. @?*XH_6|:5&^ ^BZ:1;"DV421(XJQ)R+ MS4!DWNBA9XNQ.U?X?
K3AC)@C|L1^)+,UHSA/_O#8&4|_IEQ=01U1|M<|MA#)#|)J9WS_?M-CM
M7H>#K,>&5G>RX"X7WG;""71UF!+_R=I'3,+T*_>5F'(B3C>FF)3ZN)WG4AVP M->?
(.1;USZ|S!5S.FAPF1&1>2&T^0L9@_+)|J8L#3#UO-2C\$0FI75C#(+6I
M@_XN_VP#;NU4^S!"9AK9F=QVBG1%'FFZBZ;.*Y\$K&@W8+C3>D8R.E)6P|1F
MU3%&8C|7#68OC501|X|ON 8"/?_UJ/_1>.|4BDVX'P?O/(*1V6(^7W*[53Q":O%.RR3HU5|A,BI
MRW58T.?K|,33HQ N00|R^VM,?K4*"#KT|7K;M>|>|3;%|X7L>J8L6Y!_A2! MX87G0GB|D6XV+1|H0|
K9^ M\$Q3YX1KB&R="R?1F:S9HXWDS D/W|XF^4D" "1#P_R-WAY9K\$V-|4ZWF|Z1 M:_|85
O+U8K>2/%ZO'3.J@3^++5M|B4"*Q,|!|!\$|RIVP\$*<^,%D"?.) MH5\$@F%7)-BOR\$^N3AHBN3|KP
>G\$#2.HZ#BOK-QF|Z^99ID_-#L-WR@'B.+MMF_'T=NS;'C2-IHW!%\$6?
G2;LC"KV|@+=|AFW'N|QMW5L|VS,Z0|5N\$J< M*14U9,FVYMP)Z9%6C9|=C9 MS0D&7_W=|(@OV^7-
"9BC7F|N|HAV!*_JW1=>W|WA9*?&JUUI+YMU3DB!TD1 M'A1J&C7G\$".20"XX\$B'4)%&5GE-
IZC,K%0T3:AJ(8&BN@**+OA34;_73D) MD9G*F"RYG69HA?YB)|1#.IX1H:QUQSU%8^%VM2-
B'O>/_;O8^=#V:8F|_ \$L; MFG^_Z_I15+7R')M|J'U(<898(\$D&19@E\$&97;EN8\$IH*D412P+.2)Y>FK#?
VY M0W,#FM9GIU8X&A^"SH6.|6GF|XX?*_WWEAOPA)U9>KTZ0N'O8-&*^M(GA"|0 MG#CJ^XG|
|P|F|_MZQH5C=^>U3GS'\$YC,EN&PG-R+YQ;<%KXRUD:9^YS+JZN|=EK5;ZP)NFIK4Z
M^F,K%WAZYKC&-\$S1SA!D84HA0D+JB%SW;J4D3?;.\$';G@::Y|FVK.A A;= M_+|Q0;HJJ?
A&|6(98V6*:YFZF0.M.S4RH&#%6AY:(V3#JQJ0,>J|L\$)?=5 MAF5*=MGZ*TLPC@JO;_JW;
(6":S7#JKGFM9ZR<>B1+N*08QHB&"L=4<6"HB) M"P;GIQ%R4PG>)'=|ISS2&3P
MYRRMXB_*YJM7R5DZRS8FN23N41>2BS'_LLW+.P.0V<|T
M(;=YCR6>)8(WB7!O"7HG2&S<(K>N+#'27H7KI^O%_D^S=|X@V7)&|7/\$| (MRM,<8HHCB!A-
84%B:1;3E(59'!8%QNLMO|%ZGKC7SN/'W|B|^\$7|XA_Q9+P) M_OCE|R_@T_="=?_YPV@F@/_?
<9/0&UH5L^'W,Q=PP^!"O0|_5"C</'|1@_M_ ^|33/QP;|/_ ^72S7MD-3>EICH1UZ6:XO_+
|_2::K_J+8*7_%&YS&T!Q;2 M%6DG^\$813S*<"9@D1+H+L2_0YTD B#9,T2QG#|K>IC6%B27|F>^7
#:"2#SNE M90NEF;::;\$2_|37_1K&@;|S|EP\$S*_#ZH:Z|*B_'^3UI(5OJBZH?1VB>ZQW7
M9>R|K/SUD=0E;|HK;MW|S=;2*N(B93#+.<(HBA((29!!@6/TX|E>1(2H_F4 M(S1F5AP=5?/^&.>@&%
<*G@2TV_@=07"@Z_-/Y)R|YNT^,CMULUC(/=7?EO2 M#5=SUG=J2!IM|+|VWVK
"OEUUM|O#|>XP|JP^|:E2UV3*.>:'YGA\$MVV|+MBP/\$UQD.4Y8%.42IRLM@
MD>J0R1.H:\$(8R>,L1U;=;W|8R696MYJ@:JHC;1"L:NCEWW>W=?5P(^T2*F5I
M2EV5|5.Y!;S;:'#=@'M>@T8);UGL|L-@:IS"^H/P.V.\$7/\$M0!J_&4@+R M"(7=9*VU7NK?

I+Z0%J@Q56J?0LZ@5>@%5DU:6J%/G0/7WW\$'V)'I4##"8C M."3O_F"/TUO"
(ABU))RC^*V.>..7XX\B@)0K^/\X{2X+)"0E]=X-^3N9EVCZ?;\$?9L?^=SUSO,0^&+E5:Z MQ5f=O-
L>WDG3\$2GGEYAY,RK*0),&^>T5>%=5.14!TF)HR@@@\$X\O2H_1VNW),
M<,^90X8RNDU<&5EWN2\$LEX5\,I?%X'+[f\$)W^:+\6K2WKDC?_4^YN\WO\OQ_J
MLF\$E51_SOLQ9I\$5,BPP6>O<*ZT M4T\|MI0G\,VVI+?@K|=O0=F YH\@U/=TO4P",)TWH,IX)?
#@[!/:*<86F=J MSP?X)AD9GF\,>;E4I3P1_,0XVS8N04>/_%|^:Y6,@>WEEU)=)J\7GNWY M=+3!-
(K)&XI-UZBT4KG<0) M73XWBN:@ *Z9(3\VHFR^&EJ>I;L;M+XAXULKQXPX0\EO>Z>U#--'2!G&KJ
M\$.9I0-.8PH*%*GD\X) (((6497D8)H2\$H57CBY-4EL@YZ6FVI9DN72]. V2V
M82>+;;=9\25VRQHY)Y/W) C&LMG@)P3\|V2>Q\|F+^8\2^8T>8E_=X7*|SC/& M,1\$)Y\$5!5409".9IF,
(LXAF+LS1'R&J0*\$X4F= MJWB6IV7&DMD?3IV2P,DI^8Y Q:T9\Z" M'2=M@3^8P)Z9NQVI
VF9OMU)J3L=O,3D%8'E%;*S2<<7.2K?:0=>UHYSDB M<<##DVZPH;RHYG" Y+E><5EB0K1 G?
+6_)9OFWWFN>IH\|P5_7R,N4L&R N9! MDD\$4\$03SHF 0,4984J""%I%#YPS
MT)AMZ.D"V^WC(UEGB'6-R^1HRYXALNA.'1?T^0:J<+5K?&M8YO51_+&MY6\N
MMN6=1.YKCM4\ 8\|W3PPZ;|?W:D3!=4>8B?=# F++U4\UM? HE+/:HVY#|EW M((Z*.O-
TLM.ON#-WI 3B\OU:S#9Z#,M-Z7L&?BC\H&/:++P&*V\|QOYG9 M73B\$N0SXQ\|0A>BZ?
0^~U)CQ.US_4S4RT#_|CN_V_@G*<53P+(.4\JK+5DY@ MP06%.<4)Q9315%CUZQFE-K,FUN3
5M+3Y1R\|2MV>G<<,.#E.Z0T&.XUW(*L1 M: '1E&QVD>3=XW8YR;1C;FFUY
M_DO&G>:// |\$^2_3U0\K\|GC\<Q=(4S\|I3\$4\?Y&| M"KBN*|HY:Q0;KU6)K=QX>-/:P9RM,UP4.\$
13%4*~<(AACB6?^,B27+"PCR(MC\$XI+Y:Y% "RQ\|M \Z2!=15X^=5TR)4\7)=5AS\0+#+^K'5V@"
(, #9="3\H:~ MN8+QAX6;MG"Q\$H%F8DYHHN++ "86CVLZ3"@.1ADDH3\|K:TOV.(YA'
M202)4(W^LH1DW,K\|GLK0S"JPHPE;HA,F\U""MW7\|C";K\$S;#+\$DHRB\$M0B(56:"J0F@,8QRA*\$E82D
M<<<GR,RLGH\G:3GF<)X\|R4SI3!?=3I6X2#UY4_@LB9YGB+SHV*_QU\+5\|'
M\|+ 4\|JNWV^9BB^:!\@6?W#3S'E_DS".#3\6Y!\UTEL0^SJZ^OH-F)FI&%BN_
MENQ:6N^C0EI%#D*Y\|0\?+K28A'\$DP(,HXBG+ UONZ=ZIW'VB_@1Z%^L\ZC MC.9<1)#G);(
(A50R# LDC@LY*^R EFU;3\$A.G=H01,\$/_VQ%?IO/W=VHJKR9\$*(0BR""
(H@CPD(>9FFQWE4\|O'DA%/>D;5%L M6NCP#O M4P@^G\;#5O>"U\|5XO'F%-
RKW_/,MY\|L/ZG&7U?;5X^\$"->=< M35)07LFKQ\|R=B_ IV\X4\|YLN_;DTH59QR+(4I9R* 3G;I)@
DD6AY\&(0ZB M%&4AMTHUF\X_5N17\|OA\|@ P:LKT#"/_#<@Y\|E>I9>+@.I")T80+L;5+;^3 M-
E.\$A:SLU.?BSXV^Z\;V1^U5:0S^Z/+UO3,#OA1"=#\%.T/_Z&ZU(M7XK M-2%O=F\UGOE)M:DV)5-
E..VDZZY^:1#2ZF8"K\$G\$<);Q"";9M.,11\|ZSX(\$ MQJ2(&9\$?#\$. AEIYX69FU?_YMJIW4-YX9WX^
AWAR\>(B^)\FIW9\UD#/\&VB9 M6X\$A>ZLVV*7ZS'65D_,>+|^?F %TW/+1<%W.JHFS-
R7;M9W+M^Y=?LU.2V?SV4\|VVSX?W97Y 'B##!(9?>!40B
M"F'.H@@&A&\$DTH@EL55S"0.;,W\|C>@Y6VOW>M5,#>RXF'+.:H&EFO7O&R.Y\| M*':W\|
/LT&?)& +Y56Z@XZ/) ^86HCIR38VH;BHD6L\|P7-KU>967P'B*RH_ M;@V+82=JY=|Q455JRY\|ZT2%
(P)!88Q"!E\$>"5@\$10"S,\$HOY22@43 MZ&G# MSLSAT" J% C HH2JW !_8V_>.:!/:ZK&LMIBXA-
Q#;+.A:/A.J-W"JROZG MEK^?@2KD7@&B^?1;.:|L-DBLE;O""LU@6XRU%)0F.
T*H\SDZO/;".U\|\$!+\$&B* M9LKJ-
!3CNF>R@:'JQ\$8V8W4P*L/(*;2K\|W8\|B^' 7QZM46VYZ@@_6X;OVC* M\|!UVM*./!F\$WJ2!<|68'B^%-
V_*AL\|YT.M\|K;D#_ =5@S>Z*7LCEV@+1\4U ME>10^R W0324VM:DV@BG"1\$YBQ%,.4@*H(YIRF,
M(C_J...HTCF9GON M=*Z.GVZL@,HO^X?B.'%E*8R\|SF^9G>D7F:SU(X
M/5MF,>IN^X@/O&FJNEMR>Z.;M77#L)HOU:LN0L;9_|FA LYQW:Q#45"*PARF M"5.-
Q0F%. "8\|Y(' @**=9&/+<1M=;H MSNT0=A/OVO(|WD\|R++NC"Z)=0C/.48U:D_.98HICB N*.,
<@QQ47\$:\$C3 MV*\$3IC\|P) ?#? %, Y)0\$@8+N\$>&.)SV;DQO\|G5< MUOWU,!I*HN-NE.9KFTC MN-
>G,OU/U9Z-J0==OUC&3&K8@!2019Q\|A",_|#R? U?>11& X?PFW*K\|+2ONHL3&"?2R.D)@)\H
ME>YSCHEZ7U,8D2+F04 (QVRU\|081\|ZC\|Q\|5C1%7>VX\|CBB\|)\GH6@LL'G^=O=?0\$ _8K+K?J(?
MSN^~QG>"44(H\$Y A)\XWC.*4RA\|QQQG-LRP,4YN/G17UF3\|BI?>\$*RV MX%"/_%J6P*6B\|
(M*U*\$K%XL\|QHE0/5>14Y>S;W9RI=JC-Z\|W5<_.5+|M
M\|TMU20ML0MA"Q2#I6;6:RT'0+.%-674HU9K\|OOU^ !X,C:C562;)EWD/%
M\|*5QO3,#0'8*QA2;68;464KOU)S%9/W%6K98"#MLY&)\SFYMA-#;0ZC5N;M\|M MJF\|VTBC;
(.JA1E6\|WZKJH/"1PJ">200\$X#SC.&*40IDD934N20)#R#"2\$IM+K(.2\|CZ9S9'69X\|O?
^4YGVGGY0f=4)PI?L_ RP*U?^)\|:7 M?SIF\|NP+8V\|W*3(8>ZAX5AG8WWK;|SG?
0^QGG(^3QG'C,@N,&?1E<,.?9C;C M1(AMYCE.)65Q?
+13UOV5:B%4UW^OWV\|91_ V7\|O\|JV_2"/BUWN\|8^ZW^E^;=
MAOVMV6UO7E=;UKRIY5^~UNSOM=W<\$C_49E;%UW4I-|;O),<#IW@203'ZITI M^VN-M\|LV(G&U?
02#.W>W>*~NW6@#5\|6^N;J_ W\|@G\|0S;OTD%KP(72CJ=O=J M-P\|U^YNO7#7Q_+OQT8\|AWC9?
5C^~^=FI\|_ET7D>/,7=B?7QA,+BWD_?B\$; M.DB>5\|9OO/.9;^6\|HAM\|JT?
TOFD>.+O:Z6_#PW;W\|K&\|9L'_ I'N*DDH"A+4 M\|>^0Q\|00,84Y2B.(OE"BOQ#
(HP2\$B88Q12TWX\|KDS,K+O_(UPE00:*S8YJ
M_L@ZAM1>OI<;4_X*~_N\|Z\|HE%/DO09\|^12F\|S_~%TAP")8^Z+ODE#?ZR DQJ
MCTX,\$"8KH&19">ST>_RH%4/#\|TJ(M_++O-D\|*DO^2E+9R#MT&X?# HHLQ_36 MXO1^TD,?
5^I+4H\|=YR\|#1+^G&L0,L5N-J\|GB_P\|O*2LY74OX<^I+ASF&\|D MC*YKY\|E4'9K\|3,-;3\|
?..B;I++QWGIQ5KX3\|5^V+EG\|EJN*8;M,<#\|I9FY MJ>^;3_+?JZW4E8_7TM,I=6/0/_ "F"4P2M,?9
0Q'F2P3P6O\$ B0#BTJH%R MXF+V,.3NF\$Q^8\|Z\|BY57D\|/&>A9LTWN)LM?IKCP<'AC"(IGNYO?ZI#?
<'.S>UOKL\|5W') M77-G)MS7PCF\|S_M\|;B07A%7\|? "->#*~V">(W9:V0U.CQZOQ55?;?
7W\|>.)P\|7Y%&\|^U?XU0('H<1 MS%(20\$0H@B2G;4P%1GE>Y"Q+K;FN+\$QLW+
<%W2_VB=.|:~_J%P*1WS-O(SY M4;~
C6M^P)XA..!HV%GF:4WXGSUG\|AV2:=!X\E\$TN;Z5EO30#_K+FL=|DH=|!-J E:-X\|H

B'<0TR53I;0\M8,*O&H>K388FU#SXDQ[!IZ]AK7 MADR[KDU]6XOT:RVWX\OO72NZ7ZN*?
2LWFS6*,H98E\$ 4,/F'\$ \$D:9[!M,) M#9.T''&)NUZ,%A*S5-K/OTW)@ N!N,LB-
X@AQ'M.P\$W'BF55EB&L9E]W_V#9 M[=H:3OT\$E5!;G/9,@%!\OXN30N<5&;&^M6XR(+MR[Q0:
(X^8M5G?;ATM>5\WN MX_VNO"O_K_ OTD'1B6KEKON%BF7VV3U2?>11E\$-1L\$)JE N(-1K!* I\$@*6S
M4 BCPU1+NC_KQ4G8,B*]HN?,F,Q'<6U,OAE9F@LE,CQB@YQ%ILX#(/NYA)4RR0?/JBY?Y-. M(*
<2/EG'&-CA]YW5ZQ],/6,T9V'Z.>N\$!&Z:W: V9]#KQV9S(5UU]WIHL4 ME^[,9
K!B>Y,OK>Z*EFR4W%V=;@A5:F>A:K^_KJZ(ZHQ5'L>NR8TD+9KD\$!6
M(#V7"!\$ICE*8ID\$6!T'&.)VFL*\$!S*0C&Q IO]V8ZR+)K],-B5FKREF0'8
MXOC=\$EA3I>\$;+EN]H9#2IV!/?>J3:L;E?-%(!/Z.[!T\$!Z9!C(@NK\$1L@#C6
M(U9W3TJR^;W: 9WOWG"UOEK;OE.(P5HOG9 C&0.2,W!@S2DYYSQ6XWIA#ICL M-
((#0N!/ UU#+#"8FO=SGL!+9-=-%/=,CM#E^QP/TNDM9P\;KBKN3C9*UGU* MUG',@XPA D-
""XBBDS',4P%9)@0*29BGQ,KC,"[!T'YF7!>7;.!?LWK7=M*@5?
B#;^OFG)W75'+.,11'C#5!%U0B((PAT4:"AB' M3+ @CPBCL6D(W8V%N96(9 HH/9Z+3CY>>65>W
M@]M]DF8:XX3X]HUF26WEQ'Q^,>/<^F.TE[OK877*G@]U08L%]M0Y0?J]M-
!*0:U"V+K J7JZ_V]V^W^NUVHPJ]N]WOL&L.N.AIQ&3,"4"C4Z+I/6\$0DY M)\$E
<\$Y102*KT7&V#;R>:;1@]AKO-&5Q+BNY; J@K%&E1EO54?%GDEPWW%I M&ZZUA-PT<#L?
D+8AW)Z3%5 M*/2,@)Z:;%3@\$=0]ME7S&W&]Y_D?QB>|>ZC[Y] AC5!0T MA'F4%!")!,&"D0RR#&
<)>HP7/ F]J09F3G5DK]83;?J#2Y*IU;7,'P@+ RV]8 M/+ #8Z9@!#T SL0)]D!02X*,+2<;
H8%6N8NUCRHN;E5YNCY;:#L91_QFBP6
M6]Q3LA=PZ!TYW.V018KORUUKUGRNO.X;KOF]JNY)='T08,D4PGG80S5H!&(
MHIS'<#<%)#D*]B1@!&.C+LP6->VZ0YXD; J M7R> VTZA;6-0EW@&TLR-5QIN013
M.]&>))=;WNH]COW)@)3WA^*]CH%I(2HE""D)US!2Z?M(U?ABBB*8"";R,M_
M%MAZ\K4A<9NMXS3^ ^O6M:"T4]@G1BT]Q;/C9)8J7WL_(UZ-B6]I+QG2T!;# 'VV7<%- "?V&
MOY=W#WS*LTC6BY;1C1WZOFUL@U-2' M6ST8T\$[IV.)MIH)F1-'2]6X9
2TG"C_%RPIFW(">G>>S_ P]T#Y=< MXT?U*SW<9G;&9; !A/SDYC;8;@*QUY>;JS#FP#|@B&UW6L
MM]_?5J#G'ESWHR!; 8"60/Y]X'X'S_933GE\$;9Q2(U;-YU8>VY5W8ZIV"12MOWA
M#O(;D4WJ2S5V&#NAL^F;\$>L>^NT=EAYX?9I1R(=]T0]OF1J6M0^?>&C;/QR
MG^VP1AA%420(#%\$J(\$K"\$.(LHA QFA""B#\$5CO)E/#;V^Q_19#NM&IMGZ^C MJ3K3T#3;EW-
@9+=I!_!;#S^8"!@U;]9.HWW\$C4522]C70?U/] ^..A'(1KN
MM7]5#A7ON4X7R+Y0CI,9&.=SFP5OMS^/?W]WQUDI?87-X]577&Y4L4MW-%K\$
MG&=%P6\$>4G4\$GV%8!%DF7;24)E&6!R(RSF\$Z3V;NG*4#8;"G;'Z;/+/N);P M)]3E]1W.ST<\$-S]R]P.
VRFYW8.W.]J^+;-(Z?7(S8L=6%]68'A&;7"U MFWGS@3=J]D5]^M30NKQ73[BM]A1YD]J<+V!6I
0B++V\$7%DTA :X2.6)M0J M*C1":V8-U%)>M?W35V! W:U<=@PU,\O%\$Q9VBFD"#-9&B(&
GNR.,4J+FAH& M(C^W+DQN<=O8UW5US^O=H^J,IAK9J]K;>Z7"O]CUNKE*7/"0I'\$"PUA9%T4A
M(.9Y# #FE&68DRS)J=;QK0'/NXYF.@Y5NS] <.3=ASL0**#]#-
%Q5.ZYAI]D9!E19".D)%9A07%0E6\$#P7#78W.JZ'Y]!RI.+%7"&'YFJL 3*I9Q1A^N*2-
71+57Y]864I+)X9= M\$OE\$)MC%6]PV^!/?+=?->&I^R]!>- (<9D*TLU: ^X_ 7;H*\$)+?;U25YV"DS M1\$]
(5N>'18Q8D&%I'419#A\$B&!*L6NG\$(<-9\$A=Y6MCTI9_*D)7:L.]8K]D# M3_A]D)E.*&3G%?.
A9FVF5)A.U4T\$5P]H%1R:&TY5H>P9!)]%5MMV?2GHWP! MYDF1369G46WG"ISG*M';NLX-
H57+LFZOJGJDC?ZHY^(M L5.VD02JU+]@CB'>1K*OX6!+=+18\$HLXLFQM;\$H]E,@S0GH6-
'>5>MC]3OZ M=OP].IE2-BB;'@W-@IWMZ9 WV%R:-(L"X*]9LC'EI9LBVT)RHCFR]1(_!N2]
M]D1<@2%+JMK]P)2]#&B]VD;3HCO9W* @Z-B>;!5V]UF13D!GK3.;T]G*-R;:(
M_:0OV;2%W/O@ORD;NJE4T?^ ^\$#\$LLA!G+(1)R#A\$*2E@03.J T 1IR**H]RR ML=(L.K;C&0'#E1-
2A%M.#(U J=*;FOO600MU)W^O\$P>N]&?(+)X] GS@H] M-CIRM=L&':3>=HD7:9K@E 8!S#&-(J+
H:QXS]?^0NGG\$-IP= ? M?L=WY59; (J+HO>9=N]DYWKZU]YKM=)4(@L1SDD'9); (N\$Q
M3''&]X#D<96#L<;LZN6L-76Y]T1R29:XK+/@!+;MG5FX\$ MT+-KDA..+?M0N#?
6)4=LLR^+/[K]?)PM ZTLUS]#ALAH/HB/%/E!*;6 MFQT:4'J;VYW7Z]G&YP>:Z;:PS00(L) G,4!)]B'.
(@"F%#&D@+ '(D*6 M4U1-R,X>;YI03'7@>P4TY^J&CO>V 8V;#G:AUFK*(S\$-2?D&VC9\$]=(83ZAG
M.X';>S7;*.\$7JF4S >))901W?8-?Y)N:HMEXM57WGI^.;!2ZG>?E>5]VJR
MTU94\HUL@^K&S7TLEIQ9-W6<@)X5P!YT#E+'C3)7!ORLK#L"V8 WKFEFQ,U. MU7B&S*K%D_.
3NV;.@LUIK(0?AAVR*7VZ<.<'SUT]1;WC3#5I^O'@<_M<55
M.00"M\$@#&*82K,G4D=C10X+Z;_2Q# B]PBHMW9;!F95,SX];&CU#3]J?KE0? MF\SOIDY]-
(3=S+29\$TP]S>.?QPF(>W \#XDTI#]XV+M /G_! (RW4O.P#-4]!(KT*,\$(>
(AA%4G=1@?\$,L"G(FXLBH1_YY\$C.K'\$50 M]H02)"W+8(Q_-,4TZ2TTP5/]9SA6"/,)+X*7(!)+%O7>E;
HW+6\UWKAV97W?%Z]H+VO^C&]39M,]+=FL6"D"@*82:P-!"R0D""XA1F M*
(NS."Q\$A(Q"V:X,S'UWU\$%K"-K,8W!!<[Q]P\$2+89 "TW0+\$#>O*K8;AC M#V'/U*KK4VRH_-Q?
3?,Q%S-CZCCS8A9L]0983 !F;)J%R]++C;:8/(23.1=3 MUG'M-BCWK-/L?;
(K*KMI>;9DNO;NNY*A5]93R>1OU2_XW?VFTAU+!Y4PS6:VR^]2Y.Z] MA]*;S@7\$#-
IEZ\$XYI!@U4]@#\$265AHON-5>]S?S"JBXW:E1L3NX('1E:]ZLR\$QD]H:H:1JIBY)Q"C@CAF?S_-(
U.Y9"C,KSI8FZ(@"315(LF8Z]CPN MXUK.B]1V>L:4&-E6^K*>1?#@KB_ (J+;/&+ O6;]/*%CA'@JFF4
M'R6M+37ZY@V^PS>|^5P]W-SNVA'M&2;896\$,1500B)(P9PA]E4_=1;@*"/"
MJD#D(L6YLK%F4_&/0L_&-TX]JE;5H5OY\$!^]&(D^63IDZ 9,\$!P7\$0QS%\$ "4XP3F
MF<"P2%"1I5F:.9"Z'5&/\$YY9#^R)NQXU7X#-.,XQ QB6<8_!T?*>AWV8LSM' MGB?
UV%9X]T?)%B^T!&R&1CGCXX-[W=3&Z?+RAOI' QW56YW?Y_-/BW;1_N M2PN.HS HH_@X5O-
84DA0)\$WW(\$Y(SG"2&8&T=!]<]8VBMAAR1*2-*DOJH0FB ?WCV>0'-L]T MEYTA9=
.\$\$]*R)#HHDK'#HCG2L;R;OL41#U_!H_MOUD7^'M/YL/*LVXSW'L M#W^&US6]E@GC*\$S3&"8RI&
EMO_*ZD4B^9)=E/'!="+T)JIZA:-#MJX\$%L%-]Z;Z M!W8&T]7^&/O)#8W#C+\$I]LG-

"X\$MEM>XT>R*6.;KV7-VX^?^(^WMB\V8)SL M?O&3Y^@!KY%TQRFK+Y;UZ &"8?*CC^4F#%
{X}'WX^H%*MUV:Q*^K9M>L45QD M:40SR"(10Y0\$!2R2*(2I"#/*DB0-
JM(WQDZ,^O_C^8Z_1(@9K:D!S'M=*K
M:}I0!)JDYID#YV7R.4I(@!)7EIP2<_%5D|_1R^V+U'^^OMM>|^IU75U|OU%2! M*|DNWFP>KW')+
K3+RPSN|6UA==O/X+?Y?^NOO(:WW P'#(/>G: XL>Z%OT2 M1N,{U3,|MA:43V2L2LX-978J,
|^-T|F*EY89"#LO)36|QGG/(I&|X'ZSZE.P> MI4M8R|6|'TO>O&^:|!|6*2UX2D.B9K+G:C0'A205@?
S:8L33,"ERN|O<,|)S MQWQON<7UC.WS(\$#"SK|%-&.RV^>=M+|QS=I|C|HW?,ND^=YQ!7JV0,?7H'>C
M"C|?V 0MGUY"UK@XF_ZH0G1I0<@6@!Q8@:BS=V.F3VJD>UMM9%W-.W)FW(" M#KVD#SDJ:0EIE!
(& Q10B' 4P)Q\$TL.*4);2@.9Y;J5\$C"G/K\$>&?/QOT')B MF>9CC*&97ID%&3O5TIVS_SE/*H^M?
+YR>8SI+IO,8PO'43:/|0+VGL.5.J'Z MG%' ,S\$8=^@>\$=DY):.5.*_M"A|HFAPU/"Y+&2=1DD""R|I|(C
/,"YI#F)TS0+DS@PJHJY0&?F?;RG"@YD MG>;NG8|)'OM07B|O>LBMVO&R#FI_*:\$'%%YB9R/2>HX>
|EK3 XRYE=%FC(MM2FF.0S#;I1-'M-JCNV*VH 47ND!;_&U;16^6R^:R4 M.2N8M|J88PH+5|.<%?
&X N7|I7Z:=YSRYG+ "(HY1!..((XB2))0><8:A2\$*> MQC2BB5FD)0N:<_O"75^+|ZK/Y9W%,\$D;V
R=8+|@6\$;6COH|.#.>:S>,4F|L| M4|^/EW>\$S2&XU W\$G .KSL|5"5V;775_7U>8WK8C4%|C^W*!-
|V\$Q*LM4|=S M_25|F@.@.&"L2 FD1A"KT+K J B%(6:("4\$2!"(VB9M/8F%EM|!D#/=E5/|'^
M*7,Z4JW8VUIHG|PSX2&.;YSEH+530A-0=>QI MK Q|NZD(6'W2F;UOY|@-'
UTQT3RY=>=I+&L9S89R MR&D>AP%.<9@:Q4|=69AY<_|E@2@U*P O .L8T9E_HC6OT*|D0U<7_1?
%+ M'@5_4;.?_MA|PB4&.J2|)5/DAA7%LVC|>S."0_YLJ\$X Z.S|505/UTJO.)H MU:5S@*MV&+=^AE|T.
<|*O-D_%|6;@Y7HB*NYA3@_OF|6X12<_9B'TY 9,0T= M%UL+)|PF^
DG+B28UWFOB*K^5)=.:'8;'N"-2@|O^VLT<^WN.9\$FE-LF*|Y MB;
<#/'AG7G^5BO>:UV7%U&2:FZU>I6TCA:0H>4@ \$S LU#8_GL?Q:06 F0AP1 MQ&
(6\$;N*SID97B*?|VK>_!TFO_)VBH|E*>C<3|_UOV1GHG=|^KJ^OWK%="| MP5?ZH5SCML?
HD^%Z3W(3M7;|8-%C|>E"/.|J6IV;W67K71<_"ZA2=BFZSDG< M@C>-YND=Y|TZ"XJ",13#
B'5,SJ)8%%@Z6I\$"";IPS'5G.^GA.860%+(O;|6V=H_T4#S,5.45*.Y4VI 04*:^ITR>%)__/.1BP;IF|Y?
>AFF8%WM4=NKI99|2A,'& M'M'T/O_8!VO-
";9(ZSGIRG|).*8|(K+6IMAKQY_DQ|S0|N#7KH:9=,FO6(L M|@CE4+5LD^YQK(>B)3 5I. IS_)06&7I7*
WLPH>D 2;IEOFZP7,S|2A1R3L M-)PU"/9IL&:B^4J'O4|MV;18,|&TF,-;|_L/F"OZL&|G?;4I14:XPNJPIE
M_,UBED\$>HP0BB@J(6< A3GD0|2R,_QA^>(S+R=)5GPC*YY,|XL,)>>|,7R(M:
|=G3TCJ_Q/PPDG_Q6GLU MTX4E&U%)RV6C6B'5>*/GV+!U1*6%3B#:1I\$ \$!4A"2* RCRD%
1)HRF;+WE M-|H9FYC""&2%G|"86|9MX1-3X;3R4D|_|?3V2R|00|A)HE|705
S2/MI\$8:UKF>NL|I\$ZX98PUH?E;|9GM|4(>'AV:&?9?& M/_U9@J3?GU!\$I?_?R |W%@\$'08QRQ'
29+FIBV!_?>;MIOE1B55T|Z#?5|HR MTR9F@NK SJH_S0K_HM?@BX|JIS*ZS=
<-9#1N54ZJR64KU0:>^H|Z@S9BQ|BON9AUXRSNT.9Q M7|0MZ-NGB|SA|7_?;Y_T290_VHK7TV
)Y|N-CR;CLMT=2|M6H4VU*|J(C;|4PU)*W9QLICK,P3&.8 MQXF0)J&T'DF8*Y,0)06)(Y\$2(Y-PC,C,&F!
(%O1TK0Z"1A\$;W_Z^Y+;;|SXB M&V|N\$YGC&MK*?|"-Y4^+3RZJ|"(UD2X?
GL:7>N:AB/*K4JOV|9S1J0MH:" MZX&#ZSQ(DX(6!0Q2\$D(4!1P61
MC<>T3G09@.RT.=Y&P;W3!|1K%(I M7G%1U5W:QQ?|_8W|3L KJ?0+NB%\$ST;@DAQE-
\$T)H(GZ+%.>P\$+0"(H(S K
M.\$|2HZBG)WYF5A+ #0;JL8T47OHEN0I.J7*BV.CBO*^#JK:Z|)5H*Y1;:=CZ> M^GS,5,V"|J-
MIHZ>3BW6*6X=E|Y/D;@7>#|!%/RQKJ:G&\$_"8=BQ"S|:W4V+MF'1<82P>%0|\$1EDX+%!|@)((!
MC_*"IV&1AF1|KZL3/N|PO3/3D6>HV>S"YS2--^20MMI|H*>^DG^|*:=*WX%7 M>*F)MIHG,8DK"
(DC@((9:V)D2)!)(((\$<\$B8(7@61#E-.LP?+ME"R/84_2!
MGUS+.WAFZM|#"9J_2P* E3T|9D|J=YS5!95J1=\$?:XJ+UWN&MJ5|M06;S|Q MKWS|T%=>O?
_TN6_\$0(. X8C" B4Y1"E*H&K\$|U.D6\$)P\$4@CTBZF.TIO9D/P M'6+E^7>X>KVJ.7U>,KWF(F8JYPC+
|F7L;|XD)Z?EF(DTP\$ M<8P#D|W|?&YXZ|J-H*B!100L|U|/OX)ITBD65DU4P8XTUWCO.1I!9Y2|NQ
MY%|.^EHH44VSCGV^QUR|M|=FX65F)0;'6/M&M=>D6978|I;IRR+0R8_UE0
M,"B_:ACF8K3WS#NVH@4UE4X-R"H/+ M7|4)DMGMOUZH#Y>\$LOJTG6'?Z>OV?
*W%/G|GA!A^X|Y=8I^U^:ZJF|?+=+_A MS2|?FH>O|_27_"6_95_V_#=[AK3?^):'33R^KXN&|HY,%&
<%+""^GF M\$36|\$.4OS)(X|F06XP:9VXZ<3"WX|?RM)|R1;X&L#_GJM@M&_Z;!SQOOH MF,'|LPS"|V
|_|B|!IM|^=D71(UG2#U#QA:?'4_|GRX-M&LA%%.T<M|_8V.GIB;#89X68BNHK-
>0BO67S0TS%/TH2;|132%T,<5!%|7K:E/2QT.N M01 664I0'&.:9=+V2Z7M%XL<4DSS/,91P-AHQ
N4IQ9(?1Q;L6AHZ0F>U^ MKT#8|?X>@S|;BO.D4QC+YVG+7Z:WZ)8W%O_YEC>_T;Y|7T|6O1+S?
2;)6^N MZXK^7NVN6'602|'&N. MVOC.GTPN|WO@-4,DVBM@7 JQ#6GLEB-
KK7@P_)=^YM|CJ+?|_ISDA,.8FRO/Q?WZA(Y%30^=UY-C_F@M*:K=OGTDY0^K.F#S>FB*?
M(+%P8^3S0AXW1QZYUOYPYJH^X5IO^4"W+:C2EN|V.W_XFE|H5;2'Z.#:B M)\$
Y@S@7,419%\$",DDS^&#.2|A"W'B8I0WAF??J?X2K(-C//BJW0)/7_3!4 MWP'0E-
^!U'5;>JL,5C4'Z1LO;VZ5C8J_|AK?|">#D8KB+|JL/7'9?@A2C7?Z MAN 75/QEM9^)=%=M=[>;1Z!>\$?:?
(!:";^7N5J|7|3YHRA5|MQ=U7Z\$;|N MK9|K.#0_S|Z_)=/AN9ZJ'9:27,|6S;_@8|^8_|X0-V.
_RVS+&1S|S8>=V MXF.#H9^S'1?Y1XYTK)9;|'3'1|4|J1UGQ7MDW:50N ICWP60>,Q G) M&*0T0Q
AGL\$|PABF5#IY,4H2*V.7DT)SWX"V|_L3QPD&W#P.|V(Y4?=%%'# M3_L,_%E^X%L.VO&
|NO'A4R9:D%:@_|^=|1S7%@U?%H IV67M \$LPCJP|V_N= M^_OHN-07_'V0;?'E|5-VVR\$|Q7S;
|MN%NN@(+3(@Q1F*8TA8HQ"C%_&TS2,
M!"9QQH.H|Q_ U(T|\$PZNA)WJ456R=^5.16|V;3RDT=PW^F@>2%.R\$M>E;4HZ\A=R1,-?
RR%:,|H9N1.0(T(GV M1*KK.90EM/,|MC?ONZ#LVW8^GWL5&:"ZAX1% 464D,%1)6= M4UB0G\$2)3@-
L:\$^9F0TUBJ|V=|S+!GPB*)=C8_3\$&/%_78++E<5X"3HDW(MQ6<
M6S:W+914EJ&DNBGU"_7Z5LU8>+|JN|5TIU7_)VECK4/2,H !,48Y4"\$ \$B M_4|(HTRP/"*,Y58U
5;49|:X+5%ULLA:LJJ?FSX27/5#ZL%/I.VF|K-U@V<+ MD,W,P=F@LU/+;X7@=#

<84:HL0D42/.5K!0[X=KSM+UV!J!OJ860@M4L!:'MP M_'6%MJ"!='-H>UA.J(AV6&1J^|K/_\$9!
/3IQ^ZK>:=VXC!:]>NS^L>V^6L1%
M3H1T6@OJ\$*%\$8)%G&*8AH3F*"U8Q*PZ\$3GP,'>:XJ!K8D<6!)D:!!H=7@#SN MKW#J<^OR
STUARPVFFQ>1"=T'?2&A/OO2;-.7BA_I+6\$)WO*6F_E*,ZN\4U M?
X4:U>OW3ED4FL1@H)6DMK^D.RZ!^J:*/W6"Y_NMZL6OSQ!US/'"+5+D?[_7X MCM^KK3().?N?
+KGJLUM^E4NO7LC%?%\$_.RG:K.1KI:=8VBB\$G'N8_DS3A\$ M\$0UA\$64IS""!
(Y*D0D16YMP)M_<:EB) K4L8"CO<\$*95A>#ZSJA@99ZU>=4 M#P3O@OP!3KH9%?!O?0KT,L/.@"
1@ H"("# &@0W//5?ZPG:/HM^;&XGO\$! MJ?_05|!^@_AC/EA?JL?3+IE/^0_F/#GC(0?
E\$W7(N_C:3Y#=9M)'RF+<@)9 MD%.(6!)^7+ 8411AFI HSH65IW2!WNSI!38SIYP,_L^>83!
IGMQ\$@'PIZ(- M.N)>Z(R-Q/16Y3U.;>\$:R/1CRN\56YS=#<>2./_12"5SINORH.1J!2SMN(B_M"
@-8"18")\$HB#3/101%SJ*8"8K2/+4R^T_3F=OWE,%FBQ0=*W&;5W"R=#X
MG"Z!H1'H(KBIZ34NEB\3Z_R594V1<5&/3((+ET_LOZ)ZN4AM<,UK'820\$AS& M=,I?
4G7F=V709:0@C(!>2HRJ!+^84|R!_H2%CB+,.LRJR&EO1GWMQ_:\$K MT4-G|P^<#;.*ZC.9HBF
H2#P<2!ZJMV9|B>H.S8TL7P*9A^_V?#UM8>T(RL MP)X5...!E.#)Y!0|LS-
(Q@X'WVUA#*F_3).8.VC.MHRQ7,8^4>>@!5M_YNJF MYMHAVLIXYZQ(*
(\$BC@5\$2#6&R%D.XO0G<8@+!%+CJM0+M)8S_-%KR8\$ _?/_D M\$ESCBLOS",
IVQG/Y>HT+P%AGEOC\$1"W9!J7%!.J:<90PI\$LF4LK+)868RC* M_ _&J!8W>ZO/593*4 =P|CU9
JFPTC"2|A!":N@ID|X1*U37BRS.6.JE!LIL M#*MSA&;66K_SW2&S^;=-U30_*TL*(H'RT_9|!\$R.WH
(&"GLGJ*RHII@^&S MA*.)<#E+9E\$+Y9*PSTV1BI?VOP?U\$SRYP MS0-605+.V2?>E.P!;W2<
MM/DH!7LNI|DJ|Y|7(LBC#)"\$YAGJ9IDPV-(HIC!!%<9PDB"2F1H@M=D| MI_CTOEL0%?%2OF'V-
K0"^^;7/!"9*<\$6DY42<(-J9Z9IM!*UWRT_(">H1G1 M_|=MYD31S=CY(OUIE71ZU_4U4?|U10\$
|EL>5!|*E1%6W96T?0!55O9U&=^R M_@ZOSS|N|Y40_IWTY/N8|Q!|!%CG_C9@!-#((^!E=TBHJ#8-
ESS4_N?RYK! M>RPA^,6/S>6*_(@19KWD8E.9J!|.#.UY#3>|H>HK+C-
!9P7V/\$)1U5!QN1KD_.B_EPV5^X^_2L: M_-W>IK#M)P,EB?;TYV/18W3R7
JMUZG+^AZ#+##Y9:SWGJ^HO)C_!;1:YO MN"AI?*58F.)\$! D4A?1-41@5L\$AC#-
XQT&6TSA(K2;0728YL(:(\$ 2LI6@; MM;|(FFF@WB<4MK^YEO:^6!;+ 2FHW^ ^!L0A&FJK+<_ \$6""!?
<30\$X#K; MW^FF!MH; *XMIT|J>BC^*/ANL_89|5N4-GO'T57*88WUU6C^! _;Y3;06D MVOIO-
KMUC(HTHZ*0|J_J^Y.1!:(I9_2@>,@\$6&&K0|ZO7 UM_73MAZ=2N@
MV825@))1H#E=@3VORBO9%M6F7F%|KG#|+CZA\$ _ZAOG& M^L:@G&RS;|N&FWY1;F2;7;|95-
^4NML'6)(@0(1JRU2LU=##G,J!,P2&D0D
M%=+0LRK4.DIJ9MVQ)PSVE.W4QPA(9LK"C^AVJN&\$U+,\$C2|+YFG/CQ!:=(<=? M%OCY?
C:XP|G1FO(7|4-(E0#MV&7#O6SME:-_FV+1 MLSX_"FV(=\$E19I\$.8XP#,(P@HBJ>5LH(5:
TC^7Y&BQ"H"?\$QB9F6A">IF M""^V &J?ANR> ,=O_T12UV^FVDEIOZ?/">-
J)P@LNDW/"_A!0XY<:9|K|*4= M+;,+@0@G<1R*1 W +J1"X00!P&!&2,!#3GB66P41WVV|LR;K*
D51+U7/+Q M#35!KM=Y\$,4|^0;1Y\$<|VL:8GZ25TYP/I*7,KQZL923\$RP.LTE._S9|M: MA00?V:_|H?
OMZI>JU(!?=<\$R;M?D M>)2>T7LT19|Q3|LP?C3%*GG,2_/C?2_I7=%JSM2;ML_Z|?;DM|*?U<9
M01S@GP|O_V!#D)^?|PD|RK&YY|04)96W^_K8%(JM&G,_2T_:XD#>=RHWY9U MJ|# K5Q'?
G|W<7OJIL:W|!^76NE_Y'^##;R"!|M3K'E-S<|V0|6;SJ-Q\$
M+!FZ*W4FU\$=/W;6K#OM5RJ02KMD#W6FFU2#,GNT;OJ>*E>I5*=+P_V|7)G>
MXNV6;QI/2=>7I<1RW3:^HO9LEY@&%J_?A9T+(C3#8L>8|OOOY>JBD9>*.MZG^5WO2'JFG6!
<\$YB3.B/>|@BA"".(4%U":S)S@@#+,0H?I@F;4'WF|^4&UOI!>YJ0_HG?>W.F/XKK6AI" MY3W>O-
^JBH4OWZHUC<(T3B(>9\$+B\$B>P8('4PCA#\$C'.4JKK9A8F9U8Q|
MOU(Y>*&D)DJF1L2.16BN(&*:#X6>U+6%9M18ND|4^53)'Z|2_46:9H&R7I7|?#&S&(^0|=JQ^VI
MF7|U"V@ZFEW|1;+SU%9U_2_(IS*_12 MY?8'T=YBN_O|C'=21173?-PUW:C_T-UN,<JHI8)??
^:ZM;"AI=| KJMD-MZA&B\$.<|@2\$.!41JPY<")B@D+,\$!2F/C!(0YV%O|B/6_2 |U6.MYP/TN;RO
MK>:USO!PQM7*RT-NIXU.ITJW_*H#LP"X_|% ^7_|D'9#T@9Z9G97Y"^^|+/
MS.W8=IYGY^<(ZJP5L5%|8=2C|F>|V MF_8D=HVB...L)A%5|Y\$<1HUD*DS"2KD)6T-"N4L^ _Q?
OCWI%6@4|3:A MH3G0GUK6,PJMF;D|V ^OEN#\$A|I77^5H,1'@W)A3;*J@:!"00|J52V!|J ME;-(R
3|V4J%1HF_<,&0"3"7RX;5K&/"JXTQ|5F|>P;110/P_-D%9L|3 MD_)N'I41-DR'6!
<|LOQ02|BYRD*31*="=0WA M;9I5G F6)#06J"BF60.7.VVX>SET|!LP8.AMBK6?A^J?P,^72SI\$T)
M;Z>/N5OPH/P8'9, &XV;12%IQ-EYE;*X22CS-VD_/|04WF_O'W9O M_ _VU?
LO;ZY^>|CLRGMI/U6;LN|A|L^_SUA_4-I AE/&41QD\$%<""U:TZR
MJ"!13"/3,*4=Z;G/3_VGRUUL">#R\$|'#?@_FI\$5&' ,MH2K#|C4T#O+AZ!;
+1.23^!3<,1H)NE@LN%E!S\$W08+'6@UGWN\$UMR'J'O* M^8H*Z"HNS:#&4'-;(<ZPL)NJTZ
P;Y3S&4!?:6,&:&T;.^8RR(?-9\$QN,5M M8_J>
|71T|T,EG;)K_*A|H=X36S;M;4P;W+4D|FO=O_|FLP\$;5ZJJ7G-:@H^QOEON(YVF7CU%:=)
<;B/Q|EYO<,KUS_SY|Z|HK MP7CSP%7AQ;OR*U^2O M2>>+W4;./|/0<.=IO|6=?|/1.K;E3Y-
2Y95W&E&)FGD|V)Z#,TJO|E^V+| MZ\$W_&&LY;W2_X|%1^;5D?;N:U|7=7;75)L=KW-
RNXQSS""\$*N4@B:>OG_21(M=Y OTI3SE%_13:GZ-GM!TFE|8K2JH;L"8)QNL.XE_Q_!+TFD!|12S5<|
MH;RM_Q9+ V;J9_XW8:TU.4AD K=N<""+(>CU8N";KM.0W2F M<>EZNNW->+F^DCJ"*3WQ;H-
OUBP*;1KEH?JR4XAX%\$- "@PRR"# \$4Y8R*V*B7 MP|*W_)H2
(F:V\$X^E'J|ZDV2RVVN&XAAOKK.LC^11R'O:C23_>SX'L5/F:AX"EC,\$K3_B)4Y#"73C_<9'FB.=1 M8!
<^?K;^!&LG|KT=N|_M_=CG6)C&J)PEM(U+|86|'A7.(0IU4@1OD;>GJR|< M;3HIVG&\$Z?
1ECIL*U|5*&_O\$|ZM:&F5MRMA^+7A|+T|KH@14SV:\$IA@<2_2 M+
(68AACB."@PE_8!-1JT|G1GWU3FA;?N.)GN%'G0|7R+*ACH!U@"X8'NOZ/ MA1RE|K7W+;DOJQOP*(!?
T_33R|K:WI&|3G7I+(/#W%73*W|!-3 M":WR2T8KCD_ECIQ\$|?Y1H?
Y'UY*A_G|G5_4@VY8U^<+HM9==|LGGUJ&L7 M<+TK54^A|6Z=IU\$89WD\$(R;M"T1R

0NB>BRC**AIRE&R;3L94N.9C8V!H3: MJK(I(U.SDVV!-
PQO+0FG91SL9+%4_I!0Q5XPB\$@CVU%U8#).1.2'?&:+1G9 MEA73D1VA.JR\$K+KPA/FP%
[=W]>B!M\ GJTV?SODO&B\VLPIJQ1\$,& MVBG-#?A)\N TW'44&C-5Y145.U5T"9
9W"9C:7U,:!VEM_R85A/Q3YF-;IQ M>J6!*M+|JRNQ'3WC71P)""DN/*&4P2PF""\$TSB*. 01JE)(I"0?
+4*))B1FYF M/= 3!(JB>R;+!9@N.TQ^A;2;|BJ@EJJ^LE?V=;/5^T MH=#)1^7%;YC>2L^R?
KS;M6|H5|1ZUY;P2.0\$13!(BXR(B)8_@WQ')(HC).8 MXB2P&\@Q0FMF3;BGK-.1>4|U0U-
4ATH|K|MWS#=#/9'4"W//XS2HKZ>@S1&K0_-
M3=\$SV^HS8&*W|9|E;6L>8"6@Y*)MV+4"0T;F2=HVD'R&G.TQJB^6LFT Q5C& MMLGMOLD)U,-KI?
08_=|RPK&,\$USF\$C% 5%I;D01AE,4VDLH"S&"35JD&M# M=&9|H0@ZC^Z|^Z3G%
<1)1"\$4>|R@B/(&8LAR(7 F^0W2'O|PO_OGLE)?GG.HS""\$99"%F.
M&\$0LX)KX0\$LL+1&\$D*2)+)*|#U#9V:-|JJZ^I;N;VQUA^G43%5%I-EM=4, MTH X4 1_*H
\$ 5J1HR*Y6U/GZ;R| 8>?%25XMY?|AA@Z/-R| ' +90_+OY;| MEDO>/O;-77">|!"/8\$@(5|-
S"D@X)S#*TB(-BYS\$Q"JSHKZW,\$&2;9+0=|3
MUO&UWZ_^YMCQQ0YQ*LN'7|GGONN9.9|UT'G=4Y"R/(@ZS M,)\$JAW JS0-I+>0)+1B)DA!SHVG
SAS,K'8D2|E?0,L3> WV7(\$!6V#/5UM|
M;7|DZ8;YN"9:|\$D|::2YL471X039#4|S|^39874|77:"U|A|R1\$1HZ>W=9=
M|!"ZDMC#8^E|!"E/=,AS@3Z*MW7|NKJ|YBL'Z2S^7|'IRZ%0TR7F4^=|%/!
M*@\$D_6K+JX=FTXU)53.@)\$-|V|2IMT.72/\$&->YJ;X. T'&(P&)S\$FS\$ M'8Y,L+K//8;Q?
MOL;JT_WV*V|+&-:9)PM(TA#P-D&IX&4,2A!\$, H(C3*> M)98E1:<)S>|/^4
ZPIJ1>>Z;+7+/AGUDXR16YJ&-J0@XQ#8.)%=-H^%KM(FI M7|Z#&R2)+|I=&|V5'AC|H"115.P=
|PV4EWP|JMJJ'=,4KZN\$:L,@^B M#&(:%Q"%80@+FF*8D:"(HE3\$<6(U\$|B(ZLP;^G7;Q/+>
<"JE^*W:S4+ZAE ME-(0/8A6|8+&,6FKS*CO0!'^V5,\$LT4PK@3VG38S3?)&D"2,8SJ5,F-WL
MIB6NZXH|T-W X+K&V|WC%:6UW#;K7)K&F33X(!;J_V5\$*"1A4D"68A3F@A"\$
MR|>SW7|O,/USD PYG"9F|H_)VE^5(\$W.H.(P#A-^5VJS:#_J3|O=VFN\$, M:#C)6!XG2+Z9-
(8HR5)8\$(H@30/"HX2F18H|T-|*Q|DH9#U!%|XZ@8LP"/!
MEGV4SN!DIC*G2VZG(^5+)7W\$FK69I=|W4FKA'1<@)X-T/'A3U..R^E)-9XA MLJ@N'!TN?*
|<+5|W|^WVYVT|JX8D^| HP8BX S#)!\$HCC-2)*%I\$|#S9&:V>EK"H*,| BUM((D#1=V|1>(4,,|
MUY_X=CO757*K;H*7|7-J+3BR|&)|B^+-FPZ:"UFRERQ71DKI%?YK??592) MKY&
("A:'&11"S;#)|PCF82BDBT)%F.1+;>&=).8.^?J0!#PEJ+=) 0\$ M*&:SVFBVFW
H91O+TA|_7T+XBG;^)| HM^%||+^/R;.*E_-D*_D\$|::J MN6IY6#9J|
:O/XK7#|VNNFOVE54%0A\$+8%YPKBJK,DB2J(!YC-.|0"DB@5\$? M?%. "| SHG>5ONJ,WWV
MW077ZW5TJ J#-V7-J52*JL.:O.03_ |W#_P7A>*GB.G"(+:;/8H:&-4,,S
M0J0|!%7LB6GR^|12/98L5L:|E5?^;|H|\$28|Y/6%TX^0%SATG07;Z-':DF|J MJJ.:1*ERFV|^R|=-
_96_WTH_BK_AM>1C)W|N|F_4,W7KYJ_N2+.K,=VMA4@#1 OYB>.1"C'2&.996D#YM2OB2*
T8%;EGG,R M.W?>Q*WB4OK&_S.=^"/K:2|?^M'H"IBD;>_ Q^Q>6V4:6C>E38NTWU#;0"
M_)>=DIWUB9IHX1_E.=FI;.(V:/GNRDY7SQ_-2C^T_;/B(5|,I>,W6+J| M0B7&:\$NTT^-2-/!G+X;=)
ET/:DXV=E==&P!*/_ |*+\$/+3H0+G*RXWZ|U MKJH_XPW_O&^5H;+O?L.
HJ\$HRXC|AAC7XDSC9>:/P)L'_06X4H|@)S|(^0"@=HW(+ (R4^&^'(I9
M\$53+L|! ">,=T90+\$&#KRU04@.W'-GAXTV|G3A^K"Y="VJ-)9#G6W4(R&|ZLN
MSJP\$P#V|4#X+V*AGP9XVREF!|VT|'O:+Z.*UHM2|&|EG|J546^&^?)2;C2YT MU_^^T>;M|)/L7EA
(X5_TRDL%P9D!|HGA0\$>5K2=11<H_JE&>?\$=5
ML>G5KA|;U6|%)=.Q3F(|R*3WDB6)O(3DQ0P9BP0.(E)%%K-'3>B.K=;H0Q2 ME51'U5_X@0W;67 F
|H9_|YAL?M&|!'1?QEPL%+|ECT3%SX#=#/@+(+3V-O;- MA;|"P|XL8#@>|69SLW-
TM|SQ#U(|24MX)|;5:S8QI9|V|=K08M4:OD TI!* MZS1#|<0JNIMF(F=|CEB
BWX:N7%4UXX'HWR=\$*YG19L.8(;Q9(T4'N>NOY5-M*|'F.:NAY;5|UQ|R(U#O3/ Z|K@5?
A|7L"!F7UQJY;?4RVNO-9RW>#P%|ZU MI+|TT-8-GA.A6L>%|/#WKOSZ2NF2O-
I4#^|QO|EVD<9S&19+E, TX@R@5'-.9 MFL'2IR%*PS;)4^/PL"/0W=)|A%|/|>RMB|E@EY@?
^E87KW6|YT"\$I%+)C.*0-/QL5W5_XSJ/_W|W MZC2|M/DK7*1"X:YJRXJ=T|I|<%;K0Y(Y,>DJHJ
M|Z|_ \$A*M"51 32%>_&3I=MDI"P)(T"VJXLBA\$/H6AWO)VA(S9^NX\$WE,=PH3=
MJR:0\$;|EV,0)2LM'/4R+?#1HX :SC| Q5|C|"\$|X(5J.8SUR M,^O""7'EBZ%=9;*
XL"XELX4:'K6CCLHC"^^?CF07|'7;).!KH6X ^\$6FN|8- MWCB|=|3VUVIG2EB2Y?PA\$J4Y|\$:
MR;A|!DF&,YC3.\$,IPUG*M9JPO1AWYN7<4P*E(*5?
469|2.\$>8'|>|.?:QBV*ZHVK4,LN|N:|V|+;&TKQZAY^: MM9?%(641AA0QV28HS6 :ASDD-
\$XYI3B/\$JU6|U;49UY*.Y*@[6@")HA>4F|W M')IZ>^1L&)DMT('"O"-5F /7L|>#<%WH4%>S5;F*6*
|SG:KUC:5Q.6Z7J_ MNH.XZGNX3U2^VJGO@=CG/^WJT,9YUG@P8%#LO|J(C"+T8#Y5"LA|V#D
MF95+3TL_9NJYV-,ZX")AS%9W3|8B".RY0|J17|:"V85|:0MH%.IU5(B)^*|G
MSR|6U'64S7\$DU_ \$'+"/9JYH7=V57'((^R:AYF9BLDCYE5K)T+-Q6;_ @^9FS M=RH;ZS/_T?K!
|U79WC=K/Z L'RA-G)/&B5!"+,L0# +O2@/61IPWZSWHA.V M9E8GTMU"i6=|WYGDZOKM1UE1CG
9X|5C;0CH*F5PD1^ !|6>80"|FYG2,V26 MQ|_06|GQ|P8&7Z;4CS/J^_D8LPHZ7L'G?
CY^GYXARAZI_"Y"|JUWP|2R|?9. M@3P(PG<|NF6LV#VN^1O<<#;NW'4E:ZK?
J7)4;Y|VC|Q|T92S556|W+;@_IC;J MCOSV'T?7CW*
(1HB7|Z+=BG7T3R'GO5!55^(@BX5P|@|Q'6|Y/L,XB5C /!S MD,0Y1&'NP|2/"
(Q2@N,,9'E&L%%@=5FTV
M|D|VD=>@D4*>OBCYF;|2>EO%S|'LC)%^DGFHN'_>6V|D(B!|8/Q<+V9W9|;:
M+O!'HO8!5:IZ0R_M"HSD78%:8M"+W-W| RFT3@4"|SC#GVH:7<4T_AQ"+1L_ M^7/(?"I6|^?
BSMP3=IE| M|>T=-O+|N|HZZP E*\$D2"B_-/8AD|6IOA|DMED|IR-ZU9EQ7M%L MHTY8.
H5W'1A:3WK0/&NRM4-W.^|TO*C45FSGV#Z|#UBA,TVCG7.E*Q3|& MC@OIG2BZ.6W\$>'V1|X='L?

2&C^L7%>D 90_:!AD@,G)JOTL N1.TU|/+ =9?
M^M7Z*Z#JJS%*AL/B>5E_[\$J^V+|;E1G&2D]1F/NOV*2"RR9M8J2/J-
G5%3P&F=^1T/H/5/M@GA(P(SY45ZRDJ0#44ULQ#>R@P&16-7S-U=,H@U_--*9"GDS73+O*
ISOVX%#ZKU JK MHHME?EP*RSCQX^*QI,R9-JNF*+FTJ,07KRFD?^V*EOQ?>KBX)I"C/4B-(IQ
MFLT(#!,20Z1E_@P97D(@Y1Z/L1T5&\$; 6/,RL\$0>.P(@E%>W9,P6><75! M5)H_ 'HFT\ R@FBF|.?
TMK N0,21W67#P:+6V 400;31+AG*.H5-|@-L/@BQ M9"W9OGKLDZP-66TVG"JO|;:
>N8\$Y+)G8>E/H*(Y0\$DB& 8AR0(TR D"!O%
MUEKP,+J&S@";3T7.UW%,LY#E#))0J"J4\A2F88(AR3\$GB>R.:6AOCI' M<^Z8NJ8M'N2M\$=@JDF
C:"KW\F//VTK52&O5,N,#?19:ZBRTVEK))6#&6JA' MY&:'R(Z!%>A8-)
(IUT'5V!W6N8LQ:6UBBX\$1I2(IJMV6D/JGU),X=, _J_K? MLB2-4%O"ZBK9%_Q=Z"PNO>32)7Z=?
^'R0H8W:|/|&";"WB\$13R"*T@"F0>I! M%"0\3FDB/C2J2&:,PMPVC_C|O8K+>
<1UVYDZ.2:UO,=2ETZ-.#IOC#W9%E#K M*95Y 333,3M>5D!RTU4=4?PH& 5'8,?
22MWRJG;8'5ONU(XI)(ZTD 4#BRHE M>X!>ZJ@+1K)36>|?'C?5\$^=?VXK^NW?
AID'LBW,8A8C&(!)\$&#.9I"11 & 2 Y M6.D-,4/60VAI/?2:2*,O|JB-3%?:3N8RW#7,0^F&6_9=G?
U\$9YY+&B% S* M+E6UC.D5C N 1?I?Q/\$&/ZE*Q"D):/4^1A^%|YK|@ WXOV7HRGPG2\$(5.4
M>#X,E7,H,^96:??@VDU-,LFFDGO0?L&!EW>^M8 1^?S|1% M9J4A<@8-W69#T"Y\ S
Q)1UW7K#"8:K)F-N\R/=6L!"W60LUN!OLT2&@^EW1
MT\$W5;&OENNI|+;;^K'G!1K@,OY1FC"/IACL6LO!A)FO'A3A-,L(1C2*CS"(= MHC-O\$|IS+,FJT,7:E
M@9BNH\FIEU; _WI?U:TL+RV+ZG1EW1GE69!X4@6\$L3C= MT122A!'HI7F0D2S"*-(J+*=#;&9-
_*X#KXC#5E;25J6A+JR&?P0X/37@"@ZS MY=J)?ZLM_065\ \$^+Y;P6_A%2KU0-
_[30I^OA3|OCMZQ'=>'?%!OOX-U783YN MAVV*\$YX\$PM""A""OU7MQ!-/RR+4H*3),8"
I.%/4UNYJ4|KH'24P<=>HO;'21FR_L2-(R7NIZ0CA;|&6*+G<|P5\N>,VW+-VS>2YOMX=|BUO|
MXPMN94D\$(5&Q*=3A\7A6Y_L?TG,L7NCS+CK|8AV3E =,|OZA4 THROC\$+F\$ M'8|2CZ
T8F;Q@JX9G-LOK(BJ*L^GTTFF0&V4,Z>M0"/I>9"HZRHZXM709^QZ MTC0=SJX%8;>ZH'3(9-1D
:26?"NV506\3X3N =>^|GHF&>W7+%_W58WO))\$|3|=G^:R2LG7H9>5|M M4TYO*W#S_OI920Y90J-
JRTJWQ-14#-,*SQ\$"ACYL3>%T.(MKYEU0=Y4%GB" |Y|V*JSVSO^6'/:67#BS7\$9
MFW7(DX"\$C\$(_XARB-
_DAB7,&:>@/'\$YCF6QDS!M9RS/'9\$Y%AY/KG|K10!*|J"\$@%4.A1A=67GQCIO\$C\$0!8UG4 M(&-
I%@A,=X|W""M|AC^,<+BG4^=E2|>|K6+3YX77,F3N|=Y)P'\$4_1F5NX#,5#S;|R M'G:
(@)D2W0DOW89#JXW='SOJ3EMLZ(CIKJ7&)+6E6VCHB'ZD98;6: ^8AM+|O M-VVAQNR:)HXR
8>6X9C3F 58F(\$XARB)D:SP&\$&3G8;8;-7N6VMP1 M4)(^5
P,32)ULEPM4)M>|,ZQ,#P43|@)\$49Z'@_JR%&GN-@%BUI^38R"0|7%
MG(@/'3_&8B&@VN*,HS|U7|*U8)KBKI16TE4CR^,7LBWQ4(JW_V*&N9\D:1+! M."4R9P=QB
/Q4X9I1),TS)*4FUDQ9VG;_LG4Q39W9/>G3Q4I4I7D@T4Q6A@YN"KCTOB#D)* Q"G\$(4Q\$)C>#F!?
A)QG;_D MCI-D_8W7I-)5'(8).4^YZ7!1!%LB8I#0E,TXS"D&:\$13S@#-
A+'C!XP96IU!T5C+6V+A2;_4E|4^UM" MW(GL!UFOB"SY6|^E2U6FW#|E:8S&FEMC;,>BEH"/3-
=I1-(IXRO M:(10);L2T*^D*0K,\$ZDUAM&! WE\$V?KK NRFP; +L) L>S+;OS_ 'KZ8|E?/(Q) ML|4CCQ&-
;G#!_NQ:5_4YLL:|MYK#S1U|ZP37L.D/R_!UO?7N| MGB?|8%Q=J*95P4PHF6D"\$X!F"-@UE-
|J@%>7QF(!O89"CP_135^U*+'SHVCZ MB@Q/OY6K#\$51\$"(8X3B#*
+0Q"GC,,M3>F3|THN6U_| 4!7E+@|Q?:Q|_ UV11WW1=*!L| M1 B%08H81(AED) \A'|@^8F/
S|C1BX2)US-;7|,C=^|'G7&,48.8-<|CRP. MHFVZ|D#0TM&R>|J|N> |6=6+(-=LC?UKAL-IV!(INE|
|YBH|%-|J|S%P/E M@*>E(Z72.| M9;QL 'ZZ290,M?ZSZ_|THE^4 GG,'-WS)|-9@353?
@XQ==OARQHDJX.<.;7% MCG360(P/= :#V)EU+ _J?|H*,64U'BR^C*,>:5>D:6MAO:Q)EB8,1SX,DTA8
M<#P((:91#\$.6123T8QJ;E<0P96!FW36P X?2IXUB1+9X8/V|_.6+,%R?^G_ MR.ONN;^;&7?
&X%_ %2<1 7X:YK\$/PN@F H)C3* N;|'"B%H R) Q6\$2CO M>%DI%*54.'CJ6<5SXF0V1XP<
)Z5D#^2U2/37U+1^RLP+MBLU4-%0?.'\$;V MV8+BR+0U)K^H%6L+SDN#U7H&K?
R%=4>PS2ZM9=:3Q>8RV+HT) L6P'B9 M/N?7T>+K!UUT23T7Y,5">?&IW==?
MEJ_S0I154QVD.C;LC=?JPU;DR#*_ (#D M\$#-*(?
(Y@81Y%/HYPB'V?"|+M&K(GRI)4G^E9Z/7VS=3,|E|Y: M<@."Z4U7|H^BJH0?Z))V-W".R^X)>+5N,-
RWV,B?VR+1JQ M,TH:S4VU*>C3_D:68YCA)/@BM)8%OF.8U MIVZX\9V|27-
'='>|X5:Y)PS4LOZK(PV_.CA.*X\$9T#%3 GM@ MIM2|JNNMZ,M.MXH#MZ#HWY\$|L?
NTOSVGC_ |FK3B= _55&7Y19>#%S_FQZ,C? MW%RS&R Q<>^N,|IB%_ \$&(HUOYDU>LS.
5#C0IWTMN<|'"%G7%U:XQS6(FR^|Y MB&*(J!?" _U#Z-&(81P\$41JG)K;/:5(SJ|0N**VL2MC3LR^>-
P%7D)/\$LP|B' M04081(E/898A#BE/P@#G-/>SQ,07X@@N2_ ^C,UCB&.6I+|#@^D<0Y5X&4_ 'E
M@7\$D2T-X 8U)9N;&=@, _E M-\$=F|@2A12WD|P*_ -(XUWC"WB|_BYE|M*8|ML_:PT\$U2QWM9*MM;,
Y3+|RA MATGJ(1ZF/\$J'!(Y;/3MX+/|6E_1YIL;MA;M*4.QLD4>30BW/@#AOP1K+9>=Z MDK)\N4P6?
Y;&I1T'/|@6XKOL:RT56V^22/SJ+D)\+XP M?0-R3/L5 MBVEH|JXY4_RGIGXK='7A<5JE(EHXE-
|>G=EM|6?Q95%T)WG?|W|<#?REFNGS|A|UR1ZE <\$) MT6OTD)ZUF958S^@*|%@%
(UZ?!48/I(*.7Q4Y,N(8_ "5Y!HHXX9ASB92|P#U M.M CIAJ7GAF+YF6N0736Z,P98PLW17,-Z&\$#->
<4;_,E'AZ*KF|?55J6T MR+DPZ'FSQBGR"*89|'B\$(JR)+0RV""\$289"<+0,^JC/(\$K|HB)'645+="_,
MMFG\$Q&G |2>(Q@,#ZY6"%A\$3)R5S5G(Q&E*"|=,G!7Y,&CB_ "N679"/MO*Z M?
NQ+C^L9>69XAN7>3/I9>XZS_V)8AHV+@ M%CS,O/Q5;:F^==Y;ZQ:'-MCJ:829\$3/3%&?
Z#,X;H7\$!\$JXZ,5MPL&R#9GN(M#OHV7S"4G7|J<_7^(8^EI?PZR3|1?287\6*6>B2
6>1%\$"%/ID5X,L#+CW+, M\$^0CHUO-"5KS.Z14YBJI2F9H7DP!I*=',(EMI#Y2\$N^HCW9G5?
CU1#/D2:8 MHK3HBM<0^>7*UGG%TL+8|7K7J7QVVP5&#-&(4410DF8)S%/?\$R>*G,\$L\2B, M/=FI()
W|49!FYG'&VAC:ZX)@6SNL^Q9TTAS0=6%JXC:|/MVC8;A8)6W0
M\$^&K&K;"_+"EOST3"&>#B'|\$CEMD|.XWN*Z?I+Z|)NJ+8*;(4*)\$-D!^U;\$*

M%:)/5!4Y&!3"4U=_^HH:\$A_VB9"B30&62S 2%^@<=B1P5N6[A]9+A'\$8T\$ H^/PE,
M,R1^#6F41F&&L]SH_.F4N[E=3%W8W2Y=7JW8>IZZ/D%N 6YK#34:0/9\$A?L
M6!8J0?!LZ%R.H>:/JW7FAE#+|BNHM,J;|6HF7\$ZU" E\F)V+&KGAH\$K)J; M-#.% "P"IBN?
FU/>EO72S0'K@5]O%B+FYG=7K>QWWMY7;-ZIV;;JBN%&{ \$^ M]G'#K^YJKHY3'YMFR]E;_%BT>
/WO\W?.U%7BS;:<&<4\$|6\$@VZ/O4!2C#S MO20,F%8A47CSI0K('CMZO^
@56PXW4%.FY!S^ZNAP@VR11U M-&?GCP?+SX29FO|_P23HGTB6GPR[4N"DV)T-
'" +W|3QP1&AQ8X8;H\$9'T,< MCVQW5/G\$Q0|+KX>3YR?
9IV/8:Y_ZN(CFW9;+6IRWWZNUEQ.)CR"89[DLAX) M@BEG/LPHR=*JFU!6ELVPYCJ7"J]D[Z MQ]5-
/6YES7]ATW_ACSVAZ_Q&F/"T>,2;C^5G_J.]_ ^LD3E\$< MQ3\$,,
(UZ7XB/4AAF/,8\$X2X4:SN1=S,KXPB0V5T\$;;;JFDIQ P5E6 +JF(J MDC%92T6Q]M2KL.O2@9WD%
)7"NHB7I955RY@.U!>3@:U]3(RM+'?^2NN]_T? ME>^BRQR|SG/Y]QTNRJ9]6VTVN)7!,&O,-P):^S-
EMU+?VY\$N>?+?F7NEJ]Q)N!\$?@.V_+ M%Y?6*X!S^5\$G@G(JONQ:3LK<)(OB(9?/HY]J7'1VS-
3G]!/CLGN)(Q2==2ZY ME)^%NY8X@N^P8XFK@>VTL>H^VQ1WI:S?T8<2^R3&.*4<^E&.
(\$*\$09(S#'.6 M>|(' ?1+'1FFV1VC.; 3N 6S40GRW(R]OO/^;LSNY"#|*(&OEC3*|Y3H&FIXR MNQ
*_6D(D.O=@3.CI2'LLO&07]6#6%BEMQW|^ ^ M %R]M3]W9('W'J=ZN4'>Z;:>7JE'_2ED%NQ/?
|#"3|>; A1(-GWI3XYE&=US M6!-3TA.CC-SXF?<./S4WPE9^M^6R9'A;.#97E-9;|>
(ZR!>QUX"HX"+CZKS+YD# MN.<.%*4@*N0PC.&Y?*,T%.*R^)NIOV-FAU<2=,F-
#3|09)WCA+|=S*B1|[\$% M!KX>,,P(-P&WE<7 "LI,9N7F!6=|\$!#|
MS|H.7L>#"0^\$|8 >Y')Y>4>RP+LPR@+.\$0XCB".PDC|RAG*|6K;O@X1!(U@45BG6CEJFRA8J=?
^>QYAM9>@773Z,G#*U-US.HIW=? M<5]E/ X/6 /*MCS.@12#MP>1%3V#"^4L^<43N=I?
&ZX>Z7./J?0GD|VSROB8D!:(T%*8NCR*(TLR#A* 4,C^B.\$AY&OK\$K*?Z2Q*S.^1(M^|SK)&D:U|
I@HON#<(ETH>"1@):N"/R6+|?| 8&%/>VG!#QTG9]TB)F M>5M7LO(2KV7>Q U^Y/5-
7=W5^*W]S*)0AY# .Y+QUHB\$.BX|@|1FD?2Z(K]%)>&^.;1M]86W MV]J4)<372.
J]WD(A/T4(D(D!Y%,&68T9CZ, ""^F5&A2WJQV|_A6E]S(G|/ M]VI4N56^U?
\$.5(5->:W67<;!DR1Y%&*&\$341Q"S/(+<|/\$YQYC M1,L.F.SKZS\$I*T (.(A&>XZ*D;VG--(04
MM+|B_ \$52^A5A!|_ &7C;HX)A8!^ \$&1Q^R*42DRMX(E:T. MVMH5B,9OS;R"CE3F^;M)^;%G
DXOF|YBK\$)%O+RR 2,!#E%,3.TN-TP-OM6]Z,%N301 MT616>VN2.V%K;"2PVE2R[(;/HM#N0'A?
|O(5RD<1F MFN:(L'-N1F7H%|XGU<@&'#WVFH|(P\$=P"8+<@# MV6<-
>="3TE4/X&EBR_8!UA+|H!>PWEN6J>%BA|].W|:<%>V'KIGJ4U^0]TU5 MU]5W0?8M?A2?M\$ _K. S|
H2R(7P\$"4H\$F<1+X?B9)+Y&8HYS8T]9B;\$YX]? MZGK2XF^XV*AO?M>,EBK>AC:S3X:IX2;8ZBF(N1
S4Q>2"QE5U?;\$!!D960X54 ML.,%# ,PXS 2W@.;|5XK<)>Z67SO"U .4CKMAECQG#^SU6I8M'QYJOL7]'L
Y1F M!&;J; Z/(+2&)(P""\$/_3SPF(RAKH=CC-E-3Q&/P]_86C|)\$)OF1@_0\$/U/L_2F8K,+G3PYV:<3]U2YD
M^SJ7?HVC)C_"691Y/H4D23!\$ (8]@FB8\$(I8QEN6<^J%1V*49^9GUU#BX^CLO
M[NY;SB#^QFM)TMWUW=|,0),V^U027@8;0B|UI3H M*+;Y@#;38&.,]YS(WR002YS4)!P'GNN1?
R50LM-@#D=.6XTBKD;|/U_VJ>K
M]S5KKMB_FO<_Z.;N3]SYEBW0EE^W3X]U\$^R2U_3EK=DTX<@:O]S4>>63'U MQ3ZOOF!/!%!!
<;NIH)%7&4/ZC;J4(>P"V4*,U"4SWIWFGL;+= |HXZ=%U@S M162)J=3MA|@Z# F|#"BKD M*
|3"N)2Z0R7O|Y@VDMW2H*)A2E>ZQ:F^&&_(.MLBRFQ)C6%23SUQ|\$I\$I M9*JK;B-|Y:RP=WW\$N.?
%!"!+B<7\$B1)(D\$?E:J(A#E\$HCB&61Y IN]IPI|@##
MV0/O&0;OGL0Q1NZE8&EH!2GD.&X]4OGW/T5T.JTR(\$N_L;G#5>HFBWPXY\$?
M(V:6.F3HB._ ^=#%);6.%3I03)PGM%XW3W3]RLNB]C|7+6|\$HF%7'_VJO:GY M0|%|N*UN]/X2A#8
%_Y M77:O2WH?HF8|T=.;Z'L,W2S*(; XDC-Q*|SPY50A?TWJ|_Y4L MU|+#5C)GD?UG"ZU^4N "\$-
OE"EX\$M9L4P@NOF<@LM!UYL83#"T4?YR%>_I2K M4.H;7C;B"RA _&?
1WM_4U;|4@&' R#Z+Z&,ICK*|;<;NM?U/;|]'J\$!@E&\$ MB"R1D,')R'T])|\$/ \$ TX\$9%2V?
C=.XPB%T9FW%COURYYOMV@)=&6;N;CW; M^J>8"!?6>,|VY_J7?4S!CO/=DZ_-2&%9=-
R_N"Y8C7^9,RL;.#-N^H!% ^6:993X>1) RN,(
M(AY22&CF02^).A9Y1&A]K5IDTV1FUL5CPF"@#/]J:&O:FV=PFM:A]J0W4X"6
M@FLK+3VYIC2.&&&D;<10>TUS90!%U(2>@.,;UWS:ND*|8+857(N'IC]V9]BA
M5#R.2!2G(8QP'\$,4ACY,8T8A]4CH>9'/:&;466B*V,R+59"&8\$0<#-3-B|.? MQDO/Y'&%@MFB?
4YU)_X|%>+|RN>N5/QI4DO7C#|K|'B|>??L50679;XC*I2 M*<97I&EK3-
MUH\$|87\$B#DX8012+_V1A'D"6)HF/2(@8,BH">H+.S(NY+SBP M(PO^&@%;%IT!9/>0G8@O-
D:MI';>/F>DT;4E^OUW..VU^M7 MC(E);_I_/@E#WE|C\$O@Y"AC,O9Q!A+T89AG-H.= 'B&512.,@-
;MG/T)EF0OW MGN)J^%(VI/=YPQPFEZISJ0W6Z?6@EMENH,|,3;0^!|O&A&G,O|HZZX8H^
Y'FFG8GN.&J]K,=>|JU5%/&_S2 M4_5X<+6D|/5TCY#;=G%K2?ZP?+6?.V23FK7^?L?|%]6VI)-
D*Y5F4+Y/QDS M_0UO9)3T%W'JK@OI')#GOE>3A(?NRF:&"W;_U6=6575UWQU??
CJ=ESV3|BY^K%Y^_T74/ M4XVHKA_%|WNCV+9-
&X6P)WVE'/+X2NTG)L%XN,=Z>8A91FA7=R515Y07+9O M%4L?RS_*>M9 M|,|<,
|%|>"R'F"@>Y'X8L9"3*|V9R9SYDWB1'7H&-;!CR,&5?&V; Z*!JP M9QX,W*|7_5#:+*|!,-
;AA'A,|VWWO;Q\$|RBV1;RJA-H'J\$^+|RN(MIGXG+9 M"/AYH3Z(F)^9G-
WFH3:E+6VWM3!_9*Q,'Z|A]2CU"0YAF\$1"^<>RYT*61#!@
M24:S+*,L,XI2/\$%G9N7]C&H7CF86U'(.)CV=Z4]X,YUG(|>QJCHCE2-52]9U49|@40<-1(?
2O9|P\$6M*|G|+G;;;TNPOL;_N*G"TF*|I#A&(>Z.62&M&=>E2-NP)Z=%9_17451BSI9QJ9(CR]L&?
&S6S% MFT%FD:5EBIU^=M.;-&IE93GZ^AFE85F").% ^93KB8FE7EJ*.TZULAI]?MS6
MN&PPE=^AWJ)&V,O]C 0PS&6SMY@OF)'\$@S%-(^+D1]1HX/' 869%>R(GN59 MXQ
3O5/&19*.J40C(8T/%B<%<72D.!Q _T'B_./VA98KV]W"CO/HE5 MS/_9E|XZJ]9?&2PO#A+;|?
_6&>|ICE,,@S#.(;C!-*8RC" E>>QA'B5& M<0.F#;R]5/_YLIA@/_-I'('9|+|49=
<'YO3|NANT]5;YG|B:*8\$=)T!1 M6X&!&=|S W;L=\$|_R9# #VNZ62+BJJFY*?MGZ|Y;@'%2\$MQW"LD;!#

(I2U!%W MO*1/G[%LWC)8!A2A,/,I&/' \$Y9!@'" DA"F&0L9HSD)B-A3(/6S(JGBW; MDUZ!CKBEP3
%FIY2<02%F?ZP1&D/MY^5S5;9^@M&R9JO,B'U1EUWC%-C6O MYZ!^.%5=?
R=)@IJEZ&OCI+777JIAZ3XJ62N_ZNLG"M-I5AR;9UZUO
M^""_DZJ4.CT3J6F1VZ=2JE)S(N(1CBTSL>%BP,_"T= (45S)B) =7_ND1(5JQJH
M19Y04J+0+TJKZ6IB90I+I^JSIE9YU&3D,44B)-(I(N M5?
\$YINFY/D5+ZVN<=5_C,45I+ZND;_%D/(V.H_Y(HGM'J2).AI@KY"Q"JI M68?9;6=%<^4A/DEG65?P.7\$/?
+YG7S-/8%,-/6X?IGXO'XNW9<-JIF&#IW0# MV(Z_/7>HC,J:OBT>I\$7Y^>^>C)9V11"7LIT IM."#Z!"-
W(+;ZIL0%?TG: MCMJH3 MF%=IV8LC%0MNF1J'MIUYTMQ-IB*72)R/KH;&LA^J^JOXZJX,W(5Q
MK#.\$428MW3"3-5EXED*!'"&>90S1@(2A.FZK63"^MF#014'1FMWQX>^8^1% MDIIZ-^I8
H(O(4D;F=);-C;J8;?FXXI;TBL\JYPZ9"5XC M+I=%T\$RX-
^S&7^T:5MF_PDW(AOKB5P'F>Y(@G,.1A*HU):K. 4"CT#2(Q)1A+D%WK+RWZ
M.RN8<0LPWK3%@ZH5G6I5J_H9LH:'3CGRZGIH1HE+>90!BEJ6L*AY6_09
AB96:@SF!\$45CN\$Z5%_I4YA1M"<IAAF-LPE M%9-4\$H-T8
DI*0MUR(RRD@IMJ>SSSU7)!\$OB,4&X=W%1%.NVJ"4_,O*\$-^04
M#WR:QAY,0OI1,1_4AE)\$_.+03IV8IX;M59WQ=C,6N\25<6^%QLI/(ZN38\$C M!Q.@FI> U8S';?C1P?
#M5>Z**Q3M.:W7) X4WVXT,R_@@\$+JIBZH6 M7INBDL_>5\$VAJFVMY" &2>3';&0!@2CW?8A1RJ
713I-,*M4)2XQJ5)<@OM2G3L M(I>6MU;TL#S&PKCNB"?
5<_0;XJ>;5MU%E8I#M=MIBND)'^>EI5,Y?H3H!
MO\$SWN,3"Z%;UK*Q6%ZNG1UWL;O6L8./KU2,/FI^P_B&MJX>BE84;55+!"RS-MJ_9I:"V548))DL
@)RE\$S1%GQ3R.8>_G*0I"WP^C7#26_RMFI2RB#KHL.M:# MO*>O?X=W#JSEY.03_U^RI_DG
VF+LAJG@-"_MG0(B-T%Y00P;FX?26<MN&<I\B-XJ:HHSO#G5?;T"L\$%;/?M6:5Z2'TIY?
OE8"VBV;DI+!OZ2E%W%+!Z3_MOBY4)=E(RT4H'A/@66#BT0?K>5I-
^:V^L+;:UJHW<)B9S)D_,7_B@FUZ< MJ*_ \$^:C+^>E-(LIGC%6P:7J'8,ISC4-T OFHKS9OI2
!L>P)IAV_5I7P8..2 M;#G#>R9LI#R+P)9_PBP%-AVYX.903#N_C;R M2F.9Y"/V<,OK'&?<*)/D/IOEE@XNF@UI;HG:HE M-
"O3VV'L0Q2QAO>2/UV5;W*L1V5_ZFJRVA_KLOA+.+,JS>|,%N6>>)SWF: M8;@ICXOS9A)
'(4H#FB.,C|. (K,(I<=,#6SJOJ)*(N'I4_?6N5QB*W=%U,Q M#\$QV,0V)A_TT0!G\$+*4015D.,<_%A&0I)
%+LP1I92.^VC28)RC>RE? MF1% M0Z5CMVB"?)-I=TT-MS%%.AM*\$L#:
I+*,Z@9\$ET'4,CJIB=2RNAH;R>50E M?'="=1A+IA E5P'F+EA:-
NK<(8@'H>@NQI;XE"N;HKIJ_GZC;YMAJ8.NE=R M1IZ=^T).IN#R!FKG:F_5UY_*ZA,AS(W<&?
\$=>BN.B>< MW4W;\$_.?9+=S4<I:M)3M>8/KJFE4.KIY\$S3^1%U?;=I#(08Y\$S_L M#
(XX3B\$)LACF/HL"ZOD1I0.SIG;ZI&=>JSTYH.B=NP&[%\$4IFV\$>;S6I_" + M-
L^5V4I0JE+@'5S4V@OLK-F>=J\$%^Z?9PK(84LIXQ',IRI?5IL^#*C8I>A M+U-
MAS^.,FW_48N3;!!>2T7RNO(\$V;WBIRQ#/,HQCBC%D:1A#E"8YS#P/P0B' M69;Y&(=1JGN-Z8BGF?
7.GJ%Q*R>5=+I(8)QRKGCM8UH:4%8MZ-C5R46?;=K.
M7WF^PF28*;HEY\H5LXQ%B)\H1@D3V50M#FB3\$C/I M\TT,W=F@=-&^J<,3;IM9#:92=S+;E@.B
"O%4GM_IW4IX/5LXIG@--LU#AHW M=8S(?;-
C!8QX60'%C3MKV0H\$1P:S&>U%;68K6%Z:S7:#F+NTOK;_OJGI=7W;
MU.^I&BG"/.^=M_<5VQ3>8:UP,G>L:D("G_9F,17:REVF16_QIYF)N&-WFM%IY@?C43^1KJ6&
MO=FVPD9I6VTJVJHZ+/#/^ZO2_JI@R^QEF*;X#R+R80Q0F\$<1A\$L_LBT(61"G'
MN;=^5)FS7U0QQODSL EYDQ7PD@D#&VZC&A7A%A!^5Y2JQZ'8+;L;I4^N1KA2
MSB@F(16&L6Q*\$@F#&?8XQ)S0)'0!SA'I<7U?GBF2,#^J PLVF/*2S8IF^/M7--TV;?4@S.9M
M*;2J&/U;M?FF*DP=:FOPG_"D& VWF+O\$1LBQ3J3J?8LM M<ILT;XJV1N^P?5VB/C"O\$2L1U"FF
9&\$D0)#%&D%/'1W'B>Q1GNJHAXR3F MOF%21-5-2D_60-TGWC5TW#VV8=>CQ" M";
<088XA(H\$4I_S(2-12H(@CB)?JP:/%LFY@TYZ;KJMM<%=;=#'6O9XDINR
MK*;JH\I^V>#2O3Z@!JIX/SRU49GKJ.4I?>Y3V1\$"@#M?G;ZPCAQT&@07 MIM>(I6-)UOI9;^I
M:DGEJFWK0IPK5;WC2C;JLI62"@&O?M8BA7"FW:=Q0@Q+R20,1Y"E.<9S;J4
M_0P3S%F28QRHYAX)VP9+77;J/AFQ.I J?U=UZ?A> X8CDB29#GD42KI"\$IG M6YQB2
+3L_LPP&C^H_LUYN)2_V^='?B%,HR:Y%-\$Y) M'.51XNNZ.U; >EMGZ*L KV?V+@^EV1;:;0".ZY
SO88R5=2LIY P-K#O-I MG\$+E*B/\$#5/+YH0X!?(@*13MZ';6PSN>%^6^8+X2LO_=>>#6US?I?
9JHIXQ M@IV^CN^X^N4I_#S\$@99% H;@2(FKJLPQ"&F2>)I?DR-NA38L3'S0: C#/:4
MS=2C);1ZZG!^P Q/\$!T_8=\$17RZ4O_M?0(K<#GKI^X,R=JKL,&4?;SI*)
M1;7;94"IU&87CN:T(5U'4H804?;J7%,@AS%H5:8"8(H#BA,DPQ!&DNEQ9#O
MA\Q:9IH'N;.)BKNRB(OJ/18TF1U6""J2)CO1U,Y)3JO)V=#3=C-C M;*)KK<7>TA?:6&=SJ0S-
OY;I*#GZ\$%G@Y\$FKWPM(RJ/IFS8W;S=5(P^MV;GY7='0CR7IC!^TJDR=&V-F_2-
)L/R7LM'IP*;>9#NBH D46%*5L8ZI_ M=JJ/N>1 ?+"M9?*_8*7X5K MWH!)7,Q;FI1VKZQ^:F!EVUO?
D;I@R;GYYZ_MH.S+%;_Z-EUO^F0\YY SE?
AAG*229#G;,"8)IQ#\$,*4U)'H6!EU+C.BXOJG'S8/+CI3UP7T@DR.#W>EVW1/KVMRJ;:;%\$RUP=IOP)^K
T0!FF5DQP"(JFV;J(65HU M)F6;G4I>M)IYS2DQTTTP#ESOW+^CX7(\$QIZOQ,4(V;I13>#;:PJ_!90LJU)V
MKS0S^G%FKS5#=#M%IKS%31F%N<I Y\$1SGE-QB(75S@#0.Q)ME?#N3=4BZ>I-M
MBI++AIM7I#_0IO8USR),UP!"TB|=8X%W8K\@CT@CCDV,^#.#+R?9TF-?=F MMDL8Q9*@5?
*"9STC%DWTIOM&WO!JU3:0:=47M>>6I02A13_..(1(SHE7= MY<3X,Z_4CB)0).% 4S^
IA@@TZO3@9AF2I).OJ.HN0DYK +FCHVW6*\$5^_R;4E'Y;+ZPF4+ QF'PVL5JRNDVWY!78,0!&'(
I"RMG71.M)'=6U%&'YL+U' U@."SE;/'R MG>+X) X
57TM5@YNAZK.QZHX_XI;2W,FQ=;9QQ1CWB!.)?>011AG)(O"P1 MMH<7!X\$7LCC3ZD/GAIV954W"-
AQU15)'ZJD-V!@RDS?7#@#>HHH.5S--%3'
MU^HEIJ=*SZIV&.JH;A!RY%6NY"91=6=&^!>ZD%'HUHJR*HWE:E).Q+*NRV M3T7)/I;H5F'N1

(DTK83XD70X09AUD8(O%K@FA",X^1KV;3L:6\!M6XY) MC_!S'@R5V6FT!65\$PP,E9 L!/?
J,*/A+D@6*KDN\!H6T=1) T9!J.<"BO&3RE,PR"0"!FG68#! M#MFYZ*3M&9>R8"!YS8^K^0V4JG'B?
BF9YT14=1370T.\$Y<'F\!/.3O. MG*:T!FK,B'1Y?SK\A&SM>/E3
\$9\$L:Y5D9Z@5E<<)3/Q2'\$*PN&T*81@F' M>>@E:4H#+V%:18+.T)EY_>ZH@H_E-SYT59&;LN+!-
S!.%1ZJ\!@! &8K>"_! M5WZGC/^=W/SP?"9^WBX,P(!"SX_3F7A/-
)40^#R*>FO:%0IF"WN@NMK=IX...+B9+EQIO(1UY.TCB=)+;J8=81^N:*U MWC\$/=[W%/IZ*T8KV+;
!K\HJ97R\!/*: @#IW)5K0OW7*L9!UK?^:S\SA_PH7\!|=O7
MWT#>452):E1Q:!)":HCKM#*8"28KU2!SSSI&P)B3%=CQ_G;:K\$#/SFRXZ4>" MSH>?7:RG6QR-
HCCMH)B(TS0<<+%(3#M!Q\&6EB.8Z6'9W/Z++)@H/SD/@G3 M(!/Z-9-5D5"-
<4P0!1(!,\$G\O/RB8TF\&'=FH^FK7!-6U"!;1S+!2.K/-
M725OPS3KF;W\$8EHQ7B"AF=:S%DY\89X093G:(DONA C# M>CKUL>TU*&ZX;%KZXG;-X>-
)*:RG%7@0Y108:%\$&94I-TG 4>"CQ"BVZ@2= MN:17MQ8ZC>C/8>/E/_LB/_JU&'0M-"/E-
PZ:U=9R"8K> 3L\T.;GDJ>|CB/PUYXG\+X4)|=: MG24,>UD;XJZK.>9" TU25S
D:7TO0SS4>B. (\$P8@S"A&,.R(!.8(RP03A%&4!48Z2IORW ?T M\<.#K\HD0\H\G-U)X\?2
=MXB&48@CC<|FM+/-/U3\YQ#49L&|8CT\$9>3TO- M@J>9@CJ&BHR %(>7=|+DF?\$
8RR\J\X%VG27;5I@!L=|P+C 2RC(!CT>* MK'&A%!ZFK3OL?>;M\$*J3Q(3A)&"0\$%F2.TY2F&
(6".43Y.)DQ+.L5\$|Q#F* M^ACJ:1"GR)AICA%L-167@|5I6&&Z"=M65U% M2YREMVSL(-7*:
|US02+X*'=TM\GS)\$B#+() ^E&*(TCR" MF<|R&(8QXDGB48\GOJG?AW3FOIY0(7ZX#UVVKN)
|!B04TSCR> !Y(MC>.(8 ME@61!"F@6<|)"PV:1#C B3+CB\N-%3;|!\$---IW=?@634JY;+&:<9K?
MH;)\SOH48HJ4\|J>X BAK3JN\4AH^M_A'7V2\N;W\I3^K\89I?'@4IM#| M/;>JO9MX Y
MN^3H7)@GW0@^&!)Z+2*!.+PD7/P:>ZD7(NR;7;MV)A9\8V9 M4F%AI&<+M(O!%TR!K#B"?!-?
6@!"I(N9%_FSJ0T4PN69'VDRI/-9 MNGO?/
-9\00ZIL".*_6@Y,N=XKD.%T=ZR9*)1=7694"JU&H7CF99>KE+4?C"
ME:|!="KS9\S3#*LMB'//.57SB#&0H&.!AW930LU:P#H9Y&<@V,F?
Z9Q&2FVVP3B5W5>=8AN6S99P,0#J\ F\QK M'B7_E=YSMI6-
;=|N<-.HCB=R\+;=&EY<<#|QB@DH3F 48RK#.S'\$&4P)A%;
MDRSC4:05G:0I\DU3,^E\O\V#F%YY\2IRKNN1.VI1C'&ITJ7\$S6MJ%X)?D,| M-D+^80:O63TK\!F6S';
?ZO,"&VD?|DN\!\$U8+O>'6IQ'\$R1QL+XS4U"@&H M)C(%7%:;+(7,33CW +70\MF9Y??N-@SQ9
W=4_WG6PCPT06?;M=2ZX6*ZM,@(I#@(!L\0F?_5=PQH.Z\$ MY58@F""9-6\@LL,<>AV:"V?
4&|PF%|O\K)%6|;-YK;&LC_055W+G!E55J+/-MB=)MRS8QQLQ:09
&/6TP)F\0JFT*@.FU\5)VL^5\2FR\2\TA;-KR38U\!(M MV33\$>|:23>?
Y2|7E\VVBY7L9J3\|L^VI^K\NN6_(O3\K;Z'3=BT0@UT#YG
M:AU0ZOG,3V1Y#"+_WX,4S\DD/E!RFCFXP 9AK\|Y6\|FK=!%E'9U;V7@9,_E
MMG;"*P)MIH+VC':G^G\$JSJJ/Z54?@!W#LH,0Z%E6C245TZ#G>JS(MYDC?<8JG\X0?-
|R\4HJ04VA\Q6Y)6\NG%6)B\TN@'?7\SG/4!1\$*8<>|V2H
M#4T@3AD7!R^&8C\4)CDNL\6\$S1F5I@=/=|E!MX04\ALOOV M%6VW>+_
YNL\$%^U.>YH0FJQY&3FG- YC.6#-K\$,D"5_T69#V9GA<@F0?FM^4
M>Z%C2\DIH70^1...W!,'2^:N(" G&;QF\$IN=8S3(K#8<U=L MK*\$V/-+*>IG)\$E)!A,J>RB\$V(!;
M>U,7.BNXB\CA?BQ=|)2PFC\$4Q^B*(TA"A(.YXG, ^#("(|S4:CT6V5&?F9
M==OI3LL\0V#\$D9E...X193Y7-!YZ9\C"/;8:*SW8X.%)5A\07U5!VP+Q43):C M6%I?
O<*3"99\!WSD\$WKSM'^D\QYS)>LOJO_!*=C;%<#UTF:Q\$G&*0SS.(PX879ET+EE;ULZ;
=0#XV\&A8A MS;PL\JO\LN%T*X,7^8_B7\|/V6UP^?EQ^;)HM9U\%;\$K;RVD>"M32\$=9
M3"%2)J&H(I"W*A;#FB\LH\YFF9AA?R;->|3@#.19 SON0S')9#L@8X ML&02 X-
(F40F(CS#0V%X#54KI<@>|ZJ=/M=U\| 7@9JNVN&>;L9E'&E^_S M%5E\|P>C+11-?#L&S"&('PYE?
D7S9;KCOD<@7>|85\|30L,&W^G>BIQX?69E M+JD"21;ZSTRXG@/|ZX\3TI^_17
@N)F;/2,S^\$N2=W2I<48XJWN,4V,N=G5Q M1JCO;<6Y1RU"0*6YU\|S=5_V_K7XO'XMW14.50U\|
/3D""?RK"0%\$&10EN MBP>N(HL^WWP\$|W9I+R;AH*?!.+ PW.!@MO9T(>@|_*XB0\|*;A<7>GK8Y;)"
MSXKV+;T-.V9;O4\23^P1MY*2F9M^N0QSE*P@AFF<KOU=RLI@D=!!FZ\761%3
M\XJU)E#;Y3LCBK0'5 8.%Z6Z<\$/*RR=?))RU*^=?7(Z_9I%U1X75\|P\5& M+N\|+|N.7U%Q7)*WT\|
(^?JPY+;J3G(^B,,TS#"T_11"%R(=IRA.8I9Y/2(9C MG/D&GX5^2;1AS N\AKH52?
M4CMNY^_I^2=SI285P\VB*&KPL(N6%J\YK\!# M\$
_*\$;L;O@3R\JK(L9\SE)A65(AU3&!'!8AED*,YQPDD01ST.D
MEP\$|2<="|YFI\;D._|XK1='7)M9W)9X&Z+PO\|C*AK;22(CDJ4JY79-A:GWW MJ!\|H9R?=B@8.3?/2C?
ANGS\|F*.R;/LC\|V.YQ\|V5SP?2W\$-5 M66Z+|FDHO#SD?48HHH23#+) '%%1G@MS+<,41IAE+
EH'*6Q\KV3#L'9SUT\| M"T#Q 'HF=G7!#3(^M.!#. E\|BF,8\$Q1"Q:&'69'E;/\$(YAC3V_#|3=>D^HU M
|P3OA\!"HY):6M"=5^ZNX3 |SH\Y*EG0)%YQ3HJ\WT*=|V#8DOU0\!@3D\$K?
N0\CYQJB3NKO V,"S<0^HC7, M8EN*B5#CW<7HO0N*^<|^M'AZ*5N6*?|H5*&0A"?)\$Y@QZ/H
|2;/EK(>=WM)VCHC9,A_ (MKY\|UY.YBX\!> W?KW4A>1VM?C^:B>L (AISE2Q\|QC&6LG_/AZH^C*X<
ME8VYVJAO@2K#>SQ24X\20'GJ.A4^RTI#?\$?(82S D(?8@BEDHC(=0G*|0BO,X MB-*4&/7V>!4I9M9?
XQ2XK@H<4;3=|QCS7_(G\ERH\4U#1:6H')CITHX@Z"B"\$4EW20*, M3(|4V"DJBRJ;Z*^5
7G'CEB"8Q&F>YQG.LS@TV7L&9AY3QJ; M&^>*(^@2%,WV(6-
|3:H.6\$RTQ"/>Z1+FN"Z%#_MV=I=Q8..+_60N_W-%A)'
M&Y\Q^45W1%MP7FZ5UN.8API(_N\U'+""G\7;4F;;S>|SVD4E7#%6-&9XFAP
M>|=)>R,O_!|Y2QGO,*6YYT.>HA2B)"40,Y\!Q,6/>1H0C+2\|S*S,QJ:D<' MB*T\!T*\UL-
@9C,D)7@SX^=OS)6\$T4V,|SH!@#0R\|@8&Y9\IMX\|*L8F+_(M+;')|PJ.<0"
LS\$MCF>&7NYD,_JJOV\B\$8I64JA9Y<|5^ MOOISB\$W+41HS+^4155",O*"X
M!8(%\$X/B. \$(ZAMG%/(K86-872RXX;UC-8"A\3,IVJ1A MV-2=:?

FQ'3CYKKF>/NX)MMJY39+HAKN;J/DCIN;=5V11,)>V(+OP. M,YKA*(\$QRA.
(9.9A&F8()IOE*>5ADD7:&NEB;N8V0[8M:%1]X,>>%X'9007 MN68G]=QBR+IYOIG!22!7?
GE@4&PXW#56SK/F%P2/=P-ZC=?8f'Q)#B 6<(I MI&!*>,1RS,+{Y#;&+7LS[T0]LRNP8_?9]>6>X1486
8=SS)*;G="KS=99IO=ZIR3\7W2/' ZNFURS-RB=U'S /ORIFHF*A>6
M\$Y()3H(2+^E35[8J2F,O3<79((IB!A%*)A&E,(P!W&\$?&%VK;J*O22TNS! M6T.A'3"B?
+;LE2%:>HK0"09F.LU2?/MZ0Z=\$8)=+GC_WSXF>F)O:|K\$#'C;K'" "5#(&+ =3J^F15%-8AO&C;
MG=SG0-7HI&X/RL31W&+0Q<|B|@*/#|7C&)GAJFX_*NFJ60%)<|^6;3W|W4
M[77]KF@>JP9OKJ3^4H4EKNLOO&GK+6VWM>K<5&T*L97L,GYP+AO 41^F08X@
M2K,09G\$>0Y8FOIA'T=;!I%=DPSUS)BO,JAS',^IFMIW#*= S!E\5K-M0?\$(M1DR"/X)+(-
D\$,A:F9Q3L.95_?L|K"G3<@K_Z?V=)M'/(IB-[U2%CBQJX|@%| M:1'/0,&F|%-
OEK_@1|DL*C8WC|5_^.XKZJF\$S:DDW\$953/!RXJYL/5^SXA%(6Y1#AR(<9)2E,|S1+>)(D.-,Z-<=
MV|S&|YXSZ0RC.HZME!= ">O6UR4(- X758)MH7BVJ10D-M)
M/&^ZO^+46!_1ZR"YY.UYQ;T|((/HXE1'*LA.H/M9*:27Y;.CZ|VCS9G1AN MI_FP8,3\$;/:3U-
|C5N6B#VM(+A2A)KMPT\?NCRI#O=);7D!5|2"|7ZJ,.V?% MI&;!?
++NE%N*"Y.HF@6JY|6LYB%Q:5V_1'K8RFW=A57|K%4_7/UWF?T8\$W M_-VW_
_NZC_Q9CLJ;Q!&7!|@GD,/Y0RB+!#"BL(4\$QXV+SC;.8V%6|<,+? MS%ON/^JH;
<#G2A(7.ENN7^|YMZ|SX6:*|0Y3KSAQ9AORN/(Z>G9<2L?V_\$+!H97XWE>
MIGZ%4UB=5Z9PP|TKU9QP"NW|A)NR=A&E8R.<6*+^<)5|2#|2>^*.*K.XCJ*
M<))D>0RQGWBR7H0X0R4L@32+>4(3EF.IV&ECRK/'@HSX4)JWYV3L1/EK8,8X MND,77MW C1E
_XW)<(7.192%>H>S. BATZ2X<&V\$(QV'8@^D=BKF'<^E4=,U
M"V|E|9LK8;|^/\$HUOPAZ^'|@#94|"P0;_4/|L(M_"M/W7G+U39C"=|LVY&|5
MWJL+I9W4E%\$S\$E,&3513;-S/N\$14>S3^<5 MZ|360A=<;MKT5-Y/-1FF=|B*=="S|J;K<"
(??"ZB:~%V#WZ#BT;1 "JE* MW?SNY !?G-Q0+HZY(Q4|/|^+JO;%X'^Y)2Q'V&XKZ>NI<7!F-
K|KDKD9RY, MYUO|8YW"."*RW"|G3.P+8H|0^T*6P#C)TB#|X@Q1?|W*0&V|?<&O)&2WS&A M?
VZ5M3+AZ5J9NY9|+?YAI0E-44YY@@"810""*GGLD#\$,<^48N MGQE1MJA.>JYRY?L!;9R+X:53?
E:PI?;,^2 T|*TX1,|X\$|, #P=&.9\$A|T>W% M#IB7>X7E*.91T;7L; .:=|^+4A^5WSL|?XL1:5'86#3*?
4H|&8T@2C* M&4Q# #T\$OY4+=|SA\$4:#7ELRV|*3(J-08;,"T3U M=(YCE&PO5Q5M|,Q
Q;_2>=NAMF^N>+7|I|,/>?|7@WQ0K4MXZ0AM0T". MA&R;CF#930(7Y:>J;:|++O2EKROSA>/-
>W5M*|L|JK#Q+6<|>6\$AKSDE08Y1 M#"EB 43<)Q""H%,F\$913GP_Y*E%"UE+=BRTD4776,E<
X3=*;9D WAWJ|W@ MC:E"LL5<3SO-":%=IPH9,O"+9.E7"=Z(*VFS2|Y Q|@*C%D#>|X<-K&X#|Q7
M;2TLN5BVT<5E4|VTOKAP..MVV91SUGP0XLE8 I7IEM^(<:>2U.*VKD^55R;H_
M>9IQ_%LP4X_)^#B:;!U/0+&@|+<|6|T?G3;&O@_7=ZVP;9A8 MNOGU!4 =:7=|R6CF%?Z4"2E3?
ON.4095_8Z|.K-VZDXRXQ\$XG03*N(#?;:FG M-88#D1CYH4KOB")
<3EX*SSU=OT%4#);ZQU#4'\$|BQUOHI1>8|Q=WWQ>,69
MT^KPET#CKDB\%1=+UXJ_!|HC)>,O&F|^<^)/3/O.W"K@O:/R^3IN3-YO/F4(.G M:NT%-V#7.BT0)Z94!
|'"#&48QLO;XS|+\$S|N4)33)F=607NEG Q>&F+|OG-
MY89_XQO#L|&LLZ>G2W^6.3%3N!;!*8)Y," ">T_ROU+Q)UWFTF@^!R%>)S#%
M%NI7B\$DQ906G#4>Q!2V22!1KFG;|Q2=^AS>_XU;J0'\$2W9>/7BSSY+PTB#G M4>A!G
<^1&F1\$28AB1/ACQ)\$*Y3SQ\$C,IP'E"8624.|PZSN|Q
MT+S%NT0ZP_NYGI3C_H5G)7'<(WX_JOT@S|0|U30|,;3=G<5SDNXB_3W*_M'^TA_
M.,#B_T'E^DN/F=|O;K"A#3?5?278V"?HXYMIP=<1TMM-.SEMxB|41_!O
MU7K+ME37PX.LP2I&4J&(S?6V;5IA>@E*:R_T>)YRL;MZB>QR+59|%L,\$XE38 MYGF*,FSF?YDB-O-
R|T@/U|K5GB|XI2B|Q@K-KZ8EMB;@8S&+>8!S&/A9"!R M,BA490|3&.?FR5HL,T+KZ MAHN-
+.OPH;J_X@W_RNFV|K)DV;^V72^(-UR6|Y%9&@A*\$&L, #-#J3J#G\$/ "M<0@)|<,TBE:
(6R2>.2,,Z,MRCPGZ>V|3.V0?OUM*<|B_E#-RI-%?NAZS
M*M@1#RQ#P1:4L:*@V7%MIEO(GJ5F3#36M=O/ZZZ/J=|!E;@ZAGFDKT5
M&,6@#ADX>TY7@"A>W2;E.,?/D5)TO|>B&M0YG" 5K7L"9KJ9|6+|KB_S?|0'&C
#R!;LZ'E.,RBGU>%L)FL@UL'#L K 2?B"(3XW7J22RPUTIF
M5!;1.%:"|K\$|F7+BG;W5=W>|OI;H\$GFG\$_0!BB.\$YABE/_M8C|H@|3EOA&K@% =PC/KBUVU"
Q7BRB&A'F-4"TL=0SGN9 R\$QA* Z@9\$%9 M2/O:&N"@ML87E7N#6W!3"02E37M;/#@.93 %PU6)-
EVRR|9>,P3CH*B;Z?N6 M)|1G'DP99;".DH""LFM+G\$8<(B|_8>HS!\$D4!9&?1)&1O?AR1FUA=|C_E&
M!67)_13#;|@A*|J8MD-3P5/|86*FX)8?GFLBN#J@'|D)8|J1Q4L"#(|I M)VT#-\$DK;^2|[%XUZK|J3+/-
N|'Q|JASF(\$4111B,/ \$@UY&X| \$G+.\$FX58 M3I&;V|F/Z_D?DN_R2J|*"H#;M+|;*.|C*K8L)#DVC)"
(TX2=>F*=F'77^W=2V^0VCJ3Y5Q!QNS<| M\$4(?7T 2W/M4?NOV1K==:U?/Q(0_*/!;Q6F55\$-
)MFM_0\$@*;%\$@5 (M| M\$3-NNXI\$9CXDDD B|FS,EW>;J|&. <|_PH\$N?APS*)LB1%D\$M\$(1),0HQ3
M#E,L29JEK"A2)R;7H. %6,"TH/_^W_A)(|_+UBNEK#5)C2_ECK84&3!UE:71,W@NNE
+,"UXX# =T8JM#E@.,O <"ZFE17L8X3HI" MU^,)HKG|U=9&Y P6>8IB3+&DN71C4G+4P&I*7\$*GU
D##TK:I74GPV#;+K'" M Q2P.N08.^D.P^LA#-4>E@A,5KQOK#T%Z|'L(+F?
(F%W3#N;VNMKS:0%^: M*FX|K"7I^="MX|WY1B+HB70F?Q|TV;Y54@C3_7H>'4
0I@_1.8.&&@J=O'6R MSD#GE.^W^#E|K6>B(UG?O5NLOOTJ^*U.)?PN="?"
4>9IG7*:4PR0KU%4HH1&\$:>QCD|FNL.|+CR0A4Q+EB51ZC)!|<2./&-|F\$=J=%R;/9^|TS
MQ1)6N^D='BRW^1X&)P_R41>S@Q&/6@F=F'34!8A#PE&GN|U7QOMF4_*FV|6
M78&S.%B5F_9B^TR=6"V5,,T3&,6T5 N 3\$+*&-9_PRG."TTZ8=OA-H^ (SN> M?
KNV;|J3'4B/O6"KV0LV*| Z04V+08=Z|<^&A8*V>|G5/G!MO|PA=S.;WXF M?AINGJW-(Y8(Q3N.PV/1
U<6N2-@KW|+FSB9^#9D)90I4@->+5FBY7F|^I/ M#W!R>F@"EHY'H2&>U7/D<&;|K-L/|
|&A+K?:V(%? =N#TD5|W8|?"JKUV8DW M_|N*G;77;IU|M:3& M|H7Y;#^LE,<7FZIN6D\$>&
(#!&'J"6^;CFG/QO-&1H%Q#(A!2|4O"7@|:9B MS;NC;0VST0|X9P9B_B&D3!8^" A)/I(0^.

M+EZW1V01921*,PI%\$>=J89+DL"PYACSA3-\$9IY(ZM8BQ\$3KR.N1-QT5;BZ|B-MN75,K+1"S3*
\$1@+QWA&*QU4^!)_)>\$/KT.>+A8JYFS\$#EQ[9PI]"(3-O:&MI/VPNN=-
#F/D>V#H:7F(X|\$\$.BK"IE58FCG;NUY?UPJ=|1|P^?Z9WI";?K@%|M#N|?JG|M=7-ZM9[81PQ-
;&9FN*Z733#14)RS)*<8+<6-6=E-MCCR|>S);;G-1%Z5VR^76[42N*&?'-/U5*BDA4S
M8W_8FH.Y'\$<1HSR%1:(/1-*\$0")Y"7F&XQ13P2-J1<)T5M+(KJ&1K>NCP5/I-MH!%O7Y8YC-
>P'PB*|MOL|P;J=S2RCBO\$LOAD2#WU?^K?(\$MF|?Q>9NQ?=G'>;HX^.;+&_\$O2|=K!-?<
WS^OJM;-FY-;>-I+J%D.=8.?C#\$6@AX:'LL*?X">M+S,N&"E4W*%18<|T68"9\$G(LY+&))!*[.,
#U%7/(8W-DBK,T/M10UQ7N"TI"#6!S00=C?Z>D?M+L17(^YX7,:)DG4)1".0(N8TA*W24U36,D
M(U+&7#HY@OW8HQ|=&\$D^<|QGO^5DIK/*<=:V!KT9,LA|AZJ'FK&|4:>=FH=MFG0PAXY:6#>6*
<09IS"CB)8E3LLL=5JOAU|JY.FIXZ:.*1'M0>KU7|"&?==DVC|7R09V
WTZ=&ULU%|+4SD&O5PN|T;-)MXI/;J:Q9?1)L0:H7>|R4,4MU>J|."OV=-MK#43|
>Q,2|PJXUJ7,3H|TK|/@-&=7U#JSPPM6UGT/>(GER-7K!0BH|. \$|=5-M+H#L,ARR6#N53#*1ZKW=?
F6U\$OUQJWG(N-IAIENHH#4CDHD".0BBF#,D8Q)MCI'R7;85+
<-&'MD1&6F:XERT|NS+&IZ#..Q<+C3-S67LK|HL57VA1<76.=7-M1+&C7B/-=Z0L-
S#)-&T'C/6=\$)M=^8'^S7:IF4/>GO?>3/Y>K;TK"5B?6F-MNC=1^&9-S3+R;.)%RF?
JCIK^6AJ&%IVE|4CX%L|^I>W|G,&)H|N|H=Z|Y-MZL=F|'"K5YJ|A|5VK2L*ZJT|)K?4I?K.H|\$D"Q/1?
A#UAE0:1)/SW^JBU56C-M:95=YM?-I6:XOGQU>^2>_25':02XZI'H+-%;YZ^|4CE>R32)1.B|X6!\$
M-W4^&(@+OF6;ZN18QC"FY/Y1NI^;H;7)=!)D""M#5-V*N%EW#834TU94/
M:4,"M9A77E4L_5WG;9<+=6|+\$|TF=#6+6YW2|<7^I6N<1*L:#0P-MN^Y6!_!3J|7IC\$N?(SH'LL=-T-
D(G?IXS@&((X=S+G?|>8A/NWHY??IWHP:Y-M^EZMYSC!/"N2&-*
(\$H@RAB#1K1|HX;Q(=282=DI".BYF9-^P%VK.IX\$6"|YH-MP8X<"B=LG,"EYON-NE|K':>XL-
&!9K2)X1,.H6'#7T^9<|<|3=?U?+J9V1C;"1&X@CY,<-&!9J9)X1.C.'#7T^|<|MI7MNO5"_O?U%?
8EKLKA:BM^K|&FL=\$AWO:#W7W4L:RD(1#%-U"H|SPBD-M*,MA&O.DCS1Q_5(W
5:N-D^&F|N;F""MU2|K)ZJTJW.QW-07B@\$.Z%WD3WQ&X'+(>G_#Z#A,K-?49:T%\$6*(4.2-MT
MJY:/4G>B4PJ9GW1';_L9#@A.=7Q89V-0R3\$),8P%|24.4|8GKL&|;0^DDXQR^,9|D?T"/UU-Y=VN=4
M-M2&F/O*H(3QLQ,#@KO:(G,8;1X;SGH%"?3Y.,*|Z7,-|XM5N|W7R|J-2'MQHS>+HF2#:%41!)&3*
(,|AT5G5HA",(:8VAZ73|G|0VLC.N"-;G%%XL<0, MXQ51*8B4)W#&6V%8F!J,)-9(U,3NHA=F'I*V-
WER,*@WX.Y;Z*U61QS-M*3|OG7)-'4-GQ9BNN-M=(?|PA2OU,
|VSG',=4MP2'/B9IB91H|DB413'(U>)|22*\$F<|B*=I(^=AG0G-MU'I-
"W2;>&X(VLW,T7|QF|JM&D=:8#79(G;K%R0P8S(#6!KP;B@-ZSV|O%-(Y-M-#?
9DWH(+UB>NQ"_03S:V'PEU4+G*OWQL%J^7JS6:O/T4?|G=ED|B/J*_6M;M-7G>??
0|0B3#60)C_=%&"4L@E@6%<2Y8R@F>F3OLE,&:&U-JP|X-M*\$&K\$.AIY-
RQPW>8>|S+&FANKL<)K_+^TN!<^A-!J-GGV)@KQX;CV+O"8-MZF3D-N!T_8V|'#W2|9;S*(HE3F-)(
MJ+6=#V(|JR<7|0-W|\$07XV7G^B|(#P,W9-;|%M(VR\$|@BG30G5;_U0P+0-UD|>-!1_?25?
EYJM=YMZH-DX78TXYIGI3|O^8<MDSQ-<032KF:F|&AKT\$%WF\$8Y8F1.7E8JMX)%7+(8
:R|M!G9Z0:FJH=9L-M!LRRQFW>6N-J-YO^0,MMCEL%6|&NYH;R-|8BYW4,|B"|=QG.-|4=*"1;1
M%5/5LMJ(JR5_OS1-Q=0_?JN^"O7/C7JK=\$5LX|5>/?Y.-KFJ7R_48L)0S|UI-MB23.DQ+&DJ5J3<
8)\$DD("Y33N)2H)Q:U3T%UFODE=63YH.MKJ|1UB0G|4%M1E^P5|C|H.N<49G8)1NF?
S|VA|>-!#|QD)?Z-&X.;W-SYZ*5Y/(*9^_9Q0=-MK'O/27,6-/K!A7DF^D%5.Z7;'U;
|!|5L8P#IGF_5\$830KP#01#X6G72|!B-M:2_14#_41"<:"P8;WC.EJFGCJ02;U?
SUDY:9.GMDW5ZQOEXM*O8X+U#)4I+\$-ML|3ZBZ@>-2Q3&4&<%313.9%X98VY:C
V*E5;5M3/4^;G>13C4S.N6.8P1EC-MNV7XF,BY?9GL0)N!3A_U-Z,1^+^=O2&7U|0B6&N8J?-
GG,\$YR#!#/?<3S|MH9*.;M,0S71M%G7OM:O|5;VI-KMIL62(>)M>9+\$44R5,Y*HQ""
(4E*#%|)2%E&97(B0/%2XN104M-JD|7;.T|S>B-N08A-M=U2?
1A|OFL^|Z@W7IU;>4'W.6OC!U2VIENL->"YN#|)0#UR#DX"ZZ/!)"*>M.)TF-?49S#THV|POJU?
QT^X<4/?<^*3?RM_5=O-^>S|G"2Y1K-9(%-\$\$ (ED*M6,8,P0)SRFD:R4A:+9DLY8WLRG8:|
(^|9GG#"Q6WX|0>Y65!&9:V@?;&+M'VX,#(Z;V|KCL|<3A5(W|&6@W"@F(?|0L,CE|4|^9.-|
|2'8(S;TKW#|.|M1_U='GG)UH'"=Y#(32;\$:9+*SF8%(-7.9RF^>^4BTSUVH3VS%RS+.8RD0*
M#E).4299)#&RBL2\$2&DN3\$SXG3"%S)+EO3-MMV";L8Y;Q>>H%#F1B-,2-M%I\$|L(1*\$PS)1ZV
DIU3F5!2Y76_A(*BX?Q)>A|;#B^MV3UA1:@|H?A|VZGC#N8(=ZZCH_M_-
JNZZ68KWN>^W|P+BS>I>K?OC*49)MCJB-/D+Y82.|R.8FT:Q-M#_8MO6VQ-K|3"XR
VYS?">|2|XU|N))0:=>\$>3SJ%6V-L=^!0;G:S=F-528-M+9>#M0-;+IM1)MMR.9C4WW*YW!.;KY"IEV-
K6FN;PT1=_52+.WU^&%4T=.^&8BKD)O':VF2=E,DP-'8+21RGRJEJW!_1/|Z-/RD5?|K#&CU=_^@
MQ@#=(^|B;D/_YVM|0#QXPK)8CCN(PK|7G@QEN-1%QJK|M(A1>#;D%.>+D;
MSS+R|J=WKO&JN#+7G70T|VUZ#WXT|7S|B_ZS-Q<_0L|+O<2;|\$@#576'UR_M::D-QH+W@#Y@-
\$'NP8S_2M5'Y=NJ_E-O(I2\$VSXU*,X0%0DI8985&"*BZ>&2-MJ(01CF49);7,|4|W#E!|(OC_TK|7C;8"!??
K0^B=#Y^\$(*S'&"%N=1W%S4NM|L*!|^\$7KU|G"GW|J%*X1'C-\$M8-M02DL"1(0,5%"4N
2IDG!DXCPM,|6GFA0RL@.IR_.B6IM&)IA?Q',8#>WX&*K-M|72WLF5H5JL|>C-
;-6L_FX?'GF326IG7S4V|BSUC5|L2S4|J,8)0F!12\$91E.)I2D0)R*G)2)E'F5AW@*'_D-M:~M\$|Y-
@U&IARFP2:S)!-Z-M64!=TE3/R/R,C|1VU_|@WYWC\$AZ-XT*PEX_U>+O5)^W=Q/P6E|S!@*).^>3
MPP8\$W;|8SC|\$+84R,JTP#W:3TE|D>;L9TP_U97|W&U^|_|WH<843Y,QCM%#M|KI&H)
(1)@H)15QH#E>;J3U"7\$!>QEF<H5*MRGOC*"=M#Q@3%S>GT&@R-P=)4B>:<(S0?
L_7C\$!NQ%G|H|!%%YSGCL9|'#_|H|!|=#;MQZ6F:~LHN|S7N>0H(|G:WM
L*B%*20)QFA0P*6E6HBR)R|AIHW-*T-B!)"U-MLUH"7JT?NH-6MOG8:="HZ.@!G
MK.T3F,G29@H|.'Y'9KL^RN"G#N&-SEI"B7#NQ!>70&|&6?RD|L<7
MG.=NR7N<"RCJ CZ0F:L^H*1#>*25^%?Q6=.|2-|H))BFPMOQG.|3AK%(\$E%\$M.2RI^@/%*8)4<
G37"*9E"E#+'\$)C036;^102O-HM'/;+M4L;+B1?EJ8|Z_-M

D,IHC_13"D.I*YTOI,J^_#G!WQD=D[Q!1^\$F]^T2./6^@*M,# :AOK;OHE M/M=-IG'SOD5-28H?4+OI&?
7#0WN4CG!\$,7[N_\$ET7/U#U%_%%6/UEBRN^#^W MS7EY/\$' M70"^4_ZHNETV+4;8XTU-EFO"
@WKJ/G7HEFF[C39^;K31RH?K/9U!7=;@QQ MS.J:M/V/4EG(0CF=F!80\$8\$@03&-(HE(41:L++%3M!
IU9JL^=B6#NFURV:O M+!"#G)^N/A) O6U&^_*,+ON!L30*=3;!GE,E5Z)G5\|C|-=F;ZZ;W_>LTV<,
MC7WCKTG"?2XC+UE'4OZ'6-&.^V!L%[PC: ^W=7O|^JNKMJPA*V,4IW\$"(R%CM>:-
\$HBQR&"24(%0AC;NM5P^&(9!S78M&UAOC,ZYDK78/ M;A^""AYV3MK/2C<JF6<+V)Q|F.'J@?
R;V!)YW_AP8JGYM'KG O(?NPU0+ME!_\$MT_B04U-/1_BUMSU#G'191FA,0P)YA"Q-0FDN1Q!%!!&
(12EHN"VJ:0 M#4H;>58ULO6YVU)_5./%BW\NVKJ88!&YYG06%PFW8M A\E4(+!7C+X"!@!
M^X*R8\$CX593Y(^)46F9EY4!MV?#JDO6769G1KRZSN|&|=N/O0A/E""[U5=3D M5G3?
^RAE25Y26""\$(2J%SIA0?DN2(I\$%%D(PJXR)DQ)&=E"=3-*M2_8.(! ML!|*8J6;-WEN8,_EP%EK+BC5.#
/N9&4:@V;U2S2&+_0LS|BLV)HJHJG>J6J M!FN|P=4W4O,VW6;=KAM-
@TF@32#UHXD.BN6Z"?92B0I?^\$*|K#7&!%?-JQ M+K0!%Q*>B!UQ06O!KY=??
T_:L36^S"^=SJNM8Y WY+M8?E'4F&+F98IX6B(*&2!%2WR#HA2*C"4XY@6E0KK\$ _H:\$C>R5
MC#2=1"1(O52.W/%H>Q FNS5'*=,=748CM3M9,7)G8"Y8.=Y" M"=9L?C\$5M
MAWD+HP^ZRMO<RU-|;5:U=2?1?VU8D*7A#9L(/M2H%)UD)"2X+G3J\$("\$)AP6.*4I0BI.|
(@JG9(W33#)9"\$ MM"HX|C8 !92=^|S(C|K|>Y:U\$H%X4|\$1FP,|C9ZP*U6|E)ALXF?,?:@8_BY
MZX.Q^NWJ5I2HOCTT|-9_KZN-T!TUY7E+ "NX6G!%@FANOQAB'&\$8IXBA-\$9I
M*HC;/:199J9;L3!E9)W,7W?>73M7;H8_6D|MLI9+Q&2^S7+(6,3@K048G| MK \$9C|IOO
HO3>IG#9(C%M9_16/|)C|*7>ZIOEXM*O.X9|M*"UH6<1H#6\$81 M1#R2D+!"0JH+6'&(F5M3(YT6-
O+?I?%<|/'046+^J/Q9#UE7F.R<2QCC MW5R(V0ZM)/AEM>),\9NH_2ET6\$F+5-Q30AF/J%H0?
K_Z!WY1QGD4X));!A% SOHC4C)I9G,"6+I_,\$D'IC.>|OTM)DO!4ZOYO=D M
ZBXK98ZSJSG5B/3T9E<|)27!19G*2P(!&%2*2FXB\$!<<9143@J(S:A_1V MR7_(1|3I=|
(#:GME3_IHRC+.|I*IM7N>IFH5GV402_7/(H2B/\$_)RF3NU*MY MJL?BV|AY2G MO|-30>;X*38OI
EO|,3-P%X5T%S2L'0^6'_CH!Z1! A?J0 M7Z3+M_-Z\$+=+
>"#.HK\$0WS_+BWB_5(EN)^Z3V|O,T+@3A+(&%CD>@)).P MY#F&3)9(ELK1R9BX'0|-RAMY*|4XFS
0ULXICX3B|7R%JJA|@%7JLW MRX' MD|0YF%6K'JAU2L9/1'UW|+>%J7'^ZGI"
(RU8#DI*,E@P60"\$<8IU"TC(2=< M%'E9:%SN;J/KEX |;Y<|X36Z<&T/38+!I#K|9=^V0X2?
COA0\$L/>6QE96:P MXZ=A;1,?(UF9?G@<9'>;9Q'>_<-B|2A\$NR' ?\$=J4JG(O93MSZL3#|)5JG M?*W-
BJO_>|V+|+#;_L=.(VZ6FUIF7;<\$C+ CD-;AY#R'-(X1"E'F*4Q MR5#N5-
_WEJ8C>_H_EO5.%'BH!=1|S28M66V7=&HNZR?)B>_Z|Y89B_,_1#O? M|4|&C>O9W2\$1DG0GK^
J|K6-?Y=?=.W2;-<=:K&I M:M&00>Q2D32#_Q|+8657^H5 ML',_P,>K)O#M:?.IY|VF7E!|@
FK;:WX(0B')GI4+E2; M4ZCC69AD^M.T7|TKJO0B;#;7!8G25,9J?YX6\$.58_8W""1\$X5
M2<>D3!1?;F3_AV,ATE%8|'SXQ<:Z>=BNYU-G|Y=.9,|DD&30E4;94Q;9G1 MD)D'46#%
|L3&SWMXM*,KAQ&KW54T^UE|S8RFD9(YIK<*,X@0@1!4I84JN6D M*,HH8Z6TVHWZ"!|Y|C|K6^3
|>.,XO"<'AL;Q|74W9.C3):0-ZZLQ HY"- M*
|@<0'O^I#&|!*-4<@0T#,&2+PP#G\$O.0TY&P^1K;) ^9R7L,OR71^_L'4M7Z M9=+|/GB|5JW\$YZS
J5QP@LHJ7&WJ(0TIP0*+!D1<1'QV*K3|K"8D1WK7J@N
MTM9;:2",W+:UIMLJZ012=LNDR^UWKY7JUJ+AQ|NU@|YI^!Y%D40B4&M6%|+J!8.S'P
M9!QKPX;U2=;7.G)IJ93Y6_4O>H3_*J!<OL:F6;Q;KYM3|5 M_:;2K>D7,|3%B<29PQF"8H@8C2!%--
(YTG\$F!,D15:X2%1#*C?R9%?O5.Y(MRQ82>;N/|SOAZ>9*C)90JVF2=AM%P;Y|KU%UMDMS:%K?
=OJU|6^5F@'IX\$; M+11S7\$C5IB69&P'4_SZZ,62X4|>|4QBMECK\$U5=1/|I9BIO5FVK|KRU9|+HR M?
90WY'L;/%Y?W6|L>Q|QA|9%|8J@4XGP+>F><1SM?3*71_9=YJ=33T*^RP
MKYP"4S=_.|J<3LOTEV#B15'G)7_RKKI+X.B3UETTCF_?
J8OYWLE9W;76=VJ!)WJ|3C&PUVS6KCVN266S|@CY_.P6?.,CL;.*1H/6_MHVW<)<@\$.R/GI<3\$;>4N
>JPS=Q%H|D'EZ|K%=-R\$V%N|U/7;U;WT%K.XXBD M-,D\$9 +E\$ F6P!
(CI/Q9DO(HRV5"K#G|3TH9>;75RGU*0=!(=@@RG<;H?)PI
MB.5N3L3+*=@TUF+C+H@WG1Y|LI#362/Z4:2S%WL&GMB=X-N%T"TZ-N|-M>IGVM>OW-A1Q.I?&
<#0#O*4/*2*""1!@66;:6*\$@M5_B1\$1228<&IFNDE&1/<M4)&P,52<-B(V(L@'D;\$Q9?E|32;TK=JL?
BT6FC"=ETG_-J37.11P=323;: M*DM_6A()8RIDA\$1)4^S42/&(C)'|<2?
1S8|>P|+.#5YHH9L7ZX2!+UH<.:4% M|J#U@1R&V* M|T?1=1E8J^L^TGSF9Z5@#Z"H^7?
39UWV|RFO_1OUI(92|H#9Z!|CU2KU%7 MD'- H7&T?T|-
>:/|CA#+4Q_&+NF70;CB)-49FF2E=CELSHD;:QCY7W/KIYPY|1X M*|CL/D"AP'|#_;&P9VHVL+
4(340Z*F)9ZV;/J_8-KFGG#MB39;LO@D-MMZ M^7%i?F+2O3|OU-
|@5|F@|U1&#"58KYXU5U%2((@98S#FN\$C32":R9*Y|9Y; M3'!0NVC*/3;K-N\$=W"FYFJE4UY,W?=9-D?
E07G@PT.U|QLA NKF2X|7: ^L^N
M=N8W|57|DYKDDR6K%E5|.OM^R6J=.P5^>B;:O_W5;YM.+5=)8|O*G\$V=;_.R.W+ #&Q4/-|?U
MA(*NG_+6|EU|ITK019\$W.E?F|C35;GYV5FO|C|/P#/_4_#+K1K#?F48^CU M;JG6
%NU#&@+|7^;|TG?(B2P6%/"LD1+DL(R4ZQ_!81EA/'=LT>BORLC. MX|_*??GSS^#C6Z=Z4B?<'
EONH26|SW&6UG&+|K""U&*;1+3#>R5&V6\$)|0IR'-&WO@9+(WTAE5VUIQEK,%JKX\$Y M|FA^|C&
<1;*.")\$6,899%F^4TD)(G"D|9IA% FBS2/W3NU! 34NQ?+JUW M%4H6IM/9;"";%E91(2_7/(HB
I(RDS|B3".)4H(GA#73BK!(73NE?V>?5& M1|_NFQD0#|*?T?OM=>?
DE6;S>*H=|KQ\$^U6935W2K&UBNVH_F:UV)5%=B_>KQ M%
|&ZK*Y|KV0|X)|Q#B%ZL.60"9D7*0H%Y\$;K>:(NHZ|_M6C>,W\$9G?;B|5X(L@-
;#.RDS_\$S'G_1Z%X|E|+T6S>QIZFH).<;#3'.Q5 MU|H;N^PT_|H4S3/<*)TS='P#IZU&5|3%TK>'
WRTSF1S?|<=EJH>;|(*=U@5.UU26Y|I"N"^ (P4NLO M@2"AB<@+SG(NG2C11M-
T@M77BQ&77_X8|59DA3# M/P|I>#"X;?G!PPGT)7_\$4'L0)
M%B8&XT<8DC4Q#8*%V8=L|S8W71J)VU%:|7FL.IJ%?6'?ZUKP;O-?FE9&IR|S

MRCQG\$X*82QSA/*82JFU8JA9^%,R3B+(2UY@0EDI:,H7>+M4M;\$SBG>
<UG?Y=/(VKKWU;+V)\TCV"3#_E^J97Y6G&EV6\$T MKOGKXSZ\F6"R2C!D. \$Q\TX@Z6,,I@('J4%C06-
N)JK'E_Y";IU_5*;XW MCTW.MJM_!\$>H? AREYIG2G^DQ\$MVO0C>2-#5T&
M>;4\$>S..!>TIDQTS#+=HPC^H9E !1?Z%\$WW4\$Y_K";4P;N\R*0+Z :!ZWF! M\$:.Z05@F60111
4L64H@3"C.LTRF++ ,B13LZ^OAY8P^DXN"A:<_F7/#3@!;
M\$WL;Y^8J.S&F8_?;=)F9YK\^I3/)H2KC"F_ ;4)2^'9ATI9CERT8_&I!%K MH-
VGA&%)&7,L\APSB"B1:QV(CB%\$>*)VM2+0FWL?PS2C&/JCWUH.QEWPLXX M]=?M/56_5ZN:-
BW.DAGG1WB;+>?/^P\XK@_"_9_T>OQ_9!H#3^F'9)PXJOS_M)I080P\F.NZ+02W\JIM5!
/NL^4IA2G7O!%0?G%7# <(11C6&8\U5W9"JU\ M:D'D@ (S0K.<2Y=OH974D3\AK\^L\RZ_R!
/9:P?S4=W77_-TWM=;!K<'Q M:JQPSM/)ZD ^STIFI*!"8;G'L;M9C_ 'T#BCW\7F;M4+_ ;Z!%K0"V7B*
('Y M)L3R:GKQVTVV\3#4.K\50R%OI'S0CS.HE* @KF\$L=1AUE(WWXWB\$A*I=K^E M(
1)IS!K*.5&=B_*NU=KP'=JN?F98.C;N:*7P-3-6\7+P4;%J/O#.RU!*V: MH-.S;=)BG-M>U79I&(YH^/6M-
=M;M-D))FTX08.K=C(HK43YI0@&AS\8>_Z MDI#Z\>IY7Z='MNOF_ ^W6.Y?
LG'8MJH_4>CUA3H!:9275 [K7OZZ8F.E# MN\|<+ ^Q_ 'WYYF;YJ_K/Y\|HHRJA\HCZ0FCI*?"?
W#SH/Y" 7\3^RW^/TS5\T MAY>292(K>THO\6 E:7H;Z+YHCX+4;.@1-
B'^_6F\NUC/S_=W<5>I2\7EY" I MQ0 !3%!QDY"C %2GUMFE/%\P_WJ=;P1\?VK55VOOJEAU-
(()2M"1ROEEMR.(V)G\@P^F\IM9-D/850\ "U@N=J(M-7@@C^;^7.^HM=8\$J@_A/: [75PCVH>
Y33+>\$XX%\$7\$(9\$1MLOXE4450#4RM@_YBZOU_0KK=T!+,Z48(0/6)ZT(%E4^ ME#!QZ/>DB8?
QV=,7^G+(-*E2G\?TGX)M;E8?ZUWIS+M5W7+6M^UO?ZE7Z_6< M9S+-TQ1!6J(8(DE\$,8
U5DL8*LWHV"G7\;V>U\HU6MM M\80\EC#+\J2.L07N&!L(LX*3\$PPX@00(>>
(ITCND0D3VM!%5)L/5W_!7>CS MU'E\$!!9%HCR5S#. (6%K"LBACG2;ER**NVNR M+>&
ROY=W= !E%U3+-UF5OU=K)A;J.8G5=KW/H9OG/(M*2@E.*5&KG(3F\$--< M0L\2*&.8\$%PZ-
1XZ+W+LL*_6P*.;?1@FN\5*6./=7\$V3>M.(GX\$GXL=)FK0W M-F2Q\K# Z:NNK0
X6CYM=Z?;Q!>.;Y\;V\72% 6IK?SCV^V\;G3CP3_*\ BH<.DSQ6S\PI^6 X\BTE@=;/=
MS@B"+T\$K2BZ&9(!\$1XW=.A?&|S|%7^(D+N9B0#J/<_E OD0;Z%NNKM;C>Z MA\;*|);D3;:(
M?" =E7YA""^|U4H*!%+60Y L6!:@8C7QB2-3^Y@H79A^0+-C?Y M3>Y\4L:-
&D!3\BW7%5V(MTNU6VRXO^=)R;*(P;I+!E\$6<9@R06!)<*ET,2F M<6'5A\1!YL@3O9_1!4
7_9:@)X;CE4.-F#;S?_ \$+EY@UM%MROA2W^CG/(4KJIXW5 M1"N;B=;7R7J^==T0=5+;C>Z7%
(;TP9HARCKB.!=\$Y\HE77/*GCW52ZS4"K M'>BKIP_>&P7^9^!T
&EDCDT;37X(%DT'R&QY,EV&|*P;7-W?KY;I+ACOU^NM
MX/,"Y5&!,@+3E*M\&>=JA47C&.99%.=%V&RN"?
M3%QDOU8QXJ*NUT)Z#+!\5:K\$1IYR'<@W*B^@\$I#89(\$^C#\$4\ MAV442XB*(H*ZBQ=@3 M3
B=FZ=HE0*M5F"O%FCU B>!\4K?;/FX&8N!)""*%959@B_02L"2%6L5%
M\$4XY4M\ \$XL1=\$K0Z&=GG=C&Y6C!WOSE)Z"R/3N\! #78S.?VSW.S(8-"W9<
M=D+,Q"=EP\8>I*=N=[W?*SI-UU^GZ_O&*LWFJ"WK9WKEA?-Y5%\X)'69&7
M%"8DBB!":0\$Q2DM8E!%"K)0214Y5!@ZR1Y\<1I2F_!6D7KK72KF :!L^-@HT MKN=DC7#P4Z?
&7Q\^UZ\|ML*L52+D29FSY<%S.PE3WQRY@S)X0F: ^Q#N#>7> M&@K5KH-) +AD1%\$-"D/(6#"-
(HY1 1!;<|PSCF%HWDNL//+(K:\$0Y?MD/C\^> MY9>8Y#.%::UQ:A%W3'6OUG!/\JL)=PQ\?
NMX(\^WN_K^ENU%!\EPW#_CC"3 MM08\^5\=-?E@J_)@_K_YG&.B12I#HSD:28A*C&#-
<9+*">)S))*\$F<:-%< MA(\J5JQ^V)DP%K\;?9:QI*R*9-M\^O\$HVV\^QL';05H+G=+;MMOH%)F!
M#L^+=+J\3)MR'V>"0%\B)\&3?H\I0^G^+?8:PX,72"RK5?U\!/
F*SZRS4KM_M4E91O>\$EQ&DL4E3*.D@_A',<22J\WR>,,\G M\9(8#75L#.GKT,\9\N\SP+<"M&:
)OI7Y>;245D\!;30#6MQ7D"R76\8 M;H=QY62LE!WF)21_0!;K"#LSG"F.!#?^#\TU"C*1ZEFWML-
)&)2.XNLE M7CJV MG@N-?!\, <^E8OB?D)N\|SBD&P9)%0WQT60"!=<'R_09\$39P4<-|HP\ P
BWO\9KEQ*_N6;PV'2\FS M*&SIA84H,424I9\2RF
9%9E@D)18G_W;DVT=\$^(T\JW9MO;!S.N=W/4,W&K1
M;M/X*\$*)VORC+\$EA2AE7"&4QI(B4D\$6Q0)3P)"V>YW_/_EG_3;:9GX;|KU=WSA.;T=\$\2;^>#BY
MN81+=S#=:&CNM!_QW \$VUF76?S\W"W' (W\$C,4OB+=!IS ^94*S+'47Q=
M3ZW\F\$|7^:UJBM\KL9XS)/5)6@ (S%A50_8-!PCF&"8JH6E EG"28945U5,K(
M2RK=&K;EX\ONZC,\H(=L+^U%1=;f.H2.G&@DQN6?G+W*+L?O!\$J\7Z&*HE0(Z0*(1:P=,,HBQ/
M(4\5#HBS-(RG!686&UYG"6//&F;57Y'OPEX*|4^CNH&X_G0\&C@.,C R:~?<1Y-
/#\PLQ!070*+GL!,1!1=AMOLC"REYGV+?'M_.
|D8.^7ZTI=>5/SZ\6B8LIS7\+5@MSY*=5\$7RK.TRV&ME3?IU':-
AW!@?'S5\ZX@*^:4"47A9F^U%UW5^ M\,FHN:P-!=-
PV=_DMZ\I<4KW*:75WQ?"5)DNN=H5U)OJO\W\,J9BPV6M?K8VO-SC M/ @F\!=>DZ'HYI5-
TYS.P4\+X\Z;S#,MOYNDQ<:OT#|PF\J3;J5#_WF\JUG
M\|J6\^P_4A78B\J7+^\$@7U:T1N7Z_?/N=B?7ZHWQ\JOIO9+%5EVD%NJ"6 M+O/?
D872/"IR02C,DI)"%,,,8EQ(F* D)3POU.K7*:8=3+.1%W"=GOHDGU?J M06Z4QY754KD(VC*0:)\!*-?
BF\RP\4ISZ_ =^N=J;:82R2ICECFZ3)95MX*LV M3H^M\!P\$V.?
8DB;8(|9SXR_RX)SC\^8!=10Q6H/&.S=/Z7KWE+HK\JC;H1+_&
M"/U4S#TM@,7HSX(RB@|&JBANO\$TVO:'CZAX3SH_!-<@/?!F\36R6,\$+;9
MDL4GL=G6RX_+O=C\JP5_L^VW^RPU\T(A8&HJA!\$9QRBG.4;04F!
MORHC>_!8M'TMMFL6@<+UDH#P(T*QA6\|M/X_+WU:>8\$@_SK*V7_\$VSN(+4 M<'00=8)
INTH^5E"HCEZ:(|B34E\|ICXUO1"P M(R>HEX\H?H#S6\5I7?3O9*/|B%IGM172^T?Q%
(.JL\3)&B4!E BGB.42% M3EE+N(OB3_,L25"69U;USJZ"1_:%>U5 JTM3>| "RPO74L3^<<,+U_(!.6&BY
M.3HH#QJ"9P0LS_-&0LYO\.< *^:TQ&C_4#)SA.PTUV@.-C9/_\QNM^OZ6I
M7O@V/7^!^A7C\|S9ZZ^5^MY&F<(RZ*\$*9*Z+1S7KC9.85(R6DI2)*EP6HC: M"A\9U>

[4Z"6!TD=PF!L&OFAM"EDK-&U6VN.@9F;PPT&E_-ZT-7V0*L_-!&3 MKO5]C9N8W0B+BYC\$'&=#78
J6]4-[1R=7[XG\ M03C5#T&PIU(_9N55?_+?B<(B\$(C3',LCR&*\$;ZR#A5FSPNF!2,
M<82LRMLM9(WL")XR"Y.=V(#LPCW<[+Q!(#3;7:1]@]B,T]B6I*4I+!(M=WGT;3"Z"STRS>&A-
@%%E!H0R8Z3E6JH?/%7_G-P72M^W MA. T2K_M 'ZNYIH\ZH7(^F9UQ?
ZUK6KQ:KNNED+)7*O\AK79'W7_H;/(U&F M,B4()BPG\$*6"ZZXK.8S2",FXH#F-B%L:FHOXT5/-F7
/>%"XZKAIT4S.S4 MS6\$Z;94#1*NTKLP9Z PLA7%03.G:_*9VK>YQ>@IV#BDXLEX^:0?I9@5::6"O
MB/%!AOE+0W=U#CIGI^2#02"Y"1Z4M?D \IS/^0UA@>WUR[U0 ^H\$!6^DH66
MJU/*OD]JH?,+WJWJS^JG^ ^9YZZ?GL<^3NZB(4URDD%"B]D4IPK#\$(Y*8CD
MO\$@R:97<-9)^HZ^KU\$3K*=KD>:'J0KFJH586]+1UX(T:X7&=/T1[X8?@Y@_I
M*7;#ST*72H/GS^)^9JH%+GM8D3\N! .QEGYK?:9^2MUV0VM#HM0T.VXU)_?2Y
M=*L\A>SIDBITA&3C0?:\$JVQ\$,8&H0:Z0\YYF:<983GD::&^JYHZGXBHA#Q'E" PQ'NC^>L",2?UA
_!;MOY#HER7\ ML #E+.'6'S1CN: M7%5<#=-D6V-Z*^GV<1)Q3G O(BIJ%L!)B'C-8,AGE(LW3
MW(X9 /CP(SL))=" \JPK\%9CW-NOQH\ <7\I>YF1;I=-VZ>\$@5WA^LVEIMDO
M%B^STV^MYV.OTOKLM#D#2Z@C-TVV CJM< \L.W#5A;3><7:6N37-VAS"+*9I
M2;.,CLH;.*K^3='4N\2)8;4>T\4K'FX M-R#_.8F.4CJGV0M3>KL\<(L(P02/T3\$_)1D6J-
N33*=9I=2>KN@ZTGI/1+* M%U%Z+PW;)^=-,Q&>3),T" \7KOA;6T)OEZ%?AM#;P_B3A-X^8_EV?
5QOZBW;
MF.J.UZNUVJCA@K*\$)"4D9<+4UP4EL,1\G&.,I@0*4B\W/H\AP06N_WK9<:Z^=JG=AIA(7LYGC(D6!?'
P\$3\V\I9>!\AY\35X8J M^/PL-IN%:0ZYWI=-S0O&\$DF**"9ISD/\$4P0D)1S*1%":E 5). '8[E;:4//J\ M\%JH?
6:QY&S#C8%0V.<2LP9: \D39FE!6H!"BD',1BM:O*XU!SM MF(AIF\H-
&'G0O&WH6M^J7\;+=0:G=2\ZJ%>07GI) RCA""68HI1)2K#S=-. M,DB2/,YE+
XLHKWGI0P\FILNX\NAO&JFLOU>>P#_. "(.Z34%7.SVZK)ZP
MY8)VJH'G+COZ@F#ANPGKHPV)KY01-R+;0'K98F;M+^C)+WC\$\$UDTE.WNR_L \S2N.MNT^+?
NG%IUE0+%;@Y?P+;%#3>:!\+ M_BRAY3LV8\INQ*Y#*" "Y&^(OI(6:02 MJBHU4" M6\;V3%6?>M54S
*,E749KM1T"N ?Q)%NPD= ANW"1T<%N?)?L(F0)/IDA) M) LY8Y\JK/77U9#\GD)5O?BAGO_ ^U!+-
>B71S,XS2\4XI1\BK#S45\$N*8 M29@D45'R),TY=>H&?4;>R%-
_5Q&Q(= %6B=)"E(OE0_U+!DYA9KUZX4%LXK
M^@:&1K*I#VEE@Y\;Z6%7\39V\JH^."7M10H^SIA^JL;CW&U^<[YEV;Q_J,6=
M&K7Z*AHY>LFOXPSO%JMOALE%;P3T#S\MB#K=24KUD8?=-EI=:P(2BYDP" MY1!%5;
(2TQ**.=E61)>)JF+>PBGVLB>I...[6G:S:9F\$SOK0FLX8869\;? M(L_<[5W?=J5\F\.*.#CM/-
;+_.0W%SSG851C42M%;%L5YA+TCP>-#&B1.O%<3;#U!
M3\&CHFA_)JZ*&\$""5?!\N!X@69/O5XZ#T9G!9\Z@L%N!N= N7FKJKY-
:DWCY_4C\^MZF^DYO,HHH1%J8!4Z-H3 M&NG\$'8H@89A2G(@DLV\JO\$""D3UG3RO3\$@?
0\4:7RX&=9@U;BM\$-&.6 U@ZT MZME7QOD^@V&W.A&R;@[4\JO0?50=" @Y\8;6O-YP
7KJR0P^8PU097HC(0)&A M\B3U1A>:J_Q/#2H?P6VVU ?'F\% _V.UML=0O-*.J\K0\6-!795U+|=|=S
M0(E_70M>;?16X(JN37;>?19%*E/UA2@U\$0^*8O6WB
JH8!62>A.;\X#F&PF\RUON%6NGF\K6O=DBC).IFGD8"9VLE#%-,O7-YSA\#XUM.-/+8->I"Y(M;
<6\$C"0>Z\XL%K@?>)>)HWH%)A _&XPTO""S\;=O(\OU:YZ.NEE>;35VH;EA M3=7<;?H-
\$QFA.44%3!AG\$!&B)A _&):Q* 6*U*ZJY//:D.6EY\Y6^CC-&%W
M6H4\R&Q)^FIT3DNXHV.;1W'Y>7%@@(,? \$N^QG8%61\!74I-3-6I.*65-U;?ZG9URUB!;9PR2!GC
M\$!520A(53/V114691%F1.27GV@=@.T\4:X;4U(D9S1Z.\$.-;("TC 4%AL"[B;W,*<[JN;KI;_E9*6I
<1ZS@ M*JKO5L12A"">PRS&YD@IAI2JB9\5<89B2F.>6""=<G!\VD3?BP"IV>' MF"R(:FM,/YAJ?8_?
XN6*F3RM\?X026VGNE!B7\+;\$J\$Q@4; \$HKS4\"-I LD M3Q.JTHAF3FN7(6\$C>
[1.=. \$>]>7DG0G8X\!FT'L(J3*\$\$\$QGE4JH!4D*< MI@RGJ""HXB5NMV/?9 L&^N\$;+?4M
..S6=:\$.=O\YN>D?W) YG1^A!"W MC?&!UGN#HB9=[MD8_7RU9W6\)\S?3WO-*T\3U>.?R^I?
6_%&K%E=/>S+LG\$J M<813F.)43?6<8D@*%D\$!<4HS5.8)=ZK!LA4\LLLTHD'O*\J3\U61;0VHG8,8 M
R8W9W\$)0N\38\FAJ)PLA4\+9>3(Q@'ISZNIU_2FU>?W+U2:O+WIB>PJE+S
MDF4Y35*NLI,+Y30DAC1+.,0DBZ0LD,38:FUU7M38;J+7L56+!SWY;2I5KZ:K
MIU\$[OUT,AX6C+Y@2\AVLI?"X;=)O +*9U;.,TIA\JU=?*)\$)62\64NF^X M:OY\$O2&5Y@+01WJH B=
(\8T7ISC6W5PU;-3.L:R>S.)JEEV=9:WU"@%SL&_T&\6_V<9-VRQ@+B13.\0R@3P1&41HK'+
MG)8PRY,<\$YH7>5FX\(:Z@_IX@: GIMLY 5^#W*,XT\8983ME/-<^8(>,W="3 M=19X;M2QCA@'U\G-
%\X_JY7E\Q?ZZOZ_KS5_9ZO6E\IBR^M.WC_PYO=8Y M23HQC?|SV\;=|=U97HMU5\UHU'=
H\MNY@R!,#R! MGO_H_L3 ^8&F-AY4!7
M#5W.\48W\^PH3\$GF6@61G7SS>;24'PFN^R9C\+7%2T1D8QRGL,BCR1\$N*0 MQV4*\SAB18(H3?-
D_E74=.7/5W)4LLM;W)?OEM;U58O5:[P'W4"-&F7XO;ME7FG>O-'
MNP_!*"70>;/79N\TR*C14+5AS\F1),O)I 2G,"<1UR6:811'%G\,/K-W;2 M6"-3.9\&*&@\FD.0>X1'8G%
++).YXJ:\$W42V5XNWKJ@IZ^@#Z" G5=JU>C M\ZSY3Q>? IWBX/H'>%@.QQ@O^I
|\$_^2.3Q\JO@'^\QD\J6YKQETWW/6;:_F_3X2\<;KO,O>NB*+CIXZOKR-7B
M20<@WJH5^>I1U,H/L3NU,GKR>Z%>+I\UH,K^N2\%:=W(N)?NOD_,7!\+'HY M7F\$#IA?
H\Q*AU,OA.Q%D#3"P>_A5\3:K\;M5K?OH;)K8;FFG"<(_RD\]+>Z6 M'Y?I2_U:E&QQQQOQ??-
*8?/G\!.8Y((RF+.BA"C%RJ<6HH!%RK!(TD(P:<6N M\$4"7D5=D1CNSYNCT_M\ICU91S\A&2=!.JO;
PSZ8=^G3.!\JEG1\C_X_I#R_X MTB@)M);J.F0T7TIY:QT@FA\XN+ZN8
BY5FXS#5E\UBSL1^WSUPI%K KH M5*)\5/L\+H5/7N4?6.ZP,%0.A.1#00%3"9,'+0%#T
Y6AAG3_&)GQ7A^V MI^"?-16,"2N\7Z^W^M\MB;5Z5&F;=24(S1.BR<&E4!M^L<01P6%B#-"4EF4
MI+ NU7\$3/?*GYM_R. &5\$;I\)/8E_%H# !ZUBVY!GF: ^,P<#Q7' MR;XE?H;V/QV>(\A_*7Z\?OM!?
7"NEEQGL7Y\V%3WU7\W\VI+;MOCF!_I# MU7TPX@Q%\$>80Y5CG\4D!
<8DHC&A6JHU*DF7\$BIW86X.10QM*)Z"5,K\>I?V M\3(_?J964;.>QD_U.HZ=&Q=/'6?

CIZ>&T./V=|^BX^OGPP*^IDS._")(! MG^XW|F2N_2*S^Q|^LH%|^3_N|T7-
*K*X)|@^B[KI8D#+.4AQ!\$NLN|3%D\$8\$ MPX*DB:0"2VK7Q6)0RMBI>CN9:KW|X)IGH4;>")2L@Q8%
M(IX)F-BAHT!,P_I-(8N|BL">|64F_45_>|Y3X(YE \$=N3VD2=95PG5)C&O
M^R51, _!NM=HL5|9=;H= &)YX@>QWFW9VIH,O-I%3YT*P 4N|!"&.C3EH(=B M4<|+P88N=9|ZIL;7)
C>K1;JED^;Y=_6UT+4IA|;>2I:#C=VAIW6_034Z"+|M?
UL#K4Q3Q6|_6U!.C|51|&#|;>K:03/"U'6TW&LJV|J8;&H|&MV?ZJZWNDU|
M+JKYFW:7=;5<;LGBD|DPGV.1LXS&!)\$,HASED%:|3B,LM+'M\$|HE:QC%," M1H|YG4C0R 2-4+N9?
A*3X6D=PE*W.>QHI/4T/6?)P)Q4MS9S4OUE/R=/#CC)
M!:#QG3C?;SEYW20=;9L@ZB6N"*T6U>:Q3(7%\$ M(XAB\$<%2,*C0J893G)='S>G-
9"|LB3T9X|W|TSN^WH*\$BX3=96!6!TF(&= M%C.=)4>%VK=6?>:DLAM-0C=|3_>:"|7&|DOT*;5
8|C'5A=|O L6U7N1|U, M=TK,=;VZK-? MUF|M@*KW0#TTBH4L93QC|:F:Q%.W3UM<>;:(@RK!<|?
|K7/>_FNK_.#08G.W MXN^77T43!_HDR*+Z;|%(=525U%|7'9\$;_|\$C3-8@GC+#7'I3'4N9Y0;3-H
M3DI>UT"K%>@-WKV M:|_V|^;|+|:C9UW|3J|@ME0LL?4>:81)F4FG.1%KW|C#FEBB@ (P0:7:Z,|
M|7R;G5N;2G4/=^CF"1MOX">=PZD57O_5S?E-|@SMG.8/15PN8')Y90*#|I^VT|S,V
M#268G|HUNE3R,|H_21H_ =ZW?:K?L_-^2IB0.&>"0LP9@BA-8EBR(H-Q+";:
MX")ES*H|+|!1W8H|>KB:M.4_YJBG,VJ'XIS6T\$^P<5NE>=KK9LL:;2,D!EX M3/U
2Y@G0T^ZS#AFU|.EP-%K+NFP_,I0L!SMD,N2.14|HC*#F-KS<9|'FJL| M7|90EC)1Y1L;10MM!8X|ZWK-
XQH=PG1:'@#P!<^-"QNTL"D8LZ+P|X|_|M.0Q\$%W=@=GYV/+LPGS?7JA/SP#
OT(WYO%".S);W.?)0':_JKORAH_R07HO
MEK>5^B!W!|R(IJ4H_|@T(P:4|7*2\$0.)4&)O\$CBB!9.#&2#XL;>R/2\$ZYA|
MM1|0O;U_!CJ"TCCT<)|\$Z#.1.D80RT+ "-!Y2'B"1,;<0H8!P+LDT#|GG&%+<&=NL3 S%V#8L;%K&-
BO# #QC;|R|Y:?!-.7|S^6 MR@9N-GAD<=V>;'^DB^K6R'VS%>^7H2|H|G3F3GSL@Q3KO>K.Y%
MO4M!G)=,|*3\$*#8B%KJO\$(8DCC!,3'B:(52DI4N+P4%I3LM#SYZ#@_LIZEI-MLUI%7*G!
(V|X>O\$ZA6Z|_0#IB6|1IA/ &4;;|P:K-|8'_:|K=G7W>;_B?W:U+3'+2TH(9*6:00@+ DG\$
M\$BA8FJ1\$9(P@IVET1MXDQSQ&.MB)!T: ^|U)V\$#;KQ6PH,'P.=X|B, I5BY69
MX=:T@|*F7M7:F'YD76MUFV5 M5/^MC(H,LRAVJG4|F/DN=V3".|\$_@NLLSK^|?_L?CLV-
M_=*)"SAE!XP)U4KIB(1HNR2=-O&@ =+ I1?U-M*MW32=|L9B\$HUV2(. \$U(2
MM7#-2HAIG, TQ.HT^*=):46Q?U|4V">*>T;Q3K+-N^J*E^596! 4', _!_#P
M;5LT8*O8ED7'|+U\$NZ(!@T^T*AJZP_70RP1"|Z|C@=*T*&@!22HU:42,89FG
M"8Q2*B+&,U02Y#)|GPL8>=)^\$!O0BG3|4YC(FE>:D*DF\$. \$
MR@3B&,69:6!NN%=4|>Q+VN+,T_|&5E>Z,_%W#5\$%@:;#F+S M"1=+_0%_WIF'T33*:
(8@PSI2)705:1\$9I(+ +F!4BBK/(E2#83O3X0:N|:'?*<
M8\$OX;"-68X#B&KS:Z=|2BO>TF(&V.Y1+ER@O|F\$W& (R\$EL*GIRFV V08|S% MCB-XGNO6*
|YEF|372*Y>50|@WI+%M>U\$-^KM1;Z?LEJS27U1C3_GGOLUF!AUK 3B/P
MK5'6V0.YHVGWGB\$;%T,T??=XH+T1J;IS1V^|;L=2):*V"H_,0M"K.0*<9^*G3 MJ:^FNUI/^>ZN(;C=3Z1|
(0MU5.TL?|HS;%IX#@ZW00?R)+0D5?TWLMB*W|5@_MV|H4?3V8%I/8:1 MQ)'6TAHY.Z@L. V-)Y
#|'FJ| MKI9BO59+,%HMFS3976_0_1R(<8QE8M3>JJ0"H@3G\$".D88DQPH0F4>D6;+ \$3
M_ HA1: ^@7W_ &*EY@=NWL021CM7\$AX<-S_2R0<|4"08VQ8(GH_JP.Y#TNA MD_H-
R">_P|N|TIZE|O:UUJ_DX-2A8ZC_|MDK|1^X8Y\$ZA.(T1@H;9,\$#&< M:4:75(\$>
(9HFN"2Y51!F2,C8X99&+&CD-A4B;|5C(+9=8P81&H^H>QVC*CX MF.Q\$7W_.)B|^Y.#3D9C?
|ZL|7|V6LOH;-7NXI|@HGJJ^8+>7VGN9_>+QNF MP=>UX-5&,POJ#L_+M="G-+4FRLRR-\$8B09!E4:
(^Z\$D*<1IQ&)PVVF2Q6'US/V&Y_7+K<0D6#KN+7:Y|GNE9J|12Y,A-8H MGQC5@-8-
M,|GSKU3A,@>A+I7X)14&9|+T5>@&K_\$L".<^|?*)G#J:W@CQ M|4'41, CI^3_?ROY> PD^
003%UZ=6^./0G-2)KR%)990B"2:0*D|NX7&#%6 MIHRG%'NP,'LI8S5/+Z9BUJK|ZCN'|8-&4/|L?
UG9^;CSH_/(C3HSL%/H M2'^00E:@40LT>@7.O|P\$EE
9FEXZ3)O#>0E,|UF>%PWFT5U3K#Z0>ZM2P=|E
M(R^5KMJ|^!%J.OW_,UHSA^>YI@=OL:;N|6U/+I^KZ-;%LOYBN:>53I9|TJ7SV
M*W=FN%_%MX78;*X)^U,3R,J/R4=K45;1%)(&6>TS*" (= &&L^A?.\$+XA\$BFC M61SG4EJQ+IX7-?(D:
(6#5CK8BW=H|CZ,U?|L"8N VR0Z;;Q/R_MA%|QZVP=# MPI_)_06HN'6LMS)TJ#7H
#3|:"W,N1)LWFL_PV#+|LB3Z.%;T\$Y906>9YQ
M!"D7RDOE10|+@@F("4(HYGDI4J>:JT,1_C_NIO4#OPHHCL_@MW"|SULTEN=GY
M_ZA|MR:W<25=|*|@8O;_|(H0>G@GN:|VF6OY;U|J6.|>Y^)?E# @6L4U*JD6 M*;E=|^L/)(22U<
EA|^L%M5XG,S(|',I'(- (ZV#YMBJ=(^HB 2_-%2KU9LCOY=5"QR^WJ\$=?+>5YAD5=E!\$54I3#+60E1
M*A)8HCAB,\$IHE%BU2(50,G1*4PD&2C+XO1-HN?"#|!@SU_':<LY'QND_8_R MN
**J<9VN*CXYQK1<07(UN,XKI'EGBI=-2_S&@,|R|?5+|Q+W7+VB?|8?_N# M+
|HSCZOE^J&=1:3|9WO'2#5\#C*QYTT&#;<|;=HH-H|H|V1|(J=OYTT#S/XWOX|3#<"
M@W9#_;KY2905?I>|JT)|9^>""%S7*#KBH?3H9F5H,E.UES,'Q^_.5UO?T;7
M5^3@A>;T+^)|OJRJZQ<_M'6|7MYOAX*6B45&D*%?CFPC, ",05R2"/*\$58EE, M8FJTM3.6&/K86LH";,
!\$<J^K=_B8OH/YG4P?RDR@RWR|=VWM&PO@1:=IJ1Y|PGA
_>#UYO99)'D35>G)5WU\$;I@HVKLL<,"B MO)&NUGW|V3R_LV_9Y13.%4:9>8.1/|K
<^8X)18V;_79+F3\$T;_TR.G/F*? M ?G*E_6J^;1:|U9:'W7IVYOUP\$CW;76'&
|FYN'EJZH6" I_|V|:R@)!,\$4H9* MF!4% @8B0!#+,>9%&B*;;-G M/;>^Y8|UQ,MEE|4^1US-
\$S_A|77+!%V# MLY_TT'7(G,D7.=YXL@32=8:;TI7WLFY|!|>|P^J F)OINZO+1>;Q8=;| #G%
M:4E1D<"R*I#<@O(VV%|W M_&614>|&X-PL/=_%IO_%MJFNW|4A\$IOV?
R15: +&F_ '=&O*JD9ZM24;#R:1 MGN Y1_K
:\$"|JR@HM\$NI@,EZH5CQ40526&+,>C!HK'<#XX%&O=*S_H-! MZ<401J.BNQ;!5^;MLP3P
849|XDV6<<|LICO^(%;_M*_ELIE:ZW-"FZ3(90+|+A'OY-4 M(-

G1)%TWP*"SQ'PGZ_VQ7,X=O";8EN<7^R7],Z"UA>I*<*.9,)7"HPG)_;-0 MOSM&!=6:U9R%?TSFJ8C7?
%QN28H C\U\|B(4E&>R&MY%3I;O" 76.!,23(C MQ\$/&*DN7JCBQ_?+-_BI7N-%GSV,|
/*B<4X@0DQN6B*\$8%7Q")91PE%!(B\$J M837TV)RTT&^PK6Q=I@OK)>C%6\X\|(N8V2;"&PYV+Y?3\$
08+VQDHZ\|B&=E M33L\$T<3L@SF(1A>Y%MHUTF>LZ^|_Q&J_1NNEXK\|Y?GOW-VKUW+0K_QVH?
Z MZ>9'W]* ML&7;OB/(9MXB/1V;L0%-8?BOFN,JE;XYZ3\$Q\$6!UP!U6#!XU=VN(4OF+ZG|
M1H5I.1(H)U\$*15\$(F,4I@23/"UAD\$8M8E=(.6LV0NR OL-/H8.%GC8T*OH# M_80*
(GC_P3+75&@="_ Q:2"-CV-|P6-|J.1.23W#%&U9VBF5S+BT))>@7'X MHNG':8407^;85DX?-.LL^&?
1)YM:25\|8867)W9!HR\$H7,8J:9G"/,9,:Q@ M6!%40A07<1JAF'(|#W&%+M,DXMH79-
GRNJ|8VWF1"9'T,|!# \$JIVJ9|K5E7 M6B+=S6KHPC^6CP&?|/_ "S)@Q0-
8OMK(K|!DVG;RZR\$|:"OW<\$L'JM;TS5#J M6+*H)+ET8EQMN5 D(*%E!.,4QRQ!*1:)T>"%W<-08-
*WUC0CFY-O9RR=S+ MJ;%|:|KRMN?/5&M|F-
UCE5U^|GI'"%3WU7O!E7KPRP#M57V;0GMT&AR/TB3. M8UAE&8\$9ECX\$%U3ZD
RSG%8EI:75\|A710*[G2|:'2274:D%1S\;M SX|*4Z MA|Q96#0%GC9>+|_VPQ-
#OVU2|K9/T1EU3HT 3S.4 5A6 4F|H-/&XY6??C MM?H79I1'BFT>PZRB%J6
PCC.>XKQ.H|RH NWHW4.7KND'|*&'0GF= M|F'5K*&\U2,@JZ99_2%C0PMJBT-
X+D=%5QEMYQ>4J|D89M#9ATF'YIF'2U>9 MZ18VO3#73R!STHHS 4 MD|D.6:./6/RID8G+X MTKN?
_./3:>OW\$ _JA5/=|UJZ7|*^W(XN|6BYH^=W^./7.F<,+F|R4D! M*UXAB"G'!)6%_-J<(VM
L%S+E2*7CR#MTNL.2U'->\$OM;-Y M8XFSF D.C9 MN0:IR6FL9J#3 _S>_S|(ZL45#\$|>Q5KI+
|&%9Q|+^1'U<:=OF>Q0V3DMB& MKO\O5E37ZU|(/,=%'C%4P1*+7)'HE1
5*8.)3TO\$,X1Q;#>,YYRTP)ZG%V;- MBW4>(<,XPI?=EN%\$+Q;T!| 862U-
^;R<|(FYB@W,/N0C=SD(KT:B*G5O>_7|4:| (MRP+%TCN0*"EDO\$(11*+(822=0:;%XB*V*O\$ _J6Q@#|_
-1U>D.K|NI=R%|HY5 MJR6^B1U)8|2R;5 _M7-(01^GF3 _|LSPD.W>HM08OU 8_=8K_!;C2U%-T?|W(
M!QFZ+G#;UJ*F/6|UK09(-HX35:./8HSA%(|L1|59W4D4!^OY|8!9S|'B M6@>B;|0R^"ST
W=@<"3E*8YR2&+HQ)F25Q"7"8(IHCDN+WI=F|1SFJ7*|"1?XBP!-RIH|^SIM|)/%|<(%Q
MX|KVE^>/_!^K1@OL%G:4DK)(Y=K%::&F 680(8)@3'):9+R@467\$C^@@._"2 M/LO+U
+R#+0ZH%L\$+BO>|F|+<;KD|R MW|FOYKS(D|@H&(4|1NJX+I5>*XUC*.*(YRFJ,|M2J5-
!0<.F^1W#7GH&CV& MF+&K|8Z#M8,YT4=Z6,HG|Q&XI?2,Z2%|2X^)??TFTS-@&'6;GKO>?BA#/_!/
MS70W'<@PNB1T38T483Z%86S^*75ZA15VRW"8>7G6\$*NI" T?4=IJX,+|/9_6 MCB@_GK1P|_
=VWVC&Z_E;W>|U7E'^8ZIH'&|Q&O<%NW-.E)\$@D8 QX@G,BD1 M%%03 KM5Y6J|H4(S M-
>W,RI.WZ%:>_,MNY5V\|21+T=2|86T:?)XM7%7<;Y_%%Z|(5NA:3|_.^73WB
M>CDG*")%5\$20X(C|3"Y=6%5Y M.JS'.YVQ;./67\$;G)04>+DJN2I' 4(R^+V3 M;9FQ.XV666SJ!0.
H>IHOG7L>=\$T3|'F:3F31H<7S=T)R|?<./79VI;3\4:Y M",WHAY7?
J|_H'|)5E+P4M((5S14!?!Y#0B/Y|BT(X2).LZBT2M0;R@V|N+?" MP4|Z=:O%V" T/(OS!X|=JG?!Q?
U|SLQ*WZ=U%Z2^SMF=&10G3_(-+W=S%;N" MHL|BF,RZG-)BH21*B,P9KF 621?
_H1E,8QXD>6%2'B66QW)&TD-|'.. M3\$*V+)TRP|
L.WA'Q,XW'-25==#LYB0'J4.R,MJ3JS"3:./CL()AWTW877PM
M#=#H|7#>_X<5F2)>_&)+0IPO89S5@0>Y\$|,OZ!;=U^ ^TE61=A59XG90E)HFH\$
M.);B#B.8)JR!=""%*7|M%W7XU"ZPT^D7T_X3,PQT7NMYV+F,?':#O-AE,S|1R0?
RMXCF8B'S2:./WIG9?.CV2EQM M'F|\$S=|F4X@|Z|D1/3X+5?6YK=;H-% QY0?
^G2_V%WXID"@19I#Q5,9_+%'T M^T4*.8DC1)-*1%EJ//V2F4">^BQ6Q#*+7S07+\$ K!N7\20_KNEP?
WYZ|^M|27>I" OUK%VZHF_3<@USB_7S7/X|Z_5 O-OG:Z-X/MOSP&_KP;#%Z|=HG M>MZ53_V8?
#LA^&|D-%+>9H\$;./1JZXV=2 M#V#OFZU6S?D%HBYS*
_NK0W5"-Q!>Y|XG&'1"M OEC,0,OO&U5/I4=#G?BD
MF@IV#_ZY6:F2'CW*NE4B^N.+1|S|MD0#9:|H8PPBA>#VO)G8XKLG_0#/_%? M9N!K?;_4'1WR"|?
2_2\$KTO+F>U^A|:19:S^>R(IKQJ:1)9OER8^G?_%\$9>CK
MFW5NAO"U(J;.)NP)C!=SA7W=T_X|_Z|^H4J:5('S?K3S6\#R552%24N,YB@ M+
(\$9+0B4_RIA4J6BHE&1Y^|:OGNO=GNA.)EOY?K.6W;&H9VX<#(W=5|OL?Y|\$FW ML_/_QZ?
%ZIGSK|);_K^J?|.9XEM,P*6\$54,=SS%&*Y39|N)F%\$Y"*JLM@F MD7-"3NC2C5XJV|JU2|&
<0L+!9CLO*CBS3^MBJB6_SMD@68#.K3&!:1O_U+7\$3_R:0.B|*\$|Q,P@3/_A& M#;WX;M|
|DX"HDN(B DH)H'&2:CA%\$B8 V006GH%RC3,./5#<./8|/3|&E9)DF(5%90\$E|CG,"AG&5"RN M8")\$A-
(R*5"GU&5?0|/#0*Q%_%#2;>N%@=5)B8BM4=I\$,FUBONY4K\$BANN M)YNHWR^;+O7:2ZRE\$>L4
_&(^F5Y-^ (W'-!7&2,Y0FN4&5)Q'I,3.@3%45! M (D>VT)'8@_H?YNN=TZ@93AT?
35|JEN>5"AY_<2:ODT(W"@NKGO>\$?VH276X M?0!O+T#AP,IZSE)OK*Q'A4S,RGK.T\$-6UK.?
=EN|NP&EYVZP;>KW;|VJ;;<_M?K^DBPV37N73:OUU0_||Z?K;ZJ,?
7CSB:|UC=_NVS'/Y7XMCDLB@<|RF&4L MA3BM(LBRB,>"(AI%1KTQ@?4,
|#ZT9JKI>B,7CR+)OE|J*C378C" T&ONMI7=!^O3LYS#B7!W^7IVEE#_7F%11@2*8E(4,V+*|4
6.)9E3%+"XYA4 MR7R|6N.%J;<^%&+E:K>BS>'ZA)U8K|?&_V6?*T_|4Y>A>|X<5B|8=#LOPH
M(RJ"+8JP8.9",P4C%885B M7(DR3|+(J\$ _?7G3@L&HD47VG|3JW6|L6*)JM|#86|Z/"<&
|\$J#^)%JM_R|R M^P|>*C4#>P#VR>0N3O7G#NPQ|>0D+ 1/ZCKL =EW* YW<'S(S*ALX2K_4F*
M*\$5:9A3#1"C:Q+Q,H70R&2QXP3)H3\$ON5T*VDZ|X,GG\$8|U?=%O=*Q&T#(G
M;8FUF4,*AY^=4QJSCQWE_!Z11X;|JIR6:MBPCE!NP.FTU+M'9;NAX|?F>O_!VLU#
|)V7H5|F56G05M'U6 M?+VZZ|UFJRIXWZV:1|YTW|EYFPB)DDI
\$HD89K2D\$(F|)2E.#PCOZ7PN|L.PGNV <1S'A.8Q81F&6YG*\$S4E\$ \$HZ*D
M99%6J7S1^QC4\$|R"P.F5W?2>-UT4IU(* (WU'\$;NG@3WAGK799NE/_03MHH% C MHWWZ=-
|:K+|7V:@MPH,9H&173JD_ ZL7VVT3_"G\$^C>3SC|_Q1#@((('_M)
M0.\$5<3UR(^OW2U67I61JVD/>KE5B5O,D,2E=615/FH@_ 4P;1H)%B;<_-=C.\$S/8T+8KM&1U9@YT2,|
% M2.DQ YTF8*>*SU,Z6_.|G=T9"Y|X1,|6D,-S/NL|.*;EAT;-Z>MN5QNR%IM%

M/R2W50.E:JU_66U6\$C'[@=NV#SG\$<!*7,\$\BF(9[#(.":%6OZT67E7>X2\|XW6|7G&LH-73T^T@{(H-8#28|1U M8"[UBS,\$D&JM(*<9*4;W@)E<. E8@8B@O.:4YM',<968&=12<9 M|-ZX7M|;N89S(OFY T^FV|F 3NBLFRTDXXM.5O(QDXP3+LB|CJTA\$0QS\$N,Q:.)1&"|LJV@"#M5;KW &()>M; &ADS5QN4+3L'+&"Z<4Y=CJH|Z,G49@K+L(I;6'MH9#T|^VU|^I|^I<&9Y| M'^|^I^(_L2K9>Y;:7W4? &-RHW=K-^W|4;M1N%*<6+B<#P|>I;J%HY3|@|!V'TWL%3EP7\BWDIC1%VYUU-"\$2N3'5O MT=&UZ5C^LM?!,S#FY4*^ 7*D)7W@FD)T_V1Z'3,H1@PA6.|U1+|(|4M52. M,T_TFC8HG"G,,,K-9#4V-D;-RV6LKG.+AR|4Y+3;DIQW+TMR_F^|?I"?5VV! MF_7#JM&|#O-4T*@J"AG+I8DZ.E2CD1+YSR0EIJ5OTD)57>^V MUBH O-/!+NCS^WC, L+I(7^-DE/I/>#IUP8W!X|&.(X/Z"G&|*O;I/%G\$%CW M8|,P0JX='K-KYMZ|%-J_X7J|NCWR|W*|&E";OCC1I&"JL1)8HD?:NN M^NC;?OON.C_&U,S/%9YS4=B&YH?>P8SH'0 MX3T|+;W(\$|D% ^ ^7=|V*|E;|/B;R7"9+>*P'|UI+EPHHIPN8TI8,KB#&9) MR6!%*@RCF.24))BPV&HXL*T"H2NZ|5.HMM7O_P;?GSZS|LKN2\N 6KF*D/" M9.L)|SDS5\$D>|+4|@SJZ|JD4\$#N#\$,H00%J7|+_NIP;AN!^>^A*EDZ6;03VPG|/M_Z,G5*KOUWHL)T%I^U! ?|T|2QPSZR../HAM|5SU_2+51|'W-;?U2PC MIA)PXWKYBF=QC"DD<8%@AB(\$8T93%@F*.>LP';O;1.A@9?:5@70*AT ZY7O ME?_O3Q*D,H:'''5;@FBU4WU#9K=|=2EJ.E3H8>KJYT,4SMM8|&G!&XFZ_>|?^)(^)%HMZM'N0V9IYBDA#_*\$2|\$S'1 M09+G,11%4K&|R"M|K2I+PD,'=F/Q0,E'VP5 +|W*AC.33"&T,P ^ 3&SC=<MAXG#)' S0|T_!@;N+YWV;&'X|^KSNB|;R#ZOE_3? >|/*JC/+GND5SZ0H7; M1\$8*48(A25\$%JRK.4YX03".K0M\$#"8\$7NI8W _66JY9V>WJPT*TD@65,*"D>6Y2/F;(SR;B%_>?OLGWFE'FW"/?M!N03)>SV_D M-UJB_JYN'M^S.>\$I%R*A,*4Y@5D5<8A9D<.<\$1KSN\$H8-ZH%.KASX|7;RP)* M&'AOF&|/_|>KK**+MU9&JA|1(ZJ?N1I=-R^O/|ZOM_R&NZ52/_LELLAW>; M9)&< &!8'*<_X#B| <&#TW/\$^RF!9OCO7|7(C7P*2Y4:P<_IS+(J*1;R\$E'9, M|H0+"JN21# A@F9%3"H4(YM2;7/15LO*OD9ZQVJ|)T/_&6.V+2,W>;&& MLENJYLRO_4;+X|A\$;-|35 T%SSM4\$5K0 |F+-K?PG/= M=3|K'>1=LQ+U0H^%|'^9;'4>M4Y;YL>=|3?S3%.@;N>GCF\$VD)?W2H&=5D%+ M#ZX%QY,7*71CK-IWJ^;OG-WSK1J|16CSK(Q+'\$4Y M%)2H88H"4F2Y+ B691S1I, (%4,9|3>+@X7+HHV6WT')J?;)SFV9G< U|/%QOAY7:PT_07P&COLY&KWVG@|5C|W%Q?IPH& M\$J<|5#"X.;,P>)2QUQB%VXM|WB5'6N%201CV&_LI3E M4945U.I,|EIL7'H=|K5OW+;- _K30I9#>H8IH5M\$|%S"EA82*1Q7\$B+('X'+ M(L|1ADN|_MLKP7(;S*M'+ |7|H'E'RS#3?|T"EKGF0=C+WEF/Z>;3UOA*!^1 M;W*^;2)!TGG,Q|U+_'"/(2IP^OFV^J7 M_J><# H. -*/;#T M|/%C7%@(Y7W5Q7G6;MjXN!*P'=7E|A#C7YN|-A+E3)+ZKI?JK;N*Z;U9J N;V M(Y^W1|OOEV|_J&+=ST)|MJO@/?W|>J|DT#WU0>7_?Z/P!>|4V(ZOVM416#<(3/14S? S|G_)9V;T#CDW+4@-2ESK;X;H.4S=23/LX MCG1@3*R (U?9I16P?Q9? ^-.JT91*6^R4Z\$;TC=3X=|"U(I;L MHI=P- %OE/M&Q6^L?|B|Y>QX\$>VY10|M|\$8Q>\$CEVOV;H'O35|+IZ|_#I60H&2"F,@Y:H97#JWHPILY6|=- MF+3RC/GG5ZD?R^W6Y66CP>|* P^5'Y?-U.*B_NUR5EN^5XY|3+;#+)@U+ MSN"3CC5DN&Y^PXL- ^5Y^|>_U|Q1S=3/'U0K|E!;\$XY@%FC8EW-9&>NK>;M,Z+2E6E9_'!1FV5UMSP;|&VYJ%=V,Y+>+M? R1?|F MM6Q7BYIHUK|=4*#;2|9|>|DGOIX3G"HNE@06M)#!.BISB/4>I*"LR3-JQQS MH|+3;Q4) |%9TZY(2IZNP9F#)-0069HD?Y>Y(D|AT7*_|#26@J|9TPW|U.SCO M>Z9\$ULX;#5KM|JU>LW 6+;9&.DV |LG<;N?A-1P(IC-N6NG@MN-TS8X|)%8, MMSZP.L- |>|7M)V/\$|0'"F"G7R_W<@L^/N/EOWN>+Z*;C?.QF5LR3K.0\$|QRF M.%/|O@3#"LL_* (VBDA'*&;;|GQ;5."W@;:/WLF4"^D|H|Z;76N9HSX|E#E#Z M@<#.;>|DCC"8@7Y,3-!Q,9?- |11&GAS\$T;>AXV>#|<-'@K>%_?>N#/V6M_7| MLILEI7>1A2B*1.0P)S13G*DD)#&N("N0JL|4Y);|1T=%Q-X0?="P4BJTV;Q M!\$9F_ EZR^W6L8/1U@OVO\$V>%NL)(9,NU/.&|B_2"Y_V5<73I6QW?N#3;OEK MVU_ L2*/\$HHBF%1E"C.&&P*+E_&&;OP8S%3%Q7B7-&>NA3U)7|_|1?3|H@ M|C"? V9H.AHK=4C|>M|'AN(EKI'|&H""SPF(8(4CYV2_"Y=L-5S7*W_Y8S@;:0(41)8 M51&6(4B,2R0W"XP8T0A9R@WL1.27H' A&;B,E^&ADG|4+\$^5.@6Z#HA=WO!Y MUO= W.%ZZ'^0>OCF"S VW" |LP&6IK| &8 S%|>9_||NO'=TR=+K>23_T@|O^ M"VYK^LMS- ^OPS0*W'2S|8GIOYU###Z-KF/^|^K M1D<>G_ C|VG|_RJ*,DH9S/HAQGG,D| ",\$(Q3FM\$E+@G%DF2&SD!PX2.FV@_M5@?L|FVOVJ5NG@<**4V;CS%| M"+;I&/_06IY,C5#|^ +\$O2|KFO&V=G|XS|P8BG^EQ(L=.*?S+I;W<62#;.|Q MLOX?;CM;ESE/U261W\$3R"_E<*,XRZ;MEW+ '<|M;VM1/NO1FR6XH76T4E_>| M+I63ZH(ZM2;)|IPC2"J*88;EFY/16*9.KF(<;9R)PLK7!=4VL&_ %U-\$^1_ MZ'W0U|WC(VZ>U0+^6M|O:U%3+>0.^W H)XESV#0QVGF-?|T#|G.O8|5'T?S MZW|JU37GS\$AY^>- >?3#27S_?(P|2NN803GD2M'UQ,P;5=5J6QRE@/^"+G\$2H MVXOD2WW_L|XL?FV|4/L566- 56*59;AY4'_2|5;|ENWQY6#HOXJ3,"A)|EJH1 M23@NH-JN0Y24BYF|GPAL.V>NE8(K;:5;W>X>?! |A_7;|X|TMLM. M;M7SYZ0|8.3)|5^CR;0.U@-D^|3QRWMJ3M^7;)|F|7S?%Y0^?_SO|5U34_|F M0? I@NC;E|A_E|>2PKG4KI;(H,"H.N5_5H+|;\$;#9|G<0&3|X|^+QQV?L40 M"8^#J;DC|9M7**DH M(ZJ%Y?RCTKN=YF@L.|1)GA2""O;|7*;2, ^ ^""G(|HT6C;06YPCQ;S9Q3%7 M|XF3A|,?*|)#C? >GS|A&^&N_V068;W-%9&4;T+Z|*7GTX"/NK>92^9|?EJ-S=)+MU MM)/C;>V<5M|IK- ZIU61A|'\$3QF'SB4_8=S2JR7NJ5_(|7JA.!Y5<_(HKA3J< MDOMH-)AUT/Y9M6N=8YRCE%,B! %Y#%G, (L%AR3+,ACG\$<^F\$<\$&|UU=M; M;J&Y,M92-960|U339P)X4 ZJK%,K?P/J'?G)3-->.)T-&|X='L(YU? R)-#; M+7@|Y?'M'IY;C8!4"2B=7K1C*|6Z:'U:T-'!|"5CVC5T%SHJ04 M|;Z3|9U>9?;X_6Z&|F|_YNVQG>8=B?7|'C)|SL&YYQA,N(EPSRG&&896D) M4<(2F,2D2BFG<90;L6_|L1MX9FB2HX(5\$8PQY5"&EQ\$DE\$G'1\$M_|K3@F%BUP!I)#>R9 M|L'=2|H>B;=+GI@A;)9)|8Z+G?<;9&I\$M0|8;Q" E,?*9D|9%S.9DZ9?K

MS\787>SF*6\8/S;1%NL+7^@AZMO^(>:S:2&TB1*CSJ^UHY>[-Z?;++MGM+
MY27A\$2IRR#F/8%95&22B4 3-"0412^3OLOG!/[J+R^4*E1P.>[[9^QBIC)]%
MUFL#FDY+14FAJJOJ1RL!^./3807,>3>/19\6?J@:YZ-F6<*#;5,,>2!/[7 M]<33T;"(&;CEM-&E*"I1H!
[&2+[@8^TIP.3)Q5VCR:2.SP-D^^[0QRT=G225 MT?)&B_R\?N"NG7#'\0HN^^\ZQ_N X(H+7%[A(
M,,^KRB:D,I8<>L.WTP-H1< +38 ZN+5T;L:8&KJR\$A9;A_ OWD;/M;KIB;: MCL180A'N<&-
\$EF;OE&P-JN6"C.5.ZW/LX3AP+J8WL,|_*?WNS\$0Q[E*SG:1% P.S_BB)5#/LKX^VBZLZ4M)2/YED-
5L\$Q0U\$AMZ@D MSS*Y124IQ#-'(19E@4L2%8A26W:DX>;:Q)Z4?9<2%OS>9(1GI(>
MG,EWZAC[ST'G[/\$/Q]X*P>EZ&J)S>07Z9"^-<*5IO:CU"TT?^|(W<4]HS5NXN
M>7VOVL1NY8?;=4UO'E6WV#R-."%Y(2"KXDJNLD*Q%61RT:5I4I4EYI@8330T
MIU)@UZ1R+K338*:2,\$H'G5UFO1;F\$8BG1W YJIL>6#L?L=6O9X33B2VE(GBI MXTS_XLV?
JHD)J"0=49Z)2=-"F8AXG3/PVW*'+*IV(58?H%,\$P_ZDG09/&I
M7V#&X:OG.SL2#.XZ73^+VHJ6K5X\;=FM7G:LLS*GTJ5UO5RPUG?KR=78Y2+
MN"J0@&69YS"3SODB@C"L*LYROM29#;>)A%T5"?QJ&DI^?^+!H9B0DO:05>8 MS<+.*
<"S> T.2@ "MQ9BS>*P(V&KR8H:C1W;"*X'Q153HJL.TG(57@G5-7WCM M->Q<6MNLVW?-
BFWH^G.C)D?4M.M/224<."O/@YMI/AWE(NV?6S:L93_*2J'O9)Q<0?ZB5_O^:/[1RS MHL
BCF!4QBG,JCR%% M+3 T"P\[(F.]<\$^# GY7&@ "M@L?C2G-[;W# #01.^K8V\V#_O6QQI2-)HP5
M\SU'((HH\$B)3LY21.MI/((F%>B6S.DUSE\$;8JHWV4\$3@A;\5:/9]-L7%;'%? M9ZW=8K8TU)
[6]J0MOH@K#P5.2TUYTL #\LG3G[1/G-.J.NE7BW:AYYW5# MVIK5N'E^V|<#D5.ZI7-
8L'O.=/D*D^X9F\V\7KUV-YN] #F9D4YUR7/232)8BBV!&9?
2,RHA!6F0DJ0I25+D145@8]0(O^\$YA57DIM,K@IW= =7/B M;25F"!256UJ-X.R@';:FN=*
SRWRJGKUWT;=@YIHR Z;<%.7;#5%WS9%X6_IDP\$/('2R;'@XP;:9
M\8/2_+'\$]'.9TI3*32[I'D\$25@)G>G2AA<81B_X;:6M51#_Y MWB\7I?IY1^W+6<QB4VZG+TI5#H
[!A:H1YL.0%YLLQ[-3@V3F30;OM(#I0Z3?F.N=L MMIV%,TPFJDY SM%)T;?/#*=^BFXQ;)3/0VKZ-
,G=&?B32[B)HLP?8(RCBFI MWM?^U;:M5!;ALN6]IR&?56'/_G-AM7KCWBM7/0\^*^*
<"2(@JBB#690*B), \$ MPP*33,UV3!DR'.1H+=MH+5[;:]H7JWQ#T Z149%?
^JG6&FC9AE7^LBL,4[_6^H"/87\$S?S\$P\ M#>;1RM/[X3% M&9=N=[_]?
+>3F6,G\78#QPD;+PKM/HLM%?U=LY(R50?J.VG=5WZO>TF^K<;O-MBMV0'A1G.(EQ#A/,\$S5?
KH"XK!!\$+!88TX+;#M/PHE;@3<%(+)?58I4Z?T72' M+[S=+&QI4CPI%+;*/C[-?I9=?2C\N<&+._GE?
W@QT/AVPQ4'0IW MO.3_Q7\$S+U@;X;0D\$ DD72R+F?2N402K2-ZLY 7+TW3^G3=D9>-D'32Q6>IC
M?;Q6O(-+O% ,#)J]F.0M5SGAX [7/22+EL[A:O@.J8'[SF=K]&F^SF%_0_+5W;2Y(GA<5SV#."(59BG)8
M(9;+?7]L8TR+?D&Q]Q@?7*JP#;O#;K0Y= M9_U*&S-S (SKK*_ =4*G!\$H.LZH:N-
WBQ>%9.YK=6,UOHOCI%7!>;+^OE[BMN M."7%[JZ]G<"8<0\,6ND7(OC>_@RZV0\CU?
JQ7^835RPQ/.\FPL)GYRX(B,XQT]+*0Z[|P#>>W4\$F4&>Y<@'46K9E"|=+=,PB!P=CW5HW M!@/?
G[?;OF?CJ &^^C5>WGS:7HVCAAWT:1S_E"N7?C08)
M1O(/BM3KGW*>4HOWO)L6T0!'^0#^"L84U"SD0[FE3,*)_W/@%!'<(-0Q6D
M5F8&M#KPLX;2H2Y1.7N!XNU4*)H7(85%TZT2*02J5M5(JJ"<*4ERN.ED=4GN
M!H^+DZZXB^NQ45_-QXHAK+U;+6KZO\$M%1%E6)"6I8(5(!K,LYA!7G,\$T)H*P
MM\$QSD=O\$A:=%:8X"1X)M#X5.@F-Z#.3#9-N#GZW,&>BD@M[_P?)WEXVTML)
MSTE!\$Y_I7#+X\3GXA5NR_-#.+ZTAKM.6J]>+ILUXU^9>Q_9QDOHC2E)>04
M<[6@2TAXE4;.X9(RCA\$RZRIR\$1YXB4OGJ(@*VU\$SA=U2MP+2;/&'@LU(&X@++04ISN84]V/
[!%>UH^;QV\$.;YQ ME,<8QKR0'@1'%415@6 <"UX0SHHD*TQ9IE[<.;!IZ&69<[F]/O|>K_*&+O%
MW(OQ.)GGI)7D-6]O-ID+'5'S1C3TQW_@-N+H]> M"SWMWC+"O@ "CV806 RI.JW&A!
(.LE#IX^_UZB9B9Y>G!>\$3?JJ-#-|^5H M>)7;TN_?M\O\7:QYLUBL_E 2WJV:W8N9MW-"
[+ "A."2H5*&W)F*"L\$+*"4 MOP1A1*KH7:2)[T?>H R?]+
MU>46[K6'WOIVTS0W;/6DFR7D>|FTOO#PRM#)IUX44++,*P./6'A^45]OG-VZ M_=9@/[4.FVJ MW
Z*@RRYY>5V_E>2.37A[_L.D\CFE*6E5!N>BKI6JN>QKKB(A9R:\IX+DQ<
MZ^Z6@;WFK\ M:57[I'_F"9RO#S/C(WO,+V,T*R^S;I_??WMZ" _/THN/W^M?
O\$=ZGPF_.@_W"VK_A^I%36ZU22+Y5#U81T<^8UH=^7[KTP#-;.<)5RA! D
M29JH\$1%218CF/"H2G&5J"G%IN24+V|=^"L_""8.KX'P?EO_W6&V:T"?S:9 M%IRYV^96S#;
(U.9=ES\,U5G>Q=,5E%V7-%QM=B)3SAN(O\3O<8+E3-7O4; MN<"&N>B1G_@QJ6@;
)FH91L&>,+\$/@\$3R#>!/U"[-17CLHU\+>WV%OB8B MIXU\+4
X"IMKG5S%L>93C\I1PY1S*.8Q1SFHE0SV3B'54\$&C!E+*,4.46XU MD^V"O,
NXA2S[Q5CFBX!;.:8/;)BYQ6N0\3;.)1C;Z MYMB_2Q\XVRSX9S&J2N_I2'8,1^W\Y=L?E+?
M9_\$_.U\UO>+&15^SX2S2CQ*ZJ M,D^KA"CBM50D)50Q&,2H0C"E420*AG&,L-
7XM@!;!G8T@J*AY'5#;=KP'H> MGYI'&#S)"IHN'X5"1S#KU<[PP#_T8\F>L'#H2T#GQ7YJFJHL
K"VT;\$X. M\>C-O-UK/U [W%WF&@SD_O7'_S?"9G16@7H+.#/6T1K1-08E80B+LJY,IA(K3
M]H,!'F@JSRDK"L'=PYJ@,AJ)X736C&&=<4G)EZ"6'!<<0)S\$D>42X8015U
MFN%Y3%IH;SZ0Y=I,TC:#R=IA^C+>SO.9VNT^UO.;PH1C1(HDCSA+(XIH:EI=OB"
MK,#+=R>];Z.SF7=P'J3+^6./IMLMW@.KK?J#K)&PF?7@#1&W-/1MW=+%2DT,
M4R\$9[CK.5'3]U.\$C@[:'^OYA\0P6]3W-9,AW*!Q'I"OFOJ^5GS_CWB\;6H] M;U+>;BU=%@>/J^7Z0?Z!
0L5]>&UCMH5.78G3MZRU;D;^7/Y2]SL^\$Q4YA*W
M#X#+S|@ (7PG\V==0"2/0SXZ1.'^"0='&)GR=JE2H6V;O@P'NL0?-!W1N;'ZN0J?C\;L2EA<, M?I?
>RS\QN:H;IATID=IBSB.1L:0L.2Q\$FLK@47"(B6"08Q1%!/,*\$TO*"6/9 M@3V?
1WW3j\$^QV.Y8I0!VFS_&_@^;WDT!^2]LIF?P& "00-IR7\;3O,3D-C0 MFI^ZQ;4\$-IOV^"IU^]ZC9+&B
D2%3 FI=RL4IQ!S'0;6498E>9IG%L=4YX3 M%MS!#*)?<#LX9)I.
(F;J/_S@8.LI""X@NIFM&W>"6^B'HERIO31HFO3ES MC=NB?BL\$HJV=^V%^7V04^W(
U4APN5"=O(9_K\XL/S/..("5CFR,*MLS)#D*C6W+0JBE)Z

LZ\$4H1PWU7ZO+6;1_VT6O/V9LD^K/"RW35V?N+K-WW+#B\$H911Q*+
(91'8?,9>B4%51\$*\$>5(CS!6,V7%Y!4,8TX\$C@71GU0L)"ATO+EM.-MRG-SBQ.?
N+9R>6A/E_%SGW>4 MK\ R^;CF^Q6JJ\$HRG;:5?)&A&&91E\$!>16G&RE1^B*M5!M<50?
+VM14S4*4/5%K9:ZD\$%5)@^\$ 2IET-40ZV&:+WZ^V)G@6F!LJX3,7JH3 MX&{G';:0;YD85"+@9@?
L2*V)RG^=P/%>X6NGQ2L5!3I!:=;L.U^UVKQOQ*MYMN
M)HP=M!)P56!O-.8=&D3:TBMM#;P<#KC;9K?BC!\$J733/@5%IWY(KV)2VMYJ8 M26G?A\$,6I8-
/7!L6O,'MP{O%ZH^_9"#GJ8LXQ3)!;:0M""T\$+ B60EQS"M4547"(ZNR8'T#+R0{QH. MU2NM2W-V;
{HC1W6MKC%2A8S*,*LZ!)0BZY+X:%^RSR M\CG(P&/06CVD<>^25AR\TPXS_A)*?
^7B4*6(!A!#VG!;OE*(4!0J\$^1&\$ MN;TH/C_!7K+>W5GG941JT;72MY/BPKLKK>"-
:4MH&/1=O{W#%IF+M0!/G9><&>^\$@K>&)EO!;@N6^;)}YP1 M-
*G{N&SPO@A9S)#A1I0TH+>6;FV)8I1&#;8X+G%2!J/VOS".PPT'3Z!\$4OBD\$4-F'UWXW@7QVW"F?
W(MG?K!;BGUT)^Z6!7KAJ_KINO6WE7\$MS?L'YNN_?7+M_?JM)KGF:%B.(DA@3E M!&>XU
^AJMUKWI,UNMC5?NKLMMMLVSX MB,OOQ9G5(8V.Y68FU#,UW JYB-
RVT@=R0S!U"GJE{YH!AS3U=KJH73!6Y; M?0:I>WMVRJLA-TH=5#F<4L6&&%?&
{I0:DZ!0P,IL%F,K2!;P!>CC*V#2=^ M{S)!*YI\$""("AFBLD+Z?9I"\$E44565;"N18?W!6;N#8!#2-
H\$!#I"F6MME! M;PC9N4!G<*Y(HAN9ZCTI?E!J*R6YC; XG;0VNIR50DM&J^KA;RB!7KU;TBK
MYQS,48{R,HMBF NYB\TH+F"%F-S*9A\$E<9Y7<6QWX'A25V>[MZ="?"W
MGI7@K!8T6B>A,G0#7@P6_F=G!FX6;^;FFS6V@NL5^_.UU'8Z^!5VJM2V9Z
MX!4Z*6AB4JU+!A!R;EV\XMH69;T=W3)W?1;T=XR)-; M1H7ML1IED;)4&.)1
ZSC,E%SWD""QH+&2D0%-L5)UZK4,"H>T/K-P%9# MM=7;#;D?E_2_{H0\$(SV=&Z,=GY.9QYD2?3N_-
'P5!1C7X>6!Y9M1W5>J;W! M.O!;MWY?>5H!2L(;*8=Q)O=R7!CJ<>;L;K/^ ^B#?G'?R6_V
6WYSWW""M3<_K MA"BA%&&4T9CF,5<>D!45S"MT@1'@K,B,80Y;7,TB<=Q_ ^0+#S(4;V>RZW,+/5
MJ5GFS&TG;YRY;-JXB<;@TSY({2(>8;3K\$1Y#LNR\$HIPJX*XB!#;&(M\$%54(
M1!B=&D*)"+Q;-2N"_{I2CO9\$8*K""%1#*#&!;4T+76.N;.*K\$>-.3!D.1 M0(Q-"4+!H_6\{N' #V,#S-
!O/NFV\XOY==3QN>WO/N_!-05<#M'7!6G1#2 MP_*YB\$4>T3R&##\$*LRKA\$&=E I.*9ZS"
(JURJSDK9F)#9SMZD>"IDVFW,@V1 M,UNM_O&PC"G08_{KU;'4*!%C!PO7_1N%FMZ?
E;BAT4A=@!12^6!|" MVLU5O*O5#/@!7=^4!%Y!AJUO7_X"Y#^!27+5>D!^_DUVU>BB@715S"*L'2
M=-;408)P_2-\$BR*:-55D5G/ZW-0(!\$KD=PS9N0!^-,W<27B,{Q+IP_4"AW4 M2L^ TH,J!-Y8N5DW-T
IYL_?7>;)_CJ,2D_N@ZH;|TY5W<_97VU;1@1+C
M>9ZH(7\$IXQ"5M)#N2,T,H"2"586BK\$ABD>)LOC8OA3XJQ!HB,J9W@;3;/^+@S'W;@WELLWB!9
M_!UF&{QH!>8Y;LV!&9JL0 CF18!?,?LO)Q_O-9\$NR6U9YWG;4;G;:%CYSMV
MP^DX^LZ8X*I!HSGG\$HYFIKB!NT/Q?A0+^!_54\$T!4DP_YEN(L2MY*)TQ-
/5!L;#7(@;!7VLK3+U&GJ6F'H)BE\$JXR MU,0XY+D9;4B9O;HALI4>/"6QE0=V"LV ^TR
M^HS%!L\$;9H-5\$CP;),=5KBY!+"L_38;X4\$TG'WY>F+;+<9<7AW-;_!H!3 M;=12;4OT*;DY*FKIZY
M9*1DIF+E_BH97V'Z^8WO-CP.*'\$KNJ/*RBCF!69ID,*M0!2N119;R\$N\$T25!J=L3D1YW
MWF"0#.K')^DY;=?!54";NH>IX+/U(L>H!-2?/8.H!"N=>F+!DA;H#3L)R;X
M=#4^P/+FD;Y29F+'Y0.X0_FY;Y7<)) ^6BU7_ZUZ\$S'U-7ISA!)65AF%A5""^
M3L@!F;4P!PG@E5%\$M/(BD3FO+C@.Y2>,DV%,BNEB9!L!\$#X>1HP,W?E#P8! M=|21;XX%;Z>R!+
(INADS(WWR7YX6-CV+Y47#CW)17K!JBF5^FL+RI0L;JFCR M.
(Y)EL\$BHW({0S,9XA0RSDE+7%!>L;@4F?7.M!AL\$-0RL_O6VU>O*5=>(M M ;:P%>%(E)#%.)?
N""!8\$9!"F& D4)+D);,CNS61&M@!O6!*^WJ\$V-(Y?VJ& MJ9D^HZ4G<_Q_I(#!Z6%T=YH,\$UD3LR(:0!#
(3FFS<6NARLO.XT^!26V'&^8
M!C"/*ORQ2#J+B"/L.R+I0*HTYS!/*U059<%%6=J=LEP6&GXS_37X3Z38+V7 M;
<*.1BC&55FIZ3=JM'E20E)&,62,YC@N2)3'V*;5RCMV!HU5DV%G>E+E%Q';
M(ZN!H38S(!50&|*AAGC0P>)/>T,9D;|=8!B(G/LR!^P8,OB6O_C;J2XW=&Y
M'L\$YY*.Z&0C!8SINEFIV^3Q'M&0I5QPO*(89S@4D7&XI65QF9822+,&_&WA M5_SLM94*.9?0Y>U?
U#23U?U23Z;IE^#SF_=@M1R-0=:SC!5BW!ER="ROY\$U MCL_58B?;D_+9;-!9H#Q!-B#X;-
QQGX!D.9@;:(U*0\$XVI>8Z;">83^_HX)!F M,LUU-O,I+E2DGVIZ;L?
P_R;>5&5HE3S\$%&L;DAYS""2GX>\$!Q7.C^>3_WYVY8+.47V/0!.^KQ7<|T+8C\$I=_;SCE!BTJXZ,6X!UM
M8#L0M-7RYVS3J(*_!F/#U7P3_+MNV*GNRNMJC;/3M3=CGZA&3UE(<*C@LE
MC_S6+92!DU9S^65E.@UPJY!^9*U=[S1];&WRFW)WYE")A!2H@525362D= M#4(HA556E3)&9+/%
!C!&4F!H!@GLEZIBO;=!P6ZLC?KV@5837_!D MPPBV6LA/MKN?GMZ!706!6?@6
\$P!O!>5H,L"SL!6!R"5Z_C#U?3_3@!_P96E MX9XB)E.IDX9;EE#LQS;VESN>)V#H!55WF_1>M!5!\$ZS?
#>^%;J*T_O+/!@UQ MAY_UN^;ZI?^IYR!DW!HAJ)VGD8MV MCJ!P'D4P8(F"&8IE7M%PG-
(H)\$&;G_Y7C^G3=D9;);/"!+!9I6.Y9AO/U! (M!%0)-!<=<.D2*(J29,(QH4;RE8) C&-
QPP;JTR',N8!MAW+79-MH5F+W9 MV@Z<;H!12>I04089*A\$!J-
40D1*R/(XSB/>8HCD<OB^N5'W7_7 Y MM7"E678OJ!TG_;;Z)VR>9KC24,=|@XW!5DF
_,^:UT+GUE(Q")6!IGY" M0\$GVV"=QV3Q?31!G)\$W;X7#9Y(V!8+/?QV!G9-SK!V^Z,2!OSQV3Z";
MNS\$W.*6H3'@\$2Z1ZM0K*896@!;9I&B/I/3)!H'>@5NK9P!_B(FV>5,Y>Z
MP#7^H8IK!0&NF=Z%-3KQK0!N9!3;G< MSM?EWNF+LU%!,_DJ_*S;UK*^!6FXVY-
!2;6OQV^81)C^H5JF#WH%U0/M5=RO M!AT9@U^U!H^KZ,3_@'H*XO@2;M!P=^H3S("B^_37\$!?
7R?I>B^S4!_*G M;Z7'N!JE>*2\$JW!|@?%J;C>_72>5IB@*"MABE !,RS_1E*>0H(JEE&YU>9V
MPVJNU">P-!2)O!72TV ^@: Y4I^YN>O/X.^/W)E&TY; &SF!L+ 9N?A7B(V**K
M9/HBH;\$>_KR7O>V>)'6%X\$E!DCT@^ ^!X0!VAS7GN ;ZMIRW/YXTL!T!34B2 MEX+
E&089DDD(*9I!/,X"@NHX0R8Y(<{&!X!\$!J!&>PS.'\$)8W&RR MLPE!
!<=%@Y7^ ^*7>O.@JE!E(#DP6'T6;JE?5HN%=/5_X(-!QD!2X(S\$44
MPXQD!;P2D4)!5,==3D2<677)N*L2NC!2JZ%25V++-Z?SE3M_-<KR;;,4<| \$ MCJJ,Y# 53-

&5YS%\$I&20%;PJB3DN")F-003XNY4WM ITNY!_JCC0-4QY?^ M76*6,?<5C\!P!&H2B'V!-
G??I1&1H,1X!\$8-OROJ0*^@QJ3LJ2@% M(_LR5N25B;YL ;M, \F5J1! ?2>Y7\$U9U
1X@!#K5J^Z37A!T\$Q7E>|0@EB\$%2 M5?)JE#,JISA+8"+4"1J-HZRTJ5SRJDTY_-
#&M!YJ*2'1V#F#2="U,DK;H5G;OED!\$I435AE(77JK8J-Z+>.F=LXR3*JT2&% ">0\$SH;HE229C
M2)R549'E18Z,SJ3"JADXJKIAK%9B_X/Q!:=?%=-U;U% &/ 9N>1>7@-Y'T'G M!*=^=XC,PJ
Y^&I3_"U#J@T%_,#8 W.A6A9T)?XIG>\$U*Z#6>I<|4TI3/L,K, MDV^HK3)5WH2_8F;+-
X#G,V>I;GM6'KFXV%;=&0 2"Z2 A=5!(LHSV&69D2U M"2-
812RM*LHR8=>2=U%BZ#>FEF^WJ;B,DMF>P:OM=N^L+0/ZL9%,-<-^0>G
MZV^KKKUMK\HSRW/I%*0GP+FB#HA)K@8I(1C%::\BBE/C.E)_*@4V&ELU>L:
M1X<EJL+3;Q,EU,9A'8'&Y#W@:*FC5J>.,>1#7-TM<::2-C\W.
M6'=B+58+*900=;O/^@.EYH%Z!%>UH^;1I#0 <533QB@@P?UZR=Y5W40LCVG
M55JL> /HHTQ&AJJE0(*)U_KW!>/3HJ;U6GZ#^NDKC2+T4EWC^*E>JSXD#8,G
MOJUSF)YUJD|UHY3=\$>.RGEV (&+Q>H/ M+/6?(U00DC
.25)QF%54!=H\@0E+ "\$XK&7"R7?.M.1FTH7@79V??Q?|+7BAA MZINKVW\$%>#Y7|G|5GF.;
MW6GB14TBH.TN4B*(F%1 6,>)S*\$0M+Y")K G"4YHCP6%;>.:I!\$R!";?*T: M)\$JW+2_4S8I.
<@;Z!5!OZ3?=&|4I>>L|Q'M=YVVTT."/ % SG_?JC\G.0W9/ MZ)> 3^B*3MP ""KOR_6IXRMUZ0:
^73/:@AA;FY?4I# +N^)F_7R!>L3U8%#!%*@N+RQO67/Z-B#)"AK'<6(U,^Y01&"VPL\$6B+XO9-
IZ3V/X&+F M^JZSULYO#88JK_1IM6Q&=BMNY(N66WNET|9Y^|V,P M=1!3@&OK2
;J=*74#+S\$>72V*W% ^N|5YFYZ_.8^S@YNY%B)O|LA9D8G=UK6
M';JWJ^_HZ@;=:A;WKK!*,44\$J:E4|8B(T>- R4D%3% ^K7>J|%^%WI;0BUI&.: "FKLL0
M3+9.ZGJ\$'%R1NG(Z!R(G=BSD(AX|\$XMIK4U>*X.C-JG| %E|2&0/ |KSI
MY_/N# #U* B4TXAGK%XR_KBL M12UW!JKNobl+!(IXK6X|&L1"OVJHYL GX!M'BD
KI8YHA&D2AGP0AM GD<_M>)Z(I,T2%.|F'U/YKY32L83G=+K&|D9N;NQ(5>Z(U(W)
\$PN8KR=%GE#_|FI M&|ZD/QWUU.C?;1Y^"=S5F*>| "R#.;JF") (2FS.\$E*, "H0I0Q5W: ?T+LXT M-
1%JHM^H%U UJBL|+Q>J =FYAM?\$W|G#WJLCV\$VIK|<*SU4>@UJZ_?42\$W0 M: SX;_J"?
CPT,KB=/'\$K+2?UU8*CWO7IH<7: ^7Q?;.,_SV|V1EMYS^?
+_Z_A_I|N%W?|CMZ9'MYID^1VJ|JR4(HQIL|9%3E| MPS|&ZT6^@&5@@GC!*P:CM)+? \RHFD!
405+1N*SR;L9'@(3LYCD@D2'V,)N M26RK\$|53MS/7P"7:9;&L!")4E9"9%:LN3Y0NXK. M;0+,S&
(JCTC8>:2|E4U6'H=& W\;W_ ^BD@ZUXT,LW+^:V|/ .4P@+ MD9U_&.D|M"(S< 2PV8-8^+U3R*
(R1(Z|PKY|C;J40%<;H,H,7U958J%|U9G1C53G;4+6H;6- 'P_3-%*< M^!'9QLO^70< E*/;'H+6WWH-
%PZQ^PQ#8Y|W=W/6VZ^\$;|P+^I;?O.C M;N>X(G&6I@B6\$<|@EK "(C4A3
;#6<1309E= _=MQ,8\$=ZJ@;Y^FI66'ZH%2;
M5@7PNU+"LOCC!&:F/NYZ&.RZWNB"DJV;7|>_M/;IY@G+,89F46%5E4(AQDJLFI"+)8R0J
M7C@<5%Z6/V9XTZ%KDIU|?@HO^K=C-"?ZF4W_|.U' !J *O98O>\$DEMMA<9@ M)!QTTD\$G?
@8Z|3R64!@;ZZMFEXK+ :8LDC \$XJ(HPO|+-4;P50D;EVYEUW_ "/ M+W+|J3.Z)94!AG9_4"5%Y^X|?
OAU|4,XCF)117G%:(,I4F2R%&*(OEF>2) MD/XEIU8|A|*!8X?/JS^D'&Z:LS7E/!=3=<_Y--
I6:W#|7:FAH?;N1"EAK/MT*;JSXWUW%;8^W-I/N'SY2VJ#2I6_0)XK|C M|IOU|KZ@9|9445^?
9(^8=5|Z)L_|<: HZHH28QA44;2;|95+ #UH4L TICSE M+|\$|2,K8KK+|@;.:3W,GOAC3T&H!!!:=
U648S3R>5W#LW-FUN#C4T10;ZJV(M_I*|B2OH#0K+4E;#V"EME2=S3^NCI+)4SWR00H
MC#PTQ'-XTC JY0C'AIXJI+PR"=?OP#| 7(MOQ.U_ |3RN|4H09Y'+K |. |M11!5M()IE*\$|8465H-
+FI1Y(S| "AP,VC:FC|'UU<7&^E|B/*7J_P>_R@|'S) M*|+OZ)#| %GZ_JY?UFL/TK^KNJFM(7_.*O
C2A)|I# '6O|_M@K|"-0AJ|"/ MB7.<|7T968ZR?9FM?S.IJM&GQ6G6^E CPNW"-EEBJ;9VPV|D9T?
W<&C59B! MD1+ #/S187|Z"93^\$R|)R7Z.V3.5..U#+\$HR#L5FVUU|7>_ ^_.W7NOLTH|4QF
M_9B0>4)*@BM!8<&H="05BV1HR.2&+TZS!&.6<&)%I&F-GAI4J>\$6P7Y!<3,
MG(5_'.QO%=@G(WN=0_ |5JV^V'#F.I.N_"LS.Z3-59H\$;+N VYTJY=>?|52E9IFK;QNH
M#*O\$KA!#349DIOKI?P D(RC%|H @E6-V+KHK)9'P|83#X7#-/D\$SZU<#3.R MD|^557=000<
A/3^*JKNFNL=+T-0!)?CH: %FS2R)?WW969(/P7MB2\ X6)= MISUN,) _JB# #JEI^
?;|^3,O=KKP9%X,BCE<#J=|2Q_E:8FS_ |Q67*FX*R,04186/ M@6I :K3|&6KQA:8S|RSXZ*^LPUZ/
(I=013C%=VN=+>> M3WS3)GZ5M'M>W8_|Z_JJ.2%#N|8_7J9A%DJ*TA#@)YUN0%AJ0(LA0(A#&
M(BM0X=Y8V1.74Q|-.ZJMT=ZJ5.?&C"N?%\$%7|>TG.BIR3%=>GW-V673_D/, MA/7A^\$A/W@';0/\$-
!HRKRAC0L|Y|3W&Y+LI5?PO0">|_N,|(-CVBR_PDSZ M|+(YXR.
|++L6=-6399|T7|!'LN>U7>^Q;)O8G9|=%-OECK/>I^#?5.O|VK| MT,'4(Q71+9"
:9QG\$(6Y4;!O.12QBP27.38**1|B=#\$.Z4F|:@) !UQ2SS_
MB^HZO\Y5(+=)N4NO|\$I,A7N7"!%CC\$(HLB?|@&4B\//8C!,A>S7O/'S;E'7
MC|VIO<.3W*HF9V_XW_B*O7FZK7'5"%ZOZUV%Y3)%C%_6<9@E\$8)R;7.8ARB& M1#V16M=A M'-
/N@Z@UT+?3:O @HKMZ|S&941H5D1Y H.7E!U%ESS@LYHRLRB^Y+6\$'DC^!E8G-
P>R|MK\$8YL3,"8|1K9B-F MTIGUA?"QM-O6TVA;)5)U3S7DL\$>14=P!Q9X_ ^_
!1Y|,T!A.9K52'E3VTHCY M&-(YT>U%?;.,MO0(O^EAUO|HFJZ|GQ>?U:O6A;9^|I(O)-("\$Nfy0\$32&&
(4 M"(B#*(U%@-+\$KLF&QL36|6!74X(%V <|WCXC^LL^-"?Q_P9=R,4=20#;|QH=J;4|:C'NKJ80.S
M|^*5B>U(1|G09+P4Y|P-&")W: +NB'BK;#|!^!D >/E&M|HHVR^RE^/,LFI. M,|O@U_-'@'JU*8I#-
%B=,CB>.OC9900&A 6PY3)G1FA0H&=\$P135""2"!JR MD%DUZ+)F8>
(EM3MVOT2"DMN+G+N*!|@6|*W=8ONGGB4 PU25!WPHNSF MPFP/GU;##GK(:EZC-;B(,17|I#TQ?
=ZVB?6M09)/WZR;4J>1+!F.4Z';0YIF B*6QS#G;0|3 A,4TS2C461C(_RP M;,\$ID1LMZ&H-
P|/"ZD)3M8|Y|G;F1%/,V%F; >;7KYU1&O*G_ YZ#C4&N.81 M|'AL*P0Z+KN<./W2S<69L+9??
A7GR_K*5B*\$UQ@&&0% @ZB(Y3&1L@AF>8!3%B<4<;HKCG) MB6VBXJ&_F.VY:!'=:GQ8U*68*?
&|R9M&-7;FS\$ K+F4|AM^8>_ 54Q_P4XBVC9KMH%, |*H X;?V"=|@
ML,9R3QL0>TGT1PB"G5"\$8>#KU-MNEN*7|0A5"V|H%_&4M-O(W9:/ M+VD"I@F+%3(5

CF(I+V1A1CHHB9;1KDL\$IP[3JP3,"J4J1YH.L)V M-N*BRRL@T1%V-F% 670DP8H070U/U9
U,Y/=F\B^1FM0"FPK]<^|_O^50T283 M7E<>K^D\;6BRK!L\;EXY<9)=9?S<-R&M8J
G>MS\WO5\,UFQ?L,2XE(THR& M#;91CB'B"F"9YPK4)F0XISDGS+@ILP7=Z;_Z*GF JO_D&U
/>E?J9'54LM7E MY6C41;R.2R=;5FUX^1B\ZI1ZC*/3DVD-K<0E4?U646L')1P)FQE,|HLL2L'
M\$87/NJWS;WR7"UM!0JQRM D"K74/7N M"F'.50I47XIV^@H MNO%"-
A3L3";F*"UP.0 _|H|7I7%G6<*&PO5+UO3QL;E-ZMKOLT*@NQ;_VUE
MQQ=F\W7FW+78U1OW=W_OOV\XU;A@ZZ|ELUE&N8?#'GF6@>';
MKAHW@V9'S%>8%SO3Y'U*WE?2^|'@|#X0.2;2H_=TL'%-
*78@0\$HV*56J7P+W\$0BRR2!U(B4NE181+! H<"QD66Q105\$0FM^J.?
M)S>Q51T0\);@#T#=#A;R@N\;#)|_C=C9LQ*L#9*9C)ZLC47B,UJ0LP\$?VD9 M#-^RCTP-
@OUJDA=-|I7ZT=E.C1N0>ZDB_4(1+G, VS3*Y|1&&>\$P|#(.! MG@B",Z.3E!75B9?_#JJOY
#;_,^)#9R'G3801Z8FT9'J95W/ Q@PT<)|_&1+ MF>O)/"0UB;|< E)F>O,3A+(6^TP(RGRLV0)0UN(-
PT_V+|OBL.UZ.N"K@-8 M6V|2|_EH>_0AQF69U6<0HP8@SC'E#,2!0);(0.U(NQ7I
MG%:7F7_D10EVE M;5?@<8M NR>0,|T5G9FBS"^(>@IA=>L'QT+.NIFYY_? ". MD\UO>-/H7_FCSM
I9NZE&>N1|5;9X>|4W#;A8>EL@4XT2G9? M1RDG'N8|88U1T\';|1@IM
=G|;57R7=#B_A'6|H76IXZ%O^??-&BOFG*;' MY9\$F-AR2 ?C7JZL;T(-E# '@P!_P4.AYR^%?
%W8FXIP;IA@&0"; T\H(N:B M.H&+&P_&^:(N:A#*!+M|QDI6ID^&5YMU,^32>/F\Y%:CC?
YTA|N\^1FLUHU*(B|KS1H(VUN5U9UE MI;_?R3+S85YM NP,UTLVV|+>:-L=KU!EV|*'->?
F3'/MSB'91I"=' MR2|OLSIO DZCUI6,U#1%?*>DWB N;Z4OIL_EYN|@><'6"V-1^KJ|H;Y0OV;T
M4\$"5=WJ9I;G%",Y7U*7|6!'E(K0I<7DN0B3W) M'0|_#ZS/(0SEV\$3YF6;=;)?
XGS"7=AO*|=174NLBRV'6|L15,RR JU(R@-H M*Y"|?@3G7YPRI7_>*9FL%F
F,5ZYB&#>R;JH*"G6WNB)|+9&L1#8>V=HC&|16\$ _9+|_D#63U*;&T3| MDLA'0-
(OON*VXEM0;.5|KRO;G>MS5@2A3'B*<0B2B&*G*C@5G|_|@XIRKU)UQ);HJX8 MJM5L=?
M7EMURW^OI2ZLGR8+|R-HD=-;E<|XHQ(7|<|_3|OV9K.3VU;G)C.B|
M/9NL%"0O=DI5KGD>/56XT5WM;?76TV=4FV&Y5+<;M^JP&.U.E\$77.
MN5HERL(HBY+\$40@1QADL*(Y@DO!49#@BC%NAJ8_D9V+|ZY<;37D&1>"4UW\$ MX0WP;>Q;F-
FD&?5K9ZP&C(&6LZXZ%POY4RWM=Y/P?C<)>X9U_.BYW?;CN5# M>?Z2MD9Q,W=JEP_5'4D
|S*L(V25NK.X%K>UOCU^TD.VJ8L9YQE+PD(;PY1# ME\$8%Q"\$*Y22F&0IX&(?4JJ7E24H3&SQ-
5ZVIGG(-NB4Z7E;76;VRXL2|*R2 MJ_SVV%279/;%2G62SKQH5)?\$/8"ANOB"?;7+W_BW%=JL;C#|!\$?
LO<)C>ZS+ MAG<%SI\$|QW";7;5"\$@%B%#";4)2H1(X_%X4B>K@A*PHRG>68,#SR"C\FS
M/7"&"6?PLSJL|;_'.1,@8XKL&>K|RH)Q7K4#XS1L/F;34S;=JM
MQ&;QOT4WGA0SYE2G#&CSU;.;9KJ/\$*!='7?5&E=<+M
MQ8&FSI+8T0>2@9^_FQ=Q6RFCO,VVKLF|SQ.25,D&UK+*E3LNWET6?+M346
M=)AJ;_Z2^<C3EWN^6O4(1BQ.LI C!%DL#UZ()ZH#;Q!#0FG"<1+1D%IB/0V'
MG_INJL4YTA1=@9V>;>A,ATOH^5%E(UX#N!-QZ08@=GT;+B9H9J.B7*(T'3T M*>>\$=?
4X^|V2//8KJJ;#;_LGDKS;H_5|7U9,U7GLA0Y%1DF(0!(Q QA"'. M@T3A@""1\$ARB.+9.3+?GP^;3=4U
UUR!9VR!GJ|HME"Q2J)|#%QR;H"L%OY M#5I"B+C AED|97(-
VQF%"57KDDONKAI_>.;/R=&^ZNIB,YX";&<-495")Y
M;AN<;T_=K;|;U\$|OUXPO22(82^((D+U'&!Q O&\$ SR+">\$LC#A1MWS M#.G-
XU4|8Z'#)%/WPATC0%'BZVR<5Z;I|^%-4|NR"BI_|@I1M*.<%O.CS^S
M'V,D|*%C8;.;+T'=#VO_(260<("%@D\$|PP+B%"2P#S) HB23(@D2@,<6D%. M.O(Q>>PWRB?M-
;#3IYFW,H.6|*S&F-X"BK-7;R|P4C6OTU1@Q|6/W\$S@;I;I& M-A\$X&;|^TNLIF_|X<!
=|F\$,"MC_(YC^|GMPP.NGZ|%Q^HK;S;J<-C; >L54)?^OTM!^ MW/'"9BE52J23E<,\$DP(B+%)8T)S#;,%
<((J*+;+*.30A.K&EZUA0F29|)D#/_M!2A#|0\$T(Y8Y-T8*-7/?*O)S@SZT)|_T@+D7UUCS0A.6_O2
LE"2.M'G7 MWAGZE3?-NM;&Z(INRJ_RP*B3@O;7DVD2BS!)4LBSC.D36LH@>)>8^D5I4?P
MYI\$PLA5&U"8V\$BW|=J<#/?FV_YE95UV@|RJP,X M*07+|3O.O& R5VN@T;.
M/2&OFG%SA8YKR(C8RS>&<_G|ABSN3|&X@QI'.77'MO=YC^;5)L@J(TP32" M&4="|L-
(0Y8#'.21Y\$(1!#D5CG\$SX>?VJ'9_-IP2A5^H0I#|!590\$M7Q%@V MAX;5QT3PUICZV>S-Z
)MAAH^FC3|F6-LGO5CH=*B)3-5QA-BY3>3K(HB2# MC 0!1%&
<0YQ+=X"*),XH#1'FE@C;!S0F7E@|1+/7|*#?<;UY^H0? M^-7WLEFBF*,PS_04!5'U,(F
11C&ZMZ\$(<2S(DDR DW5WBL#\$BVY(\$BB;X|%)
MU7!3.ZF5|RO/AZQVR|Y;3..%=TF6PL2^V24/TZN_B<M(Q9/W_JE
R|5^>:'FO|SRROZU,%0%"RD82;"N<%%\M#+(4XS*4CF26(Q"@(-MBMP*4LZ_YL1+<48|"@|0G>8;-
_H=_2L%|MEZZ@2>R@>|YVZ|X MM?@O7)?J4+X|+*CTK)(W^U@I%U%\$TC2\$61(F\$-&0JXG(-
)&L)EH5G#|_#KP"; M!>5YHV_V*CD(S3D,X1(|J)KUJF3ZXD;L,X-QXS@))4N2QISA8B=(H@IQ3 M
M\$H|#"("I"EL\$(X3F3R(,"#;|J6YY;S&C()HR7VS:@X""R95#AO\$RC @LG MAIXQN!>N.@U!>2OND?
T5M^_J4?/H;|=WUHKOC9|<|+S|O?6 M"CG8|NU'&(H+BE\YI277|6WTA>|7.&;G"S>;?E^_U0
_1H|D|9F1\$P>^H M+HM4GCI2'L=A\$)(BRZUB&4Y<3&QV=CR|/5,*PU/ZT9*+;\$+>Y4;!D*G5J2= MK?
*A0T?(-4SM^7A%6#.'=5T' #=#;|Q"0;J#%GZ"\$N;1R)"N2I_SV.(M"AY PI) &J4(%5&6%3BV2MAY;?
L,B07@49)URR|H%6)F,D;(:6<=A*V=>/O MO_>|S6&'JOZA!;A^Y*KL4/Z|R_8Z%^-Q3D%X(7G|(-
^|%)=)/7@AVJFT@Y>/ MC>E3|(73KBFK;J&RWDH!K-R|?2.2UJJ0|2T"|N+F-?O^&.W=0EY5?L|O6
M1KQM^UF47_G5@|JS74;A2AW&.2Q2M;HS&D!<"*%#!.4,,)H9;76G(K1J2|<
MVMX|S8YOW;5);@JEG/_JP#(7EO,=D78*O9!X^*?X|W BP W8D L);!I?/" M!%-N>'GS TRDY;5/.X=?
#N>P8QH,N0;*|18E?@%:SH%F'5P-YG#//;@Z/X>. MO22F4|7#7=A03L/D*2VF4_;QIA@3TG-
%/Y*GVBU5K;VKNZN*?>;ZN=';=9L> M1|M_?
^8JMB8?"9S8LH4YLE6|F8V>5)EVQM>W^ATPC1QUX0W/R);^S%A& MCNHYQ#%R'>M<| MU6,/(%-
)?;7_N4AOWLX_IN(?/TQ?M\$|H|ZAN|_AM0|D2RD47.1VTJHJWJC M>F^7>*5.Y:M5>!%0DN6%PC_+(</p></div>

J3!9Q(&#!TXB\$@B=Q8(YU!;# MQ#I.WYY(7&H:QNC\$SO*V824MVUD,Q! 8<@1U+VKCNF0)#KES
!%V_ M47,@^EUZPABIZ1C3_#UXY1R#KK><>3Y8.O'B?X,LGID4"/K0#Y6DESS*_ M5V&W+!
1)I)"4QA0SJ7I3B)8Y&\$&65R\$*-<!S&(C\$&P#6A.:: \$WJ_ RO, W^ M; ^A8Y7%\$/X:7FGZDMKRZ'\$3?
6KJJLEI2!N%EN^I>VW%:1-U'4Q: \$N/Y? -GV^>WD@+I%KOU/D8C|NW&
M#,7TU77L\$KEYFXI9"G_0@|ST/62D\$JRB*7_P@2"E! B79PT MAIBB!)
(D2I(H\$% '&@N5FO<\$K,P/V; '0KF|2C8;RF;M4K@+:TG,++SW5A9EV< M);0S&+V-Z CY6_M'^?
>TG)^//>L*/2K6RT5W_ %Q6_#MF")_ EIB4J|TG;H" M+./|\$(,4!U%"6 115H00:8&0BXP4D!&:Q1%+
<8J-DJ;M24_L%3S# '8\$0C;0 MW^6X|71:L8P= /=%;ED|DA|*7/J|(_ R+2Y M"@PAIPT&?;4 :G-
!3!%16XPP\$I_ Q6KS%S?V'U?L;LS>N08PXB7,8"F5AHX1! M+.2/11H7*&:(462%+> .V,3F=(ION!9
\$0>;NK6=-,*,F;?C2QMV9G2\$(MR1 M'\\(Z|L\\ABIUT&%/"/T28S(<^X%KM6Y;K^M-[PIF_S'F,44)3#D
5<^DTQ M@3FE&60137D:B"1/C/I_G:0P|5+6|(_ F:%NZ^E(7ABMUC(26RW,@W 17(B04|
|>*)YOAP,"L1L5=02^MSHB1 M'#+C;MY_XM|WW49'HBA!"8YADC*DTF41Q"A!..&"Y\$%:<8JP<;!;
<.2ILIAN MW@-%3'>BLTBY>B;Y2'"LTAVJWXGC4,2V3.)+%/+#7"5S3/@REM NE^N8%.U3\$VGV53'7W
T>=85W>WO'Y0V-: X4U7<_ 29/W86Y5K5_MGZ4V#MU/>BF2)(^#E\$):2,1?
A8C(WP60Y)S&J5AGD:;56V/&QL3FPWY0626_M7H>;_ @T|C|EU9.EI2'Z@8DACT"! QI/3-
(W'QTGOR|MP8V)>3V.4H@Z|C7&C MN29|D.W'2A4+|3N=Y#F- TREQQ&G0IYO@A@6G.D<6L+%-
)VS|64K< O* &*RYM^GZ+YRN^|+ZKC|R-/(<)L:5E"VAI?SD MX2R5W8+V)9|Y_ ,%9,+2X@|& 5N&'HT*
<"3|!WZV|_ 1-H?AA^/_C 2Y?- %J M;QG%81+A/(Q#S&4'CZ%N_YS&D08!'A0/H13CB6+PA-O;W;
(MTW5BB.)W4 MC=G.|T-B.|NP%_9EF|H)("1/2.4.)?(EF=_ER.57_K&BZP?
^Z|HVE,G+7*6A2*\$499D76.M1! 84|&R(E-| MM56ZCPWQB1?S@!6@>0'/F \$M-^
GO<_/_N=X*U6;V8&I%&AG&_SJSCZIVD\$)
MOG*N;4C/FY+MH)2#C&V7,68#LNR1*HN0D2S&,\$R*0CH3J?0CB@S!..=)'N4) MIY&537+F9&
(#-8#^F0DVK_ZI: ?ZN^<-RL*|X^_LV6UTN:(|X63/E_*J5+|ABK*X|C|+!0L8 MHJF)V;I:6*SU-
(&BCC|4U\$'/7G0TC56#I9EQUH"Q&3&6|HB9 M:#C|Y6|I|= _E&*V%D/_8&X;+(^R|(T%
|!>V^0MN_HCV=^1)2TYT*:U"&ION MX67B/ |3U88+A0(B2CG,%5_8H3FATN=@H; *7YRA-/E/T1.!|
(5GK20SK|&3 MZ'8+MCVB',@^03*U@7B>-O9SE&;=N@U\$?KDYFIQB?|_0GD|N|725\$:.BY:KL
M^OBP+>7LLSS4-! 6=?O4!RG&;|C:"KP'/_W"ZZ|EY;L.H|N\$YB\$)8PHY)A@B MSBDDF(8P%Q%-=\$ S-
P8\$|W.K9DN;DI6X M5KYV60*ZPU6_U6>E/E3_ (GMEZM<-V 1|D(&|7|S^9W#-XG|? *|RVM.E9U=
MZV9) 5L|YU6U|VOGZO_NKKJ'U0(&SUC6J!<|TXM|K^17G"3SNZ37G"RWZZB; M?
A5TIWJ5/2/M(6"E\$+S6>)*\$;|YQ7LD%IJ2R5DL|NQ;UOS4|U.QKVO*=9E-
2(+BTM7@%&BG45FYU3|_!VW6_68/' MFJN?NS_ |M-)1/OUAJ5R)LMJJ<==M3KM*
<";|BI9G|KE^RZ&1&ITN)5\$2VA M|@&N|Z7;(- GMJ\$E|T+;5C1RJ CZ\$T8%LQ|= *?4K%2?
B4VU_ |D+WXN!*?Z\$|_ < M*7HG.=NUY%3*&MYL3D;#M:QZ3?_ |S|^E6;C'#6<;ETA.
!%WFJ(D4ZZ9CD0L M69Z@+!4I#*G/Y0%!(8)9Q""*%68)"8J@L#IP6-">V+\$8,&%;76VN/K.CR\$1*
ML=O"-1-@P\$77,D'S 5I&0,O)HHU5^JS%ME: M|)L<|HS5V|J^2P<-M^"#>+
M|@97?|Z6#_R=!:;TI3A"5."^4IS5|@LBRL_>|H"|7
MZH6G7;ME=E|'N|*ATC/>UOR6?| ^|D6S^N611'L0QI7(C+W*(.)6KDL04YJ'(_ MTICFN+OTBM?5^
|KE5|!M%>E9-9D05E_ #.9^X|7?"H@PT M:8_KUD1",YTTSY";N:WF9:\$/>VP:O&.?47R|KN4:7|X4|E?
Q_6X29FF2QJI= M)L=j)><)S..\$0)X'>9(C7F 1FL8&3Y.9> WO"(.!9>V Z@BM>0#HC*(NQ|O|
MB&^WBH|+;E^"?49P|QB6'P6X1:/>);)NRXDW3Q9K4::/A=RWFF|115N;R;_&L.R_/%NFX+, P
M9F'PM#L:#>?/<29Z +FG'G#BW9:KHL|V\F-9<0%1 1++X5&\$51- MOED@3Q&.&ADX5P8F-
GWR6|GM,6BL-&CFQ4RI%SN;V')R'|FQ|ZB@Z|I&XNW MP#-R+_ ,R|*| @|8T5^=M 9%^4<@YQQ&L?
-|GSBFWWFZ X/D2<<\$40\$5-F: M|C@4!S!;8Y%,O?5B|N<&ZSQP*? BCPKJZKN^6JWX'6P#
2A;J8D/X!3:FJVL18 M>@Q,KEO38X|=Z>G7LF1&W<6^?
WO;EGPKEJ1;W%8YR"|=MUR!88%S;B5QAP%!:41##!848RPI@05KW6IF-U8N/?
U8TTAW4C=5A.B+GJ=TPGWLS5_#&FTVXO&E\$!U/_ M-
//@:C"3>_Y_A#HA2R6_7B&1*._>J61I<|E"+94G3\$>>JR_A3<2Q^TCL,@ M9DD.
(UY0B((DA'D<(AA%!,=1PM(@LP*"/R0QL2GO"5J_PYY1AYFA">DG8%| M)M|\$J0*G9?
&%H'1(8%ZHI),"F BG7|2L<3H6R MV2P3\$K_L3PC,B*H;3)5-
X@3&"0D3UD8)E%LY:4Y<3'QJCT...O_=)&G!7C6 MH*0+1ZU/8 |L6<OKYJC.Y|55XY M|3!O3=88-
1U4:XT:S,U4*B|(?SNWG-Y7Y3^E2U0VNAB L|X=3I^)^?)(<=< M89I\$\$(59 E+"2R"B(8IS7D6&
<'8VY.>V"CN& \$|3A9@S|N^4Y.=;_0K9D| MFT9A=D;_6%<3N\$SV|GLR1!;\$9|4^|@IY:7(<1AA1|?
U)BM4V*1VTU.N6@ \$ 9 MCE*\$ (8J)@"@O",P1CR%F09RGE*1I3.T0;B^1M%DD3L"V>ZCFMBYZP(%#-?
@Y MY1GZ0QX58NGZ;/GWH(>JF*HXW\$!0GQ7BY|C-7R9N(S16G&3|^SO|J|6THR H MOIH?
UO6|J99LQ'9U1;69:2&N|AG)&64!SC("Y9*G\$51* |A801H401QG :% MP-C,#-
@1GMP8#'#<=VSIDLR>=!SIG^|1X5L.Q,I;BUN|RO4?OD"=!HUVIF0 M2SIKL>^
27KX&&697WM.HS3'*T|MBM< |9/I.^*H>F|? *XM!58_ \$KS2.N|^ MBAIG?
5*QYT8GFY\$|35UYC;48K#9;D+M!1S>@C|I>BCU7>X*O^E/ZVWZZI9 MKTJF?
|BJV(W|NOK|EITQ@FO=D\$+V_0J+|0F=%@&|&F<_3V#.C%|R*);+ #LF M|V&
<:=KZ>M6;+_ "'T_S.DD^U7C@27D=W\$<(_ ^|O+N71|HKZ;K@N|T93Y7F MWW""Y JK-
_DXR(A(>PB*DB;JSP1 G00QY+F*>I@42J1WTEB4#\$|=X>@8@;CG0 M6Z%&!5%%&-
BU@:Z=0E7^|78R\$AUSPSHN-E%?#3LC8:R41Q-%7XVU|4DD6<#
M|J8=#97SOEXL|4X;B;HEY3SEFC("\$&G="^W*_K3=|L;1ED:E+JYNAUG|OM;8/PUU=UH+X8VE
OQ5XY@2GKM\$QU(A1^IV;\$=P M,SEO;|*S0=,=3G?U?
=2FA8L#8B("DCS0IZA&JD:2\$|3'DF,I1&*!%627V' M)"9V5%J"H*<(_ E T+3-
ZCNC%S|J,D|9NU5L*.KVP3|OB:0\$?(3#K0CTMX,L% M>>);)L:&==.AQ77)-:U2N)M?
BTK_G'#'YHE%06E)\$ (PR'.Y\$FD0P3S#',89 M3C-*DB@LK""Y#&C.EKFG4\$#E1C_@P35|

<5I_MA\$++UIQ#E(HA3PC#_Y0# #-MP21)<1?E1Z(. \$WQE6(/%U5P.MQP^=77 R5?
%B&+HPP)2%,:2=,AQ_&3?/'U247?>5IBWOVY/ MK#/@/2LK|TF"E@VGD|Z% M/LW.\$!-
HR6XS=E20/0*7M:R^L+?,"<^+NF6MD.|+?L11IPSWG2>|MM|7_Q MYJ:F7_@C;C=4^>??
Y)8JE^<2%7& !1,PP4CAE_ ("DEPEM J6T(1PD1"VK/B= MPK6P.% "843=,)D6|3(8|6%S+
<,:@GK'V0AY:T@P=JJ%\$+E|^CEL9Z|C_UO/P, M.FX6X(7VU&_ 3:T|S?=OQ;=O" _VG1S'^WT8>
(E&HXXOS-H)^I1G|IR'"N+ M_*6%T?W395X\$F*&P@&F2Q:H!90@+&L@?TR#\$_.|/#G%%S:^V1L|DM^8
M/B/F>|DKS|*1HN&D|!C DT>6:.' M|DEM MMUK A4-=|8IAG?M@?Z9WY4J7|S:?,(/?
(EQ1G',.10%IA"E&8T|3***V;P7?F)YQR3#(1H^\$8M|W>|+KJJ++!!2>RNVBG.8L:(\$\$. \$ M5.UZ@C',TT!
EN5%&,RG06|D.E|3-T+L&<5|'F=J@F!1_5-FR=MR|2/D\$/M|J\$C# M_&K7T>W,+*=L>
<7^<,:O^M*YN^/H37RM|M_5|!P"A>'&1B.|>'F569%I() M>>//^&GR2_U-||*H(T\$?UNM-M3:M3:VLF?-&
&S*M2|.R2I3X|MX T%OS,^4F. MT1D3R08VY/+(LY@%8P'|E6|^@B,:G^L.6U30.2_5|PKC;|Z4/&4?
W7!1(: " M+.0(J: 6&-6P#P+(HA2'H:Y" I46(\$-FA"= _%"U9T%!'& MB6"LHD*S;P6
MWXJQ6_M#Z@NPHZ_5:QOLNH?)6A5/OKL47^=M&M"F&&A9G6>09%UF1 M0:X\$0F&L8YC31,
BS8HXPBPBP@K2P@|:\$UN9CDF5.MRQ"09|@CVC"|"S"EI> MU87'D-L.4LLR*=)F
4%<@3P."X@2QF#.XQ1RGA=)D-%(9%8.W_0L3QT.VZK|^97.C%| M%;M<|7W?|+5YW_
9)|\$PEO|!#38WE-8!&LCT*RM_V|51>K"@K:'Y-WE@DXBNH|!#V77:(#@ M=K&.I9|MHP86JC:-'DRC0-
LH@D = M.804|)7@+;1@07KF\$|.14@Y# #0YC.-PHJ"+TOZK\$D7>2SJXWG/%=PO'7)|87 M^XZ*"L0-*
Y.^,T2S/26YP5S!>.:M; MTR=41)VC8;N5RE"U(I',GV&O!SV?S9=;| 28IY*K?P)"A4T|6\$
MP0+'\$219@E.:)P4Q0ULPI#?QHOP_T.U|.IXL\$R8NJ0JLOW9HP+L%FA/&#RC M#|3I"5A&(KI"VWI
K5YH9?,1#_83)|S=F-5X?>;C-6)X6KIN\$;5=>M?NB+ M@:/|19:H\$&&>, IY)&*YI& >8%SR
7B*\$T#3HK TI>WXY|B6Z NLOMV-UAS M8NVM6VK4V&6?3D^6>|HFK(LJ=)?5G0:Q&(I7A|U-!?
ZA=DOZ<|ON;NHYXK| M#N1FA'9.R|?J<;MI?N5?^2KJ=L|X1V\$BL@12'F""*W,Q+|Y?
\$M7|4Z5E\$ \$T@6=A*(G,W"
MTJP+WD#DETO;Y!7'15Q6Y8;_6GY5:84;^1VH3J>MW=A=@@US#6YX7;Y9N"QP MEJ;RM
"CA(80A2*'.8L\$Q 'A>1J\$K,BM8H..?\$QH-=<0KU?RC>;|/|?EYNEC15=;|H|Z%:UU=37_9M-
)F0K"3>|H6M/10WAS697 MJD"C0!1R|J%((@)1D_8P#Y,_%B0G_,^B% FK:W2_|\$UL'(?_AMHV;6S>9YG
MP|P4OIZ.|2QDRYORP3KN0,<>N'H!'_B<0|"S.\$G=R#3:|V1'/3,WJWF=1K\$O MK>Y\$5!RCU2TH9?
DO5;-?Z1%5|?ZSM.HH# 1E201Q\$C.(>|1A\$2<(BBRC:13A M1"!A%;&^3'-
BL_G,GUF+'H3<=0!P,@EO28:S1-K %%"I&5PVT"SA@%NO_JR M#/(5--3U|@LBXG2U2VD|17K-J X;|S;7
4';6^+5^TL1E-O>B"00_+U78T? M|TN*5^_6RE%<1E'&"4493!@*(\$IC:2-
02&\$B+46("A%GN9\$7=I,*Q%9A2!#| MT9(TS_4_KYSSR|JR;R'8+VTY:XV5L),VYA2L'&"Q: ^=-^P9X?
>Y8E:B1>ORC- M'AYQBOK8-%O.WFG4X/9PIB-4C_@W_9=F&=(PRJ,(09|% B)57B97J8""RR6:
M)RG.>&|.|+I\$=>)EVOI,H-1<;&#N=57QMF9 =QA4,-K9+VF4_ \$6APRN@BK?@ M 5<,:|P^?
17+HVA|5*5>K04?1?:.4EU|U MV5*:(AH'(9:C|O|@@PGD <2/'/"FF0"5\$@+E)B=35QP=!GK/V7;%
MK|5|W9^"|Z|P)=|7/,WN%%\$|^@#5RV4GTZ45TT,|BIUIFB-BT;WV^,LT#### M."|B""B73D82%#
O3).YPC&OJ+XTVU=-D_.7=<32_ =B MLODR=\$E^A%FP=&,49U"S!F|:KKO@J|HE(|J:8|&GQ+.V(&E_5-
:Q#(6 VM:< M J|X&|,IU)>'!F?|WI54ZO|P!;:G:8P_ ^9-YMZN^|R|YFO=F"M;1%Z!':<
MTS2#+,XBB#*>0|SB\$ 9AR\$B:1FE"K, =+6A/;)R?T=O+@
M\$9=,W1|5*N%Y<.M;=OPT"U|Q#:>N_ZJN|DICR'H;:9L9&%|:=#(L/7&EC>N: ME16NG|".C|6IBW-
_5L=">D_6QH3BK%;&0@40K8O-J_9UB,IBR=6H**@2+-TX MS; &|E|I79UGB--
Z2NKS*|F#P/;NP&E9O;6&NR"74P7B ML?%FJ\$X|(|RP|O#<8 -: \$;YPNE4+,HS(;:F1?B?%*.T8\$3-
@@RB4/KSN8K/ MO#RG><&C+#1#ECDV^,2+3-0>T48_41^!CUU|XX(|HXO|+&BFBWK&REL|VJ%
M<\$H,IS8(|X/-U@+AE|C#|@D0(1+#Q8OB_@* M8"\$2!@DC+!%I%L.06B4_G:8U|=
(Z4J6J*\$LU0CVC,3.GU),>|:-?HPKL-N_K>EV_7=UFR'P887O MEE2@,!)Y#_O\$Y/Y(<0SSF"-
(0Y9P&B4X#S+3_?\$RN8F7=<|4.!&%2WQJ@6% MT;_3|(|/^:|J(\$:+^L?H5CM|:M|+^4,QXL
|V4CMMS0;#S|99FXLZW+XM MWO)5F|_C17|8JO:(78"^?CL,SWSBWR5'#
<6K_ ^:X7L8DX0*G'&:88H@8%;(" M|@AF*,1A%">,O2.K|:UYFC|QJ@=D'4:M5)R+=;7H*M-?Y2O-
2KS2FC6@/P| MX|&E_0839.9GS*QV2QMU%#AQ-P|MAZ|G\$3SC4:5D?5?634^!XG-*N !GI4T&
M(&#/T2M#"CBK|#+(@/O0C095#K1;-UVC^?V=YO#&0=|ZZF2(/H:X*Q+C01J&
M+\$XA#3(\$49:E\$ \$N;"AE-BY'+\$V*PLJTCF)GZJP0G91_3B4EF%2(33\$'AM9S M-LW;&SB.F7E-H1?
%'5A|/Z.Z&<=),/5=G.O;T-4|ZN MW(.Q(A0HR&"E7DC,9>>(PV@)P75_0(1U85R>>(36R|!G"B.^(+W;
|5LD#& M2'%F-LF7.NPLSAA-6)L:\$Q\$|&9*SI&8U\$R9"OS0"1N|XH|*HE@._8%(A2&#&>2&-0"\$A2)(T!
MC>,|H7F8V|7+|HGK%RP72<+@:QF+48A&AZ=L\$?>X:|XMC2 MSGB;/3.+ /<56B/U08'TS-
#1+C49%,'&-|CNZ_ M.TL+T_ ^9TQ5NFE*4;8YMLV_9(8HLC:-\$P_07"@TO1Y"\$,84)C45<<'DRY5:M
MAL|.|JN=|+=*==_HFV_4+SGTUVCEXGR8V=BYM&QG60V:HW0;
M/N|N_L8GIFJ:H:7)159^F&8EIDJS:4-B/;:X|B/#+=9@70(?>^Z"IC/O.'U M5|ZH+H:4UEN|:OZ.5?
QD|3_:4ECE(4J-B?_BR'B)(5%(4^U.>)%&(HBO(65 MG?3#UL06LR?GUF=DI,:-
>S1FUJ/UI49;4Z_/RAV6H/KW|@|=EP|AL&6F|7|: M<;H /: ^|O_007.)>9Y|FHQDZE6ZG?
A1Y*D^*)Y&M|.C|X|^>=:GYWUVT M#.J1U+U+AQ^LR(%H8L/E4|XRN
M>=KJ/0=_NQE^'|^,MAVPG66H%KZQD&<:@MJ.\$@LUA&.X%ZBV?YEF/E5KU^
MY/7FZWZNK|ZBLN5* @K|L*ZO'W4X|HK3L_I/?+,>%"(GBZ1YKNARUYJO_RY^O-
5>CLHY*/UR'=DZ?|JEE^0 MJHRO.+EJOZ#C;?'DR2E+0DH9EAX8RN59-0|P)#B@L_|38L\$)1P99?
3Z8&J M?|+=|&+XFT4P5VUJ>|2W7BE?MOGZMD9N5%S8&;PYM*LG?';<35LH*D8_||Y
M6YQIN*DFXH;7*J7=GZ7SH2Y/5F\4*|:-0!J*>VD-O8QI?P|H6(D:|V7|:FP=
M5WQ6Z?|QPO^:_DR:2BZ+6|J^2/64)Z2_.\$T:ZDW|Y/M=|IS.^6>^L0Z M1'
LW5_ER\$JG5J_|N^EW'1KP,KF<=W(G0_K|U|N2MYX.AV|*>C,2=ERP-E. MS6Z"#D_0CB-

XNE_1Q)9YB')!8U4P\$D<0T0A#G\$<%)*) 482C(\$O'W9=H,G/< M&(^_&C5X7B982VDA|N)|T*/OV-X)M-
4=P8MD=>|W@FZ,68_O.G|7TC/7>O MMC+|59X8|Q02=DDU,D%1_%(4?|&
|WY'">H0C4*M3D'P|^07E?UF_1_RD@1,? MUM7F?04\$U+<"/G!2|Q@Q=SBLIO6RFS;59-
G9'SYZS.WAE#GX:%8J M,_?0IE*=FW|FH4(_I>+^&>|+ZOA9O.|7(0<>EY.|T|3U=O_H2OU4'5N'^2!
M?4EXF*0I32"A:0!1@3C\$:\$8\$@*UA"2<2", (U|50*>X&/BG4"JN?|;A'M*G|:> MW=1:L G;|I#
(IM=W|M^5KHREJ@.)NOO/;":F8JJ3W%Q0|51GM!5;:ELY>&LW=2 MKQ^;S_CAL=M|@RA"
5,U(*207F@0%Q"ZE|Q%)%"NJS#RU,?"EI:Y M1_)<|,M>FK,P=C:@(^/@8CT7R-R'39+8Y@GE"58L\$0S
->0LSR0K""X""Q*T/PQ-CD MEN1%SL K%
(=YFT,S3^@U9L;6+J>E&E*Q'PKTE>A@R^VYBUZ*|S,@P((W^.| MV6MU0RL?
9|KF&FFQY>4Y#JXEUQ=DU5Y|_2=UM^I9*7/I1B,?"_,|S M!O:|+10<%. 'R=%2R/MWK|@')
|28&=TYE&UG9*?6LK4Y':LB3^;3F8U9S>58 M9;TTCZ/'JNON|*C<=KA#&+*)1GL(D MCR*
(BD*>LM,004%\$\$80H3&*6V|FM QH3FZ,=1:!(.MN@0|68FI91 MOZ27;R
M.IB)D|)X6_V'%&9>U'"=/%RK|Q|=EQ^URX#M#W|E;^1.C#&-LASFL0H|93F&-M.0HH9*)(.0|\$B4+4-
XBZ-2|P.D?3Z%-|WA|JUK&F2\$EMOE%*@=-M>?|+;7J MJ:-K|&*61|>M6
X@+|M5XW\$|1QGO//U6;4|U:0! M37!-\$F/Q6GG)/5=7:4QKSE9.?\$/*@3. NP??|(8<,*OX='3#?
7XJHM@^/ M&CGJ=|5;&J^H*KJ6Q#_Q3=M'NJ3=>PH-60\$FJR;GJFZM;7>^% DA>1HA6(1" M=6M-
_JC+/1H*>4|.2,R*B!@=C*=F=&+|T|/46M=NM!*,6(+%GM<669.
M|@5V&U7|YE1/BC1)CM*R"MF'+T4|'S^T,3|LW&K|HAFMT^W/U6_M/9;*<
MSR|YLWDK|_35N.GQQ@XA6HZ8+;AD%|AK|INOD(|KU/S+N.GO;_,KS M)KG=PCLG-/A#;0
T|YZZD%^4T*D7^>E19^M(?E&P85_RRP^/;)?S""|% N(+ MWVQ6.A&P>2(C#C?FU/&QJZ-7OU^&
M,;I"1-(42+M72&-7A&GJED0+V),PR|+C,#KIF5SSA@X|*X>2+L M>4"A|8R)ZWB;-I<(W6M,AH_XG*
<83B^"_NL/8EC0G.O,9D_8&#;:%)'ON=|MZ|HJ.N>-^"O&YGPk'|ODSCLUMW/'IW7USRU>E;+D;
("'^L91*&(<0;GKYA#Q ME\$(214B78A,>)2*C5OF@Q|E,O&'^_LN77T"UKN".M.
|+ #AYQ+3V=|A&?^U+9 M;O_1^O |M|:DC/\$*C?VF_|+Y,G!_T\$D5D|)?."OG2Y+SSM\$)F|N|O<5\$UU
MQ?|I?/E*WS;:,|M,S#'_JN-S=7:V/_G*CK|J=^7^L6TV^L@ACY;U5X6I M9>
|JG%6%09#.@Q8L8W3&"O"X.\$U\$=006G1HIOEC=|;:&A>HN/>NV8WZAJYQM M5_Q;_'6|9M_*U>I6
;LM8R(R410Q1\$AMTP29A#G600I3@A/LXB+S A8^*=
MB5=L3PO\H:E9)FZ>THW9!NE!8KO5;2RL|;YX011/&^,I*K/NC!=?;DU7GK<
M%_#9WSM@QJL6EU&#L%VM|,PIGWL9DBPH*(D@"87"&1(%)!E-("I2FH4"YX(9
MH5TZ_.E&G!@S|ZNGZXC"+"\$HRC-DPBRT,4"724YM<3H&V@P8)EG8M5TI
M.S9:H'CKME*75&EF@/PJR,|B/?-.ZV;3ZUN>@|T*7
M)T,%'.GK9/JF_379|Y6ZN;ZKRG|H._.)#5MR.|C16N5S'-%FDV-Z689IP2Q M0H0P28H
HBS+U4U_!C.2QGE\$<88*8GKS945Y8F/1DVO^P_R2PTYSER^?)M.'
MG6T8LJ&OW'M&NML%T+,"NB9|7!2<5;F7L|N_%F" 4|B3F,WKL-,*X1I6XQ
M>%6Q77_!F_6J|\$_|G+28H#;.:1SE?F#\$H9@03("I0MQD),DE|_CZ3|8\$9|>
MBQ@V67S98U\$Z%&Y=*2_JT|B)|*XE:U?BG():/L ?W7^|H@&Z*L%S4|F+9%^E
MF:2L,DXUD31^W|VN_+IN&M4YMZSN>\$6?=-MMD@466!\$\$!0XP*B* <09PB|D.4
M492D18I3JV/("3H36PU%%0S(FFR55FHRLPX>A+H+ATUCZOQI"2^%N(A@7G7X\$D! M#Y;?Z2?
MS^6?MNIR|!V9*F9"6NG|X_*/|63YPWG_FJA3RZ6JWXG4*DE\$,^ MXI*|W3;:,|4/S;JM8Z*
(&JK1|B3(2)1%)(F17*|X93#/DP)&.6.HQBB(Z.Z M-M^,3;P-MZRJJ-
;?:N2Q53(+>.,|KP(T'E3BW|F4|D'S:1X""|#DER,\$KZ5Z M.WO3;?U:@#V?8;,OM;DN"68WMYS
M4.V6QT;^U.PG|_N-6-O' M'_=B>FJ|H7FSX25O)*;,+>HTA9*&0;E)QK?;-IMZL|00+I_Y8X?++>|J_'#
MU?>R628T"8-<|G|\$T0RB."T@41DOL>!1GHZ|PBOUCRLA2KG/M%;AR_WZVUN;?BG|;D7.Z_F+
4A1A&"0Y4 M@54F/5?&8""(R\$7,%2*P<;F5!>&)EW'GWZA@Z6//3|N#@D9R JAB!50M+Q9U M-
S;JO>Q03J4PNX7?IOVW| ML7+RV+&O<'/_H1>
|M^>@";E27<.HFL;UXVH.'|3^W^K<\$|_LKWORLUE'TW MK3I%@PH_Z;'K/Q:LBU>-
:KM<#=-IG2O(MG33<8;K^;_#K|^-3D^@R(^=JCFR& MFZ^*R\$'(9W5!+N_!P!?
>%6N;SD;Y1BV^;S5|N:HMNU/*|V_)KNEE+GS*2 M>NIRZA&B! 5Y#M.
<.8A"\$L""|S&,PB*)2%K\$**2FNX\$K\$Q/O#A|7\$1)+KF MX'(ILKYX3RXVN4;=:N#/NG|^5|4T_
O|N/0'+9-J>5SZ)<|^=(O|U-S3*6ELZHY |JEKJU|U_7Z;K.OQ|O=J|U KP;3)#BSJ;|I-VS?>T M.;3LMK^
T|?_66L=L|L_-LOMENNMMDK+;M"TO/Y?-GVJK MSLJ-^M>2%%\$1Q@&!5'%CXX9+!*,
(8U3Q)G@@@96_25/'++O>CV&U| MY;^M|JUI|L2\$)3R,|AIH@Q31F >R=,PS5#&\$ H1"8WR|VP,
|&ADM|B8F>\$ M1FK7S"C-IS,|(|7R|35C8,|96TNX (H?U>@/#)E#CZQ*7J|SKNOU |VE9;W=-%*-ZL+:-
FEPH LS4^,JH9WA^'5=W<%;7C| M14^'_#5%G|F"AW)X2Q,<##US@N"A4(>I@4>>
<03|Z)K4X|EZE.U8UEBVK9IM@,|OS(TZ;93!>L03%F M9IZ,
|";N>G|0L%I84P^|VVKJZK#G=2;:|75,28A:SA\$!,D'0-X1"DF49 M#',D1"
(2GJ;):B<2RQ,O'MT0"ZUI|N634\$)-8L&->CU"OF<675FEVMOLB M-
@|XE7^5RHD/T.)W9>H_O>/MOWY6&"7_7^WC>^3Q22K6W!4Z M&;
|_109>&5C'5\$&7D76,|+|/8_DK+BM5_=[B#98#KA_O^5(D8<#1\$ 1 M9ZFT8ED."T0#&"4AQUD0\C
WNB|H0V/RNX%&4|+^C4(:^,KK)_ "37#3UG;\$S
M>TX|YZV0)Z'MS(PB""Y2)|&BB@84|TOL'F.A0?|W5(HG!1@E2!Q0;0S^0^G
MWIPMO>\$"Z|LA4N/NGI2=?D5JR8I?8WATP=6|86 M*I&|AQI8/:GT^YX|B_1.UUFX|&O-
H5O+>%VOU@%+1RA/-2|FUZMDB^P8PQ< MS;I6BZS9&=3KF#4|E9KM|F9'ZN=|_
BQ7#M%MF4\$5Q53 MV)3=|?R#9 (*\$E@F(6AW)\$"\$D>(DAX((HX1SB/'Z>6D,>H&:V5T;T?=VV3
M5,1(%S@YX+^=4)>9&SE">B=#_QB11%T)'UV6CPGDK>6BD>)S-P|9R@ATT2
MSS|MV/10.F;|1#%&8%%'&8(1*3.\$C3 M)+3*
<|H\$<&+W3).W;'5^245F"|6GX'9+MKV5;\$F#9|A/>^H>.Z\$;RNFK)_HE M?

GQXQ'1S+6S\N_59@H=Q\S>X*9N;=5EMFF42I@E! M+(411@BB1-H*@C(!-
/41Z\Z;@MM5\X;WZ5)N[CAC\T M2QQ+AR;\$.R33#H319Y G"0\$!@41*,X3G.K+O(N3\$QL='8L@3U//
/C#2B? M=J 7NE?#XHQH#FS\SA--FIFJO=H9K4E4ZE),ZZP3?R6T\BS,73CKK*0C
MY;+N8\D9M4_K2O7>T:>QCQ5=/_#NWJ>#ZDHQ3GC"&"Q2E=Y7Y!@6>1K)\$!Q ME&8Q38F5_-I
+V)3-.0.60+@IXZ!GRT1T\$PU:&9_/K%SM2,5(FU43\$4U)/I MN\$1M5E-
A*/I+JV#ZFFNS/97+QULOZL.V8DWWW68\#T.%=BDBE5 7R46/\$I4G M/\$Z\$R(LL2
_KN(I3A"9>\AW9KIK2MG">="T4\$Q-;\$5W@*:U6BS;IFVMPKBZ9%9'#I)= M-
:W)JKS#9R'(YI@K,VOS>C/@XZK8J1YP-Y6*Z4GK33TH<[I:U#',O7:=J@?% M&M2P^J#B"??#[U0,
HKW>J_HIORJO9%WZP=<5LL"120K,(\$<15SZICB!.<4I M+':Q!\$.4BSL8&(N\$)PZ:7!W-
L3!G^TI"U/HQ=59V8.:2K\$SMBYZ<(>V\10 M0%^8))?(S8LE8BC\0:
(Z7MNR_XS_UK+6^661HG:1@S2'@80\34U1S-NB5HMMW1WXA>DX#3,.60B5J7\10;E_PC,
M*!.8%B0/\$'6H8\#2PNC*A4^CU1"%*,E8+#^+)1J"- (OYJ&.OJ0_Q_+=L+#* MPW#Z"EY#
<#;3\2*.G2GN?*BSNB\Y\I1=V_:D5?"O/26A\I?6QN\7&-JIT5_MZ#\$
KJL\KLO5Q:X\!"\$LSH/#LOGQ.OU@\$*STK=I*FD@*9E!FSVW/0'7.>46;JS=IY"\$ S,NZ@
M> (4"WYJ>?IY 88@ (M?5\$%7I2H\$=5.Y\$*,?Z >92M=,YU>;4C\9S;TM2/R
MER=1N'&NLE_JKY27/(D*3^<@3T/_.1B\2T>Z%D, Q:V/L:Z:/L!/: 8IBS%* MXA@1&,DS
\$2)@MD110\$#\$E\$D@A13LRYTGOB9>E?>2!IT%.M@HC=6X819Y/ MDW:
I\Z5%HV0'Z\#09CH4X2OP.Y*;>2.1?E1W\$-KU-*S\I>57A8"L.F'=?WW
M^Y+>ZUIT=,70%#SLVW6E(1\$;:7UUWC*5+.,+J23_ZZQI7+Y\HBZ5-?O\HPRO&
MV3*E5!#!\$(P19Q\!E>0%)' O5)BU 04)RE!OW:IZ>W:EOZ;9=H&U "N-0ZJ+ M0%6VX#=#6GGW(@53?
*2LIUY&F*U;D(\SXXOEYLE3<^SYIN;.(6L&)F8\I+VGT.&1
M:T;J#D""\DZS\4HZ/GU)5):MRJ_>>/F9\!D=\$@A823&*(X4G 2:0130:~
M*!" +F\$LU)#FU">HC@ME,'9=MWG+B"K\DONF0@IN^:XJ_165A=#KO*W-Z_J-
MR\$EIUN2:P(U6OZO\AK>@59U/,BS ME6YO;G+"XUOWENSH\J3WUR>\$'G9,T_%IUEGWR;JO MM-
W;NO!M^MI*]+4SSGX\A.1YD/ILO/M&;B?Y:MYIGQ^Q-7C-6J(%C^ M\H^77^KEBC*
(T'S",992N6A3MKD/*,4ADE!;12'B0B,S/\$9&A;WY8JZ,@N M@"(LU0(4:3-+
<\$X_YZVC)ZGMK*&3P;.+US"D(P&CAM-?IM9?_UV^W<:*Y#_V M(:)S8\ZR/ V\$ZI>CR;..J7;[1?Y>"*
I0.KZ4TAD0I3P";ZOUJ3AM2Y\$^U@I M;J5C=J_"APK?54"ES7XJ@"RP8-T>N7&MW.B^EXRY;
T79WKWI6U DJOUG+@7\I M EAW@I:G6BM +\OJ#. ^3;18A?TI=/?I6E\5OP;<@B&[H.57&KO\1
^I!%DX M@?;YBQ/IU>^HV_VYLV/G\$BY!_F44I%Q;)@K-Q;I:&I@V09'#8""\$M;3J\$H
ML@PBC#\$D(DI@Q'&*0\R3JS:?)RA-;&;BF#*ZJSU>T\Z9Y1DIDY\2Z;<18 M\$5VT,=I\6A0D P%I->
I0VG>?KR713YHSVOPBJ-/AU>\N97O*B1G\47L@ 5: MT&9^_^*ICV*WT:7_(IT+\$50PP*2 J<
XQ3F,8!E&<131, M\$V35-L78Y;""!4:KP?(&JL!(X!K3KJ(A:4#YFMF#!VO5\WI<_E.(3JL1;O MO?5Y_
G+9N+W=W6?DJ&O(*667!U?DKLG2S/^O/E7/EB:UZGRK,R#YPIW^// M8WQW^1;K-IUO.?LD-
X+;;WSUE?^VKC;WS5*5M<4B8%""\$(8&(T1P609""O"AX M1\$)!SP%DQ;9;D*DFF-K=%,3&-X?>07Q0C?
7C3"?1*9"L'WQIBS!AO MCFMP77DL)IY2?Z\DA(U8_*\$-LHV2QQIG*UKN\I)K\>5^76_4\5J>2*_JY;
MT8UJ5;2NUN+7=777_E%(L&I6=Q*)\$ND=(V648TXAE^?A(LW"- "L.FUY M8&C&R&:UWLA#Y"-
^T@ \$N73.CV&Y\#NROYQ:@K.AJRY0149=17;.)-@*HY-9 M=JT*F\3(D)TU R:WS+/-2_NX4K-
7YL2IKLFZ;O\3M\W>WTK-N'^^1_WU*.F MP/X2>ZZI<&QP-^>4.%UR^I"?
P0WX*#*S7X_14JONW.OX\KO;VTX66Z;+5\< M+?ZN4#GD1BHU4JY*_4G0_L2;OCJFI;.^#-
(H2U&I8)@73&YL20)Q+N10_UEFZVM=K%NH;T"!#P1IRE M9.KFJPNPJ7'5B'7L/BM7O*8_G-;J7^I:Z-
WRZ?I101W.R.F\O+6\IT4^66 M8-"SU8-
42NH:P@@I9VTO^+OT47\H^/L9O)U7T>8;VVP*=TT_+E7VU;-1-I- ME_MUTGV\X*=^P?
S='HF3UNW/BS:6Y> MU##+6\TABOZJ\$8UE<92
M9VAP&7\7RK_ZZ_UNFGZ\IO/2T*2R2#.#"89P(!\$LHAIB&!*<)IE89"&W*ZN MVXCLO'9LST2;"K4
7L:D'RJHO%F#WW CAU0 \$"W*V\XB>.%K'OL\$KH5H;/M< M&ZK<+(307Y&V9G%J3I?-
JHQ!MTIO'1F2\$Y;11Q"+5H;..^5%I(ZCRJ_>5 MW(ER;8FTW\$ _OI MM.^LE.2A'DAH=T""X15>*?
#4OBIV7V&U#.(<9SQ+H1 D@ "A%*,IQ)MU"FB9" M6IFH\$*&-)1G\R\3F91\VI*&@PI<ICNHVL
M6E9"C)D;_ILT\I M#-.0*1U I=D:1DW!CC6M_I>UK?Z.F0<5>.)P8SB9U>QY M4-E+6^AC2#
<#>;WBOI+N\I1MV9.^EIFE%N<@)3EF<0(91#Z52%D/W_U7U; M<IPXD07L_@K\$SO9,=T2AEQ?
PMA.Q\$;)ES_9\$VW+8\F\BHQJ<*/\$GG)12DD M:W_I\X\!D%:6J8@\$@2'D?9MJV2&;FH9!;(#-
/IG\$99S"TV=A>C% CER!*E+K\$1\UOGC'+I9L RKE
M=&;5&L.W5"S\JM>.DGR(@RR%D<I\CB%A.8);E*>1Y%"8XC'AFMKDY+6;FA:FF
M93Z1;KI9(<'NH*JYVXU5CSAL@3\$I '(V:N\G,=;I\$W;
M7;QVU/T.RW:KQWZ%WHYD'?;5&'R\=@EV5R8.GD&-SA'?25X1\$J
I>GBVH&1APQNK;+ASW=X>I/+.7M;5CDO MQ&?BEVU+I+Z\FJ9\QCC+(DBB"*.<1)\$%(Y5^3)\$M)%.'
+-^QH\;S)TWV\$O^= MRFC&\D61RHI?I\U3X;=5PN^5;VP^WM\4Y-3#D,SGC\!DT=P,C4AC5GUHVX'
M\H\!V\H\X(BT!GT@KLC5*T)LHLAPU>R\I+5WU?"VJ^;#08J_DJ\$OL!52P^V:I
MVM7%5K8,'VJ\K\X5LE\$WR8F/ I&?2C.QL_(2.20X@4&QZ\I M@E2,W=4I*HB\I@JG/E_ ^E MRZ!SQ#
M69AQF">^B"QD65E&@@@QF-/;U_- (1""8GC@,P:@4&;L\$04;VB.I4B07LBC%<
1.1H\>QNO<I4=0P87A0J'.Y78#V MH2KO>=4\2E9+.8-/;N;N54<&;ZY(K29"K/TCE*?1-I C+
(8H\$V%9ZO,0^D\$8 MYR0*T@ 9587H")W9%\H1F/>=&BM%Y\I M2!/>E?PB\T<-0+0%RC8^8P/^Q!
M^;_9_:12HT_-W7PF%D96*THU!*2^2BL9,)";^#);-[S7P%IVQ]_5U/ 0CD3-
I#RNBX>"I:WX,I95=WS;3V,!W#!)'5!=I#;A10;LFDO_%HH M*L5\PVEWNONYE+F)\I?)DH\=?G
W&%Y/?2\$97\A=QFH\!ZOVIZ\?:A64=010>J\$WN^I+Y@.OF M>L>I)8I%!.!%<0+CD
<08=FX&E\$:.8IXQ%&&8T9,K)Q<3-ITYZ5R8>A\^<_M^;'W5X8?
#8_-I+N"E%WBYO\;8^WE\LVF0C20LH\$0\I M\I F-G*JZ(&S1^\$K/

M1.>1E>9=E@N/K'AQNWTM2SFJQ^|7U?.3./=0,4R)A#Y*859%D4P(1@G"*.%5BF2O?
CS6|6R2A|/46M5M8+)D@6A744A|H MT;+B/^<, *8VVZ,\8'7;D+DSX8PG',^V#Z
#M7|AK7=U=;)O|C-YD/>","? MJNHN>!IPA&@(XR 00@-
YXJM.B=A^X8CG.*;BGT.3K_IY47,'|\$)BRZZ#9J"<^\$|!\$|V.QN!F#,,9AGGL!B|W?
\$>N(WKN0+Y5D)M# M8+,KU|+/9(?N&A6;W7H'R(#Q:=6-9!GC"OPMJBIV-"K |)W6))P-H^S)\$|
M(7&ZL=<2_*;?!- 3F_XC9Y@V>Q|>/B>B.IZ/YU|OS;2(!HYB50>)@0(AP@ MF&9Y!!E-
44A(@CE!1LV_6F)G|BL#)0R|?_5 TW,H|J\$PV'\$:U2"ZEK|)9R?2#V-X43=L;
MUG;\$|VD0>7(^2L*|#" +.4TA0%D/J)5GJ|1+O<2ZDM9(E46"%+D;'TZIVVO4 MYNR43JHITHYV8,*+T'-
&R\!KE9MPANRTDELK4.:HO#53Y.4*=<*T &ZW#M7NB MF>MCO%A?=Q6.;2 MX^BWXE_J-
:%1@/(40YYYDIPM3|5&*^0P#>,H2ICO!T2+ MLW=\$QMS5(YW4)WL\$)5C/'XVA,^YH'-EL>Q|J:JZVD|
P:*0(0MS=+GSQA|-Z M'WOF(@M9PZA^A>I<.CDETM?9?^O_K2,@^|CEA'1%379%.;7#F_KC<.;\$?J)-
M\$O@4<;%?04D*498B2-*000_E(+0Q_!).T(HBSG?N"M'WA%RN_|!0Q5U'X%5^R/7=WT@S.%?CL1 ML|
^IR^9U2>Z|5>CG\$>;\$')R3*6BU7ZL_|W2:KD"OJ\$|H55_SP8|G1|M8M"4C)HC\$-VGW*8JIE(Y.4>
CB3M7\$DP|PO|&RZV,J2|V4IB%N&%6C;.U|C! M0DY+T>.);""'.8L8I#%\$'D^@ZD79Y!\$* P8PR2-
38>V:8A=IAC@NJC;@0?& MP|)TD,L99PDA(?23S(>(8RS""8"*Z%X@EY&.9W&NVUGG"C+|+ Z/4H6?
%\$E9 M.|ZN5T.Y.C|OQ"V*XY^1&; Q^S9TL/S:P?+Q*2RO9X-%ORW/,3QV|7D.8#+J MHS.P>J2?
3N3H"IK&O ME?6(>RX9^K5!IW \$3TK&Q#_R9XP:68*Q%R\$? M1DGH081R\$?KY.8\$1P@\$G&
<.97J|+%1.C," K3|OY^HTKB|_|PAMUVO_ICG/Y MF|Z?
M*O-O=;&|G(L.P="9@N^HOH1*CRO"95;3|KLKHV3?G S|UYV\$?.)5%3T+&+W6|D|PM|_"C0#CH
MVCH&M(X9SZ,499#E&8<\$AZ+"(@@GC(OHE&@Q2E@)G9FI_EO"4I_H03+|E\$A
M&DC9*_F7NOBVGPR+<,P^_J+VS09:(I%Q(EO.;BO"JHHCK+LYRS|H1U@?GQ9_M/Z&G)|4Z|SMQ?
>@9NBR|MZ|IW)V_2POW#ELEP\$+T*HAOG_|VO! MCV.
EJ&+=X|:!">OA9Y#AV|D^R67K_>P99V^D8%_|M_L;G/'_XEOB|)Z7S:| M%L|+V|=?:(82Q9I?
2X_X.IZQV|H4PI!\$O6>6AY_6?|>'Y6:>03\$G=XZK|&#SQ_2'ZH?U^M,XX M".4UT<^9)|P|VW'0F0#|E?
PI6AT^"?TWH.9?"HBWVQW>"AO*8J%@ WPU3=E M?|N4Q|&0|C-.C'I;5|V_TN^0|/0:L14"JI=|J|=E5
WJJP.<2",U6JF_|MAU=J9_&|L\$97_W.Q|,IV'XH:|+OYH\$Q%9^3S8OWHQ3XV4XT??GHEFAMR_++;
MZ)RHR%TC/T,TD(DF%|.(X@R7|(H3X_0H2GB?8;\$;P.4DS?U+Z_/K)BG'# MF>%
|_|\$N+AI^<9GGY+KLUW0XX MDBG6MT+=BC?KMC>WMSS2@6(|2N>E|5A\$|*O.YZ/=1IG+
D1@2\$+,|1>3&\$; M|1'T=|+F8|80K4*OJ>K,K,O>%^*_|Z3Q)KFMD|5S%,GB9N9%N8-J/4JN?
MVG/,@V+@H|D@2K7!@#7>#M<9Y28R|C33(7+DA28H|JB'F@|8<^_EX(G6'"G
MJ.FOOH5T|UNZ|H557F^N'8=DA#&'&&>01@1!E* 08B9IY3WNQTE*/42;!OK: MJ3&S1Q_ GYDQ8X-
FGJ>;Z,S+S8Z""+E;J75CRD0^567?^,N,^F>XK+N%-Q8JV9OS_VU*J|J0Q MD|KHGCYQ|1ZZDP:=ZJ
|?:%Y,NQ4VT+;&OL:5|6C"\$,4|1L79_)GEZTL|;
MZUMIUV+)>03%&>1BYR/GS2"8I@&%+,8^SR,OS%%DV\$|P62FMW^O)W09R_R2G
MAR@E5+**|0>^*165O?|HJ8X0J%+=H%Y|^DNYG+Q:|F.W|5E=|_X3|=L6+:GB_M"NR5/#3|+PFZ?
DYK4?#MDEN+O_2C5)LP-7C)RQ)'_H10HJ1TD=QG!\$"4^|E\$4HAFG
/EM+)Y:;>70CH|UI5RX9Y(I5Y:R<94E3+IE|Q(ER_M09WE)./26Z'Y302>S2Q4PM#
(G9J7@K3S(MAY&4U:|_ZKO_/M;6;+Z/6|N|KZC?1UACQ_Y_3@Q8<9_M<9K!%
(GM(.TREA'/2V/\$:RYALSY%|T2#&ZE9-|UV7\$=-|_3G\$PS5QUPE=@
MCX:2WX|6\$|_S7@>7Z2EM@YWEH2Y+7#CAI_W!<69)_U:|PND&YD(____^!)0=|
M|_B95U_6@8=8Q(D;T8#B|(HAEF&.,2PN3RZB<9;5N>:&6U6=3MBT5A%|G;
MEJN6'5'Z227LV'5V(40|P_#0TO&/HKDK=|U'CEFO>;SF2'%:1_8;2V<
M:C>SO^JF0=:5J60K;.:@:M4%.* OR&79Z8/4>
6*OS|F7K9|_9^_7TVG*1BJ_J@ (7H&#NHI1905:C<'5^!LRCJYF0=)1'.96 MMT4CMEE@?
1L:S2/\$RQ%C.,H0PBB-(UABL_4 M>F&<9DF4YDDHHD.YN%:/5>L*
O+>"_':2|T=M90O&DEZWQX+W7?"#0<\$Z_*I MYRGG@,2,";8:K,|>A|'9(PZG!!A:|FI.@*|892<%&OQ-"O
|!+9,|=KO@K_M|6PV%|H|&#VZO%P22=6C<%N7>&|0*=6|>?"|_#VYE|53|XOQ4:X;CA|OU/=
MA@G'7N*C&.8DQ_OPE_YR'TY+B2(\$R|D&7K>U52(+2JM%,(2VEO|ER?6Z% M|JHV36UC/SEFL6-
6*&WQ59.(I?G/_U#P8^2&D):5|DF+):|5V'F7BI*)(\$
MSLB3;YI#G*8)Y#D/8A:O*\$G2|DV_V;+|^|^YM|V+7-9I)_Z?UJCB_QS=F M>&8C|8-*03
T8CC#\$Q"QW1AI\$?:_SB_YP;LS2?Q1_M&>4P_|OT>W"5Z5U_|V4SQTN_CJ_|L(*E\$4FG+*U\$%*
(*S|7F+7C5G|MMOR7_MAG^YE+,9OWG.-(V2"3JA3X;|@M^E_D|IX*#B0L_\$D0)<|8|N_5%V6'87'KO(
M&M\$SK?^%UKS:M@CJ0&?8L1DJ,L_#UW)|H_9+PC|.,8YAA((<(ASF,(NS#&(_ M2.+ |H(T-&HY-
!\$^|UGG4R;|H@8F.XOS:"4C.VF_D@P_#@/7E0!'PNPZO
MHT7|E3D\$SFJP#007)9E#LIQI9%;|P3N;|M5?Z_LX_|H=P|R-\$#JL;S+:9J_MB|H|Q|.0)|:(TYC_3VV>
(*\$<0HS"\$&9(%'DF4LMS73>WJB9S9H>R5_%6015><M#_).#_VDJ":(EW//
H\$QO0H6S%":|AGD=W#9)=7UO@E.M|6_M;Y1E-K-X).^L^:##,M%FA@USTX9WVL5?
H#P+07>2|H|K7SN|E:%=7L:P"#\$V_M>)3!&,54MD,+:!YE&'&(92@DXI>
&;5#CXN;N_Z%WZHC@X'P=K=@%F==@\$PO_MLG('A&\$LMZV;G|U>NR\$M=)#EJQZ:R|>R|Z2.,@2P|_
M1V'5!6&+!E)ZAC|G33OLMR1|_|NK|JJ*K_*|XO-1DK\$FQNR*6|5)^1S^9\$W_MNVI|N'H=QC%!6#@^"Z;
HBCA/40@|&/_#_XR2.C"9FV"HRLO<1*T?Y\$|F
M00MU#F.1"K7&6%|M@!RIFZ'MGS6O4(K|&E'_N!4D:V^:P=9O>=|^Q09P4. MFJ_07=Y5ZL|V#_Z?=F
FSP?&QMHOON;B*2KG:"M&LON"B>=";1#G/H|ZQ&K
MQ9:S5WPK_M|\$+_'DIQ?'<)^*.NFXDU1M0>X@RN>404?CE%|S/*,QD'6;)|D_MA9|<4J8>Y#DFJ?
@ABCS3(:O.E)O947:J@DX3H%1I>8Y59N:IOL|N>SZIO^|P_M=|WJ>> 7^HMF3GE%WA!_M-
!G2/I;CZH.I66GA#J'-03,T+=RYA_7-KUA|6= MWMU6#?DL|CR.H-C((NF<4TAPEL
T(AEG:4)H8I1/."=H9D?;KM9.;L=28,%= M>@HA/7?

GPFXSUW7*Y!GVI9<,DK,102D(1:>)"8=NW[>>EQ)N_590 "^
M1F\$:AY0@B\$F>R;:L\$*8^2F#BYQF+61;X-#19QL8:S+R^Q>|+,D^H0%#084^
M*S)F'L"L^+;CYU,Z+5^(>P3'PA6Y!_G?96GN\$3RV;K'#)S01^YW&6R#|AJ
M'C|7(B|!5.XT/W3G/HK*='C-FF.4)\$\$6PY@B"A%+,TCDL\$D?YP0SSX^H9W1, M;JK S YH+
|>E|*U;R7)&CFX2T1H9;|T)UYF;JF3 I08,-!E!9ZA^_1*=S|) M%@I'+LE8_*(>R1:CTCK.=I+*1Q5?|
(Z>|>)#;I/I3N6%J&'9| MU_ZKI+)Z,HHT9(A'" MG1_F|C?'" Z4HP1#EQ,|P1VE M)|J)NHQ=UJOTTP6
M=Q_2U/5=6350-HJID8I;JJK !^6"!BWA\$U!N/I:.\$%C#|_H!IDHM,- +2,74 M.9%4#?
2Z31JO.P5C@^|9;"V*[80\G8;\$:2R?0&41+|1Z%<#|&N)O@AMQ?9+ M_*^HN@^Q>B%4OI"?
R'J_/_ALMU6%M^6RC@_.\$+I*ST*7CNJ|7#P%L:(R8| M?3E^@ND0/*\$QI<9P)6Y!0QS5
3VEXG#|I2JI(BA(I NKX&,L@0U,. M*QH;/5_ AP&(SI|+|
9,#K+\$+ME|1XURQMA|6LK"+|+VCIAXS|XY?;CD| M_@\$7&T7Y5E:2V_10|WO-2?,-|W?
NA%MLEBX;JY(K>*3M9_1!\$5> @GR(Q\$ L MA&(14QG\$4RH@)SR,VXT87Z*-G/'#KU,((4:CIV?
A+*>_U@_/_|-(@C0#1DL1 M1/1ZPKRLH-1T!9YB*|G":XHW;75)I_DC^+U7UN'FPPEHCIS2-
%T6=5U.8'ON MX-P|U/S_/_|>256P^JY?_7_NGUXAD*4T|R'64CD)BCWA5^+9'#"PI!0'/J!_MEE|_|?
B9'54G\$%PU0(C4/V<|@&6724G|!0_T1XFJ5V)|NF M%AN=SIXW;.24|<1-
BYV6GE=X>.HY|NA'15|6OD_O('AV M)W.#Y>U6.B41\$ _D)|6(&T|1#"\$&/09(A>8I"
(H'7A0F6IP7=N)G|BV_;<4G M>=LR%TC!_BO>23;+B_O!U0N!YH/*S%'M3TLE?3?H-7E21-MI
SY>QL|XJ+&# MP5\$48RA|T;#%#ICG<8KE4|P#DRM*^49N|SA3G:'NFKVXJK,I+N*Q:FC"0D
M|2%.94E:YLED"O;D9BS|S!\$M(Z3#&2.O|9;+!2U\$)!CWB>U7T/_|Z;%Z.
M>F;|R,S'Z,%C\$23IXZ0?_V"EUU043+@T!_/_|>K3QP/_/_J3H_(M8XA&@C3|9RT6NQF;-
PSIS&^V'\$=95KRX MW;|Y)IZ|O>7/DK-IE,8T93|, @Y1#E%"Q/8R"\$I^BKC'/9J;S8|=E3;WN74K
M&_/_.*"==_,D|CAB>E&,_QS_'&@/02|WSARWEHFNIE".REIV#*6.V4=S*+5N MFE2(D5|
N|XMBX>>'N;+H>;='+;UDLZ;\$"XVC+UMXWZTHC0;H/KNL@+VG(/_MLS|V+5V-|\$_^XNGG|RT>,-
S+T^V^W*Y|N2(|_)|=P=3EKW@N!'W&W|8Y\$1M%
M.=0D|80K05E*9<=T#@,2X(0E/LFB>+WEM|+M?38NA/DN;_1:O5F|>H|LU5|) MFLVV F|03N*O
(#TU>*_! ML_YY9=1W|4|=EF1|'Z;|1"W8|V'Y>|';|Z6CV1>?|6)|W6T0E59%JY3D9USG_M
4IRPC(89W\$.4>X%\$">\$048PCB+_*8JU)LZ_"9DY@_._%@H/5U89Y9'.#M1VNCD4C(PG\$|:W/\$W|XN+K1A
<MZT+\$BG|S3<|MX%VAV;ER|WWE_ _X)&+D%&8^\$PLU#1 D/HY@SJ(@X)2Q"!L-MA;=79>Z|RL^??
@9Y|QUH#=>_X?A1MP>9,U=^B+0&6|A_|Z\$%!H!3JUP(^= M8C^=:7"9I9ID.D:NS@#L%5GV@&
R8\$>G|!?:\$GPNV|6_6U|2(H*#3K1|<=R MLO'!DYQ%|*\$S3.D4^B7#*8(B|6(0C6%+|\$_@K|\$'M!
|K\$PXD;M;/_JS.SEGG(* M="S+|<9+_MM)??PNX*TA/V=?JF7,#VKT/'RX#LID_'.(H\$Y|QEXO(!4#
MG68F|+F+^3(7)%|&NOR+)4OY;|_R+|G?Y\$RZ"O+XP_=,U_ \$MM&M1W<-G*| M5Z^ST/=QG!#HL3B
"&489H|G011SA%&"9(>Z471W6>;<#J|<&_:!Z_"D&:"Y MM=XP\$MOW01RDK|J3,GGF=G3.UI3@O_B&
|4N_<9@^C"X"K8T)"X;5>E#75E06U,P6OWW\$&5K8C3P^VE65G(JW9>|+Z;O:O|!""=\$2
MVJX1PSXB80I#WQ/N(T(3!GS8\$9P1C\$+|B
T(JATIMG|JPW^455^9>%U^P<5V|=\$@)23B,,PSX2QY'@MG&20P""A&N0"4
M(2TNS5\$|,SN^7ACX016GZ=0&@1GW4|_|
2,Y^I9JNQ4M2|9G,,XCWU"M08Y71(T|R)L1>|)XO?"02M=/_LT"M;E#)0K",P6IJWU
M1J|DH'=.LTE&C#UXL):5CWC MI76|+25U@R45PINN3*BK6Z1Y&/_03",HP0B_M"%
H)|7"B/|@19SCB|F#B@5>DU*>>|B7(Y/=T*\$|H|UW5(V""9'VA|V+A!|B"| MX'ZZT6:|LY<'>H\$S5'*.V^2,
|OFDD(5)G<<_/_9N'KW:@@63;XNR>E|V7\$72 MY?;V,Z^H\$;@|E*#D_Z\$ D!H
J0*0.A@P)5X";7S=NH;_",DOCH)%)M%. SH('W"8DGR;|E+ M8D;8J&GF& WCI4P|VFC;X'X+
(L*;NFC|JV578=>L_OYP MC+P(AEZ<0>2A\$*8B/((%1F/_|CU'F1|J|?98Z++609YUD
_6L0BVT0470"W\$ ME|WB L_9CA#TS2K_..MBO(>UUVL%WB^)|JKYW70!|=Z<|'I&GDB/B/>VO;)|
MBSCQB:8/?041TUH.9).N^W3|F?"S|L:|9F?LH|R!_4013\$B23\$S6#N>RF- MM03.0 R<^)|_|@Q-
+6YIB; M|K+K0T?L|AT9|F'"<|)8PN=^2J;^EO5(?L)MGZB7)%CU_F AQPE"D+((BR"1 M(8BOGT,?97F
L2BIEUOT\$H|)U%H6DW0|AAK(LK9B*Y#%&|_*2HZYIZ7V8 *_,_!^:_)|B:YX|I9\$+4MKIV'T\$6N=SCT6
MNT5;)|IXSB%B20L)"*M8|C2A!8K^8 M;=<|@&Q\$VKC= M;=:|'Z4<)|T.
M!5,@#+9DS@"QW'F=|!;1GDK+P+&MT_@#EMLA:1GR9".D=X7&U;^Y* M2=PJ,^U7WXIZS7B
Y9PZ/O(%T%*(IGOX@AB\$@2+Z#W&@AY3UMF^PO2?G|VHPN5^F+,_ MH|95Z"\$ |P #+
|RXO9.E@'A|U|A6P|N|X*J1L\$ L M^SG+?E %|2J^\$C.P-V+SV5/^L>|DZ||#MY?6;
3ZG|VB|O^V9YF8;G.E(%V.HP MF), 6BT_|H6&R5;,*0,FSSD0L|LBZB+GB)_3U/Q?D|M9RW'SVEJWA-
^3N; MG365RL&6>/_Y_%O%A4^I/M_A;_>9=X|?Z ZZ;ZQWOJ|7B-\$'(\$RX_Q|+XFB4P
MS0B#.4\$A3S'B<;_%^#-9DYF_"E(68#L_ GS;_!5DWI_Y,?>7YG08G);JB;2 M>O'H(OB9.>).)?
&94K_.*Z#TD9VJ904ZI4 CM!*P JD74&+S>8@#)V*SWR| MK9IZO'3'JOE<&GVPA@|TCV>O|Y-
D7Y<;6;-XQC#..8^1#GSY7P=|!P0"R/XSRBV06P3C2:V5&J(7BY^*G:HHMM
M>UGI.P,WD%|VGXL#;17;/_;G.6BX E+^'KJ36JK)|@W5/ZML7K@VF\$B|I:O1=
M|N)OPLZM+_=&C#X|3M\$;^4RXD;/8T|0I+;/_C=L'6V>L14A?|VO>_O>7|>F MI/^|*S?
B&3+JEV.=#C19ZRA'G|+;H4>()SY &8,X#|&_PU!\$X|ZEU*#_15^@MHE3+V7'L M98)>J":%|7EKQUV
\$T/_%OFQC,H9\$;36TT5F#LWT,Z| P^2I\$IF7S?J>W6/'|^H<7@_#@AC<:U2
MMK*PO#J<@/YDR,%K^@+T/OESPFKF#I0F4%ZF|N:M,N"PM6G56;7_6QT"%+L
M6F+ABEC75/RR=+J6X|R1Z-H^9RJ3N|S!4F|EXKS)SS";|V|BC,,TB7_B'%<2 M"!<68XC3*
(\$YIRGC/HURK\$7SYD"7F;W9D.OZOBH?BEJVO8C|(?BQK|>30Q\$_
MM=,4@/B9W2RP*6|)#TY|M@|&A:QO>U!+_F|ULV;)"=,+6.#GG\$S?7Y(4(Q:TA M. ||H;O|C
|_X6LV#K'_9?JC*/X03WA<9'JH)ZST)YTTN2P_W5)QO=UO&64>|R3*
(1>\$,80)=R'6<@X#"&2.HBEA.^;FM1A&)5H^?X3XDR|00/
M!6J|B%=XH_ ;KN%%.FO#;8BOCW=YKFU35C.(6)WDO%V6+&A8-TC9;>5VFJ_69?DR?20"?.)4?F>6.

<,62> M\$+\$P/^9Y(X_9,4>NG=)FN^ ^9_ [5L!ZMTL;40YGPiR',! ?K%/\$8\$E!L41KA M7\$")(T2P>: ?
M&6ESAZ-[7H##YK-78 7Z%6Q&"^ ^HG8&T@TVAAMT-[!8-N-> M,-=I/^XY62_0DGO![-=N9=N,L+
OBX_18V*L+JY\$K+95S/+FF=>P/"K MVT?02P:=: 4OKI/E/&WWY2SA9),--
VM6UAIE"D=2, ^>FVOF38#"?6^ _I M_2K^)_ _TO ^+ ^#^": Z? _+ _5!+ P04 " _":0I-9)Z^ZZ*NA 0#C;A,
M% &AP92TR,#(T,3 S,5)P&ULY+UI>UM)CB[XO7]!%3LW7067L2S_ =M?
1106>VYF6F/I>JZ,U_XQ(*0V461;D)RVOWK!W&H791,D4&=4-U;:(F2S\ 'R M!@) ((! _^1_?3F<_?
<7E;KJ8_ ^N?^)_9GW!">5KDZ?SD7_ _TUT^ _@/O3_ BW M? JG?_D_
/H7RP^ _O1ZD_R284!> _=O'3Y3!+C24&XR\$(:T\$EE!%Y MY<%HQ5UPR7@1_Z^3?^9:
(U<1(3H30\$4NP#L1P,J_101A="S#0V?3^=_ N?X1 MPPI_(O;FJ^';?_W3Y_7ZRS_ _/,??_SQYV!Q.?
OS8GGR!V!,_GSQVW!Z_ 50 M=W!_#SG!_O?>_SS!|/75!_MOTB/Y3_ KH^ _9@^XVF Z7RU#0-47!":_O-J
M^/#710KK0>H_LNG>W^C?@<7OP;U(R#;2/[G;ZOHW_[IY]^VHACN9CA!RP_
MU;_ _^N'MC5=_^_H)_3HO3G^O/?GZU("R!#R>5TN%?KK!_P7_!TVIZ^F5V^=GG M)19ZQ)?
Z0J\$XV!SN_[SZMS]?O?G+\$E<\$EX'37^F#!T?4ESV:"ORVQGG,7 M+Y@MTHU?
FE6Q+I87_W(6(LZ&3R<9IY,+ ^+Z=5X@.5'T*<8:3D-0-Y)D5Y#@_M)1T\$S_5B9D7E)*_
(!A;_1/R*J!4LL+TYV/%UY_I'3!7H=00!ND,DGCHS1MA M/9Z;LO6!OODU7DR""E=XH*-9Y4%XA.&DT
M,*U4LKH8ELP#+)6PB@/0SM^TX0MGZ!7%)U<,_I'8FUQ>!6+9?HLBYSK!KQ>G83I?D%2%_!I
! =C!Y?O MA!W1.7:>100C8NN>?9S!27Q+AGHU(8D9XY.\$(CWMY1Q)?KJ0Z!+2RLE2^9E;
M>V^7;Q!0!U!FZ9"!@0LG^AW)RQ!IU:"%D0W4IE"\$IZB+Q8G620%'TV 4=I M6U>.[IZZVP*
(1PNR\$P"FE_/_PNP#?EDLUY.D8BS!%)!_)'+>N='4H"\$5GLE
M(BH>Z/9#PC7W!J5=6@'B+T%VPDPWM_-NR@L;H.L'&IV68KZ95*.?X-EP8;G4 GG4\$ M
K2\$&\$TB/SPE!LAU!GF_A_M,S=D TQ\$1!NB8_4D!59/L&6_S8;CIAMW H5^_J X2*!=@.\$#GDO7;+T
M^O=P2LZW5^85!/%*3T&5E @Q90^<>J5! =IGQ%H^X^=:=0&&>&2@.\$&P7P'@!
M3XLE&A!*\$-2! =7B;+ZN<7G&2612)!4B(&*F(V"_BBT@L*4Y,H5EY5L@),'_MB=@)_O:9P;:=V+M T:?
P!6TF24W+=='_B>&XGE0XI#K=T*,>V;(:2!J+C#S(F?2R.K!KRH>/E'2)B8+ Y^M 65M@,"+ M
8O").98BG?RK/O@9'D%7WY;OE!<=!8J3RTDI!3[AJ M+),>&8E.% ^<=--
IH:518E3LOWBUQQIXG2!/:4T!0&?;1=|OWR!77Z3SA1#)3 M4F01#+,H*XD>,D*!,99!BS;[%MX+!O?
OAM8GD^:M9FD>T+, _!5J'6;_W_3+ MX';Q'+*+"<\$(\AY=PZBRA3Q)Y1!<_VELNWP1@&TEY9*Q4F_AB
MB6^CE&=)!**\$C-R#*DS7!)^C;X5U^C/MW.WRL!>AX_K;=L/#!TF!|BW)D1%0
M*R!G!S!OYA>9GY224\$)GT*\$*@_
!*:K8+4)#8L#DZROZJ)ODOQ^FZ_<33V;U((F.C(9/RU!KT#|^/XV+V02C-#%8!|JD>HCDB7!\$ 5R9:%&+
M4LQASN:-U^V&@^>33-U?EIV8A#??TN

+DN HV_X6SV/^<457_\$L*)-+H=K@2R9!%PO\$;)C" P%\$B&V&.L/@LB#K!|-*||M=I"UEV
YC!6LS/2QW(X MHALNP#J!-E M% =^F+*NF:23L!4DF1!*"31D%&4+1"S M_>V!(>:YI4<;2+H+Q
RV!558X\EB^7TB+ O2&PXHDB*?G\$5PA2?((BO%+YY\$4/E6L7L'ASBLL3VA_ LES!L?
!/:G'Z),"J.F(/ZA2YH!PF/KRW>#R?-)FK:2||AP>90*!L59 MGM)OO%BO<;51R2^S<#+!9+D/-
M4L<"UY4A)ZU,B:FK()||";XC!%R_!MW M!OSR;DVDG(GE>Z_3.F70#B6E.#CY!)BJMW9^O:\$*F>
M2DUR-CKFR;ZF*1H0/'-8-BO!=&6_7!NGO!\$*V<(U=X!0!0 M&;ETLH?5)!YXW6Y@>#|YV?UE.7:-
ZN;X9?I*H79_XMA>7&K76*L;KD&\$9FJ M5LY!\$F
3S\$CE\Z==CQSGUOW@T:SR='VT3"GC3@H5TS!0I^L)LIZF1B9MZP+
M!6XUX>R*44#\$QY"XNQ./?|VC*.^2; MKXGJ)JDH!>:|XA#6_0^3-!G7J'AG:W7O BUDX:3U!':0L8++9
/Z6OG M.%)K!C*^3EH!)B-I/3!@WS&S<'K^>=G2=)T'^U+L!XO0XJALQ=T6"=)(@! MF?!.94.W7CA.
!%FVKKA,AX@RK\$CAPW!0TEM=CEK108F6TE>#!-DRSROMX*! MR-D5IP_2%Q!V3B=QHZI_4>+L_=
_S)=GK!-D!R#-[5+ +)L;J,)"5XS"GLR MMXP+8S@>EDBX!;IQFHD=4_M|B+^#S?
O58KY:S*:Y)LPN^TJO%N5-6,ZG!Y/5_M!OY#Q!Y>/_!Q!|X&9_T0RW9A9A?)UER@*R1>F58;"D=:_K)9?*<
_N_C MRSFZAY;1/BVF!R&E6:O^39/6Y#@WUF;0G-7:\$L4IN,T6BDTZZQOQ0X4.5?P?U
MY!|R>N"!I&V>WT/>|?2D?+^\$1MX!52930).!M6(.1E NA5K5RT/5;+!_!OU0)!%+A-
+KJ&#OKM"QGWO!J0!_QYZ7#04:A^@_M6+V8YW_.5N=MPB-3I4B3R1^*%0-8F:2\$FGR'IA#%DYU-
X*+)X)#+N\$C_-/KH M!"Y_#A1P!Y,9SADY;^M>N"I<|U(!:3(RH66X0,#HZ
M#E7HHI5T.X#&N1PNIDD0IX(7!BE9!(7.0*S7;2*W>LIG%>MH7&#@'&"U.-! M8W_H!@"-
BVWV*OD;G-<*%<78(5"TY4D6SJ8,(2=RRCSG+_ZTL>SCE%Y2,>Y4
MC@;_1R,!="P"1#_@5YV>XNG3/K5)8G&\$@LK;@_D,(420T6LM4ZKW.QL#Y#8- MG?BF>^ITT5#
_0#D%Y+3!J5!8.%OT_7G5V>K-85WRS??TNRL5IR!6*V0-I<_MA6!3:VCM.#0@_0M:4IS<-
<8L2,F9U9C0/GCG!0_/8;,<6%V&"ZV@^QH2NH MA!M4%RM-VF%=U^PMO^=GTR28<%%8@-
#;2UOR)#|G#5@2B89M-ZKUN/L!B%E MW%VM*9Y;"_+L#S%S(9**="BE(I=O*+&WMK;
<|T"^O.HEER!MZOSCO;O'R=L? MT!H3IS!PV"Q#K.F_BU6_UAP9MO7W"^NB;|(PWS#B0UI+KQQ.Y?
B9A+3!A M4@OH!AHK-A^TPVWT!*)2!S&YVDB!|L1^7C7?G+8I&O1Y4?%|L!<\$59M(B
MN6:D(J!3V)*G+50QGN70S.(T-E.S<@3,IMH>PN\$&HA^Y(&90TSG89YHY!S8 M4"!D1!OKQB-I/?
U*"T_79_33B94)BZ!H('5R^OH(&KZ5D9.)#,>C;[MRVPK M?7G<6T<>D=D2/\$<6>0<6Z0-IAPCX3!)
!3;OQ;/&E6NUS%B?..?+HG83(ALW= MD7OF) E.6QV4,R(!V!=M/S?G_8+&|7V.8I?;*._#-'W\$V:RV1_Y.?
@S8NE% M!TW.AY\$!M00!/5=D5DL_.9\$#P'R=(LO-B6A IR!40?(<0^L0:S?*QAF?=E! M'4\$E'0#MQ6EM
O;?@VK>%;+,87Y2AQ;7?;1Z-?\$^:5XD00(VU(I@2:%\$2I"! MU9Y9)V5N!4P!3-\$X(JB."JR&*N@_4-
4Q_&ZF!T!_1*FRR%R6:QH-Q>TFR-9 M78?;@7(4OG@K&6:D%-EJX8QJG;S>3LDXXH."J &
(A_9&Q_&4EZ6,0Y"JI<1 M,M9YI8&| BK(FM&R#G2V!G/P0MTY#!OFNH4JX!>A74@T2R^?
*9H(+MD\U" _;@H'E4J"8(L#7KPN MKFBAR^VN;-O0L_.KQAF0=C1TM!;NX!|B-
VB9XTFM:OW4;*>YZ"SW:G\$;*;0<M-)3^ZVQZ;=|V5E^W60Z>12:C*>""B!1@*K0<@-3?;PB!N?
!#2!S^ZS.W7C MS&@|ZHYT)-5TX-!<%M>DV%A=^U"3!6!136V;&|BL/3U4)&=-^?)0A!<6F>J1

M!K@=/(HB.)", \$BI1<:A8NX!*>O/N/Q!_5<9.4BG^C!X%\$N(SDG2T2.! =|B"3XXD^MBZ%Y6=C#%
(V;VFF-GW;"[V!S>D-;I/K!;|C^O,AOYS677B7U<-L^M^8KSS!
MU!5E!4JS"8F22&2YDN.GLZ/-5S/PA=/'=)F86H/KL32.F_!H#+>C*J@# M
%Y9X5KPM)W;U00=2Z+FXJTHIM9U,HA6!O"1:Z&*3IFW=IEV(FSUS-V Q7!W\$LECBYO<^A6^X>O.-
G%'2'84AR^ ^#6,G'D1/-=8F>>)=*>!*VIZ56#;Y0FC,NLY>Z!1'=\$=D9-|=U5"R/I_8. MO,5+%L|=E)V2
C)2RA&,0JE%1?RH0; ^Z/W#BGC MYL^,@KS#Q'UHQJP);G!|=4J>O\$U3&?UBL6GQ;56I9\7,|+-
ZO5T=D9OG7C& M5#;!%0[V]0!&|BQ"YR75U^%|BU/K!QGO!C.K11(Z;,.FN,M>.JJ /;18;|*R!7
M!6SS_04)KZ=?IQGG>47F9E!&5;3-&'1F%BLAQ11DAWG&KRWN9ZU9^|"+U:T!MLC M2=P-
=L_ESM4Q!3/J.>9EA'>J.4!+H?6WU8R62M':85GK.E|BU4YX!HQW MGAL96 FMD|_WT;
(;DY+27L3B7<0V!|F8L_ @I8B:_2UG,R!RL6"#Y;:S Y1 MVZ"3>F@83 O8/,(.0LR;73| ^|7N
=HN;_"8RY>">.@B1T;>7)"S@C#.B" MT13);&SNO=| #RKA5!\$ ^"G'V\$W@%V_H;3D!|!PO:
..) GY6.RF!|*W= &5ES* M+&6/UI(3R*M/J(*W\$/'=G"6/OHZOR*FU,7HLC;09J>=RO'E4#3TC!&Y,L_6U
M\$-8A!\$ N(\$D2(=1Q3(5KR4.1R\$7KNZ*/(G#_#WLG=OY MNS-
!&.=*)# +|7D8!"F6!\$*T!GYOU.F;9;>OLZR-)"<7!@&:393WC-J9 MOM\$!1T,|>
|;D|F'P(+TG&R=2P@?;#! 4L6DW\$INFTR8AJIA<<,2@*N3>%E%| M3!#GW(BHER=-(YX JJ-
HNPLG|3|_|+|/;ORR6!_,/V(Z6T!7|=Y%_L^S3>7-E62&82GT M#Y<85O@;-
W!?"D4F+I#G6(=UD5"B<;66M4#!5# ^1JCPX/|SE\$FC(UKB&?|S\$ M|KALO@)/Q_O&7^?+|P+)?
U_,JL=^52=Y33K+Z;IVD!*OYR<;N5R*;>*T8ZK4 MADI*LQI-)!/*A ED9.24|8|E|>.M8H.9J;/M3,;|=
<5D^+H8X7TXUSUUV4 M-3&!"6VD Z8\$_'2^;|R*JP^ S);_#\$(X&*#W=E,&^G3&GAZ7C|A8C@N2Y|1"
M;K+.^WKZ2IM;C>\$><*K_568')F-#H*U=8PJ% ^"8J"-*0JH|S\$|=)|FST
MN94|G|5R),#TT!CT7;C1:%U>ULL5U*P0C.'FV/#.LD<;=-73M3\$N4Y>^93D M4R:0IV!AW,OZSW_)'
\$H7<(*4F+02I(47N00D=P0G, MX!C7.DJHC3A*PX\$C|=/G"NHD?GEBN'3NG;VO'PQNY_!;|Q?
\$(JZG2|S(XTI* MO^/ZK_.P.=MX=6W_P?1AD,Q9GP+(HH9)5X;#*P!|R@A9I^B|
<|XVZ/WMC4//!9|O<9%(ZV8;J#0Q8W&AR11 M.^K/+CL'7UF1WQ?S|V|NFI*JOA(L|_
;WF_15N8419W|G.N5EP(>-8?DI+66 M16W44Q49M..J3|^OZVUH!#C|HWB\$VPI[%&=&*E>S
1FGKH5CMQNL36%'S+|RQ MQ+MT^?8|ISU:S|=GN9B>#H#T^ ^GL;XA;B:GLQ?G1%I_1|Z%=-
HC_A-?O M9ALL?|TVZ>DD@|@U: @ZM6|H+T#YIQ,RC,, ^JER%4=CLL^UUT4"HP|@=;R'
M|2J|G<|A)J,,3&PBE\$DJ9F%R&0"M!DYUR+ZW'J\$PU/PU6>^HA-H-UZ(S7'6
M|=H;/.H=Y7)'\$|=;K0W07KQ|!?:B1^A?ORSFM1|KW?+7Z7^=U;M2-WSOB-;G M&M1JC
\$4BDRRBP;5ID);TO,3U7I.@;_?692GM=;|AZW_9|7'Z+P^UVI22A2 M<7*3S@?<
Z6/HC2E_ B#IPYZTWK7MZ/'V'?>9LGM?R!0!|'9^0|QJV3*3(B<3O M@8MJD*1|-
XKTE11&\$+4Q3QE|J;_U?;<|AP^2KN=H_EA3ODD2N&+XPRR|@)4 MS,0EB1RDRLYE(8IA3UEB^P-
R.QDN,3*&6^JT^T.LBV;C#ZU792/7.7KP,=9; ML>3_%Y7 I9@=KW>OFG?!.Y#D3L96C
SDUKKMP!9OX?2R7;XA%XEDQ|"FS\$#1 M0H18)!?6|G6O(T?
+6Z>C'R"GDW\$63P#!5CH!J_C=;/=Y&6:UROOC9ZR#D&_0 M_A>/C>?U;))SSP-
4MN_34X^LYVD:9N\7F|F"EW@J#)7.F,#Z7,C%8P* @Z>|W,13ZDLM@93*^5O?G>C=&)
|*;/D1(*+@DK'N3;EI@*N3N.PM8Y%,8(E&@JK7=H.."4HR MI3#N7?N6PEL)&1K%^Y;)>
M|ZB%/CAA.=F8B8LD,T4>)|4(R6FP01LAG0NTU;V<'8AK ?U 3X@U-2H,E!7G|E;I M
7K&/4EJ#ZAFNL_1|AOUL,|U!78;Z=(2|R-#6GGB0Z4\$P+ "-9|R\$);I353
MJ;3.WOZ0J"3L^T1U58+'<"JSD6"X>0_SXLU|6E\&9.ZU^6B|O
M%Z@W16MM"LF%U>0LUQ;BH9A#VB"<%MK&T+H\$XW\$4CIN;/.+6=CS|=("^C;UZ
M0V@3LJ&9U3#6LFSKL7&&.*%FDY:25L39E&8YR7^,&%>-F%|NCZ\$ Y=X"4F!1K
M&8ELET|ZYT%90>XRPKLX|T.SBT>+^L ^|7 MW^N% @S7Y;#6F_%+S9O3U)G&&O!;*E
^U<-Z|/M<5#NP.71.H5%"K9Y)O+X7/40!39) M474&@_ZLY3WA"
|D*JV%4|/E"SU'5&806A#4.5'827*%H)G&L_H*).;.&|6Z4 M!1!-H'F\$131_SJEM_PW7GVO|WU?W,N
^<6 M;|.F3O%R8SS=0TH/(683+40=0>(^QJOSL'WH8, MR61CC)9!Z!9=JR|>W4-HV_03>PFS
Q")7/3^I4YHTP?L?UFVH=C;TK+|@ MR?*8BL@ (TB\$YGXJX|X88*RPPIWMNQ-RZS&07NGJ("N
|H2D.@#6AI-)LA&E MR!|DT!>P"*);!%8O/RMRWC#;W/H*P>;-/82##0H'R7(#@+ 7Z;_MWS
M?'W.|F;WO|J+*H5'1XPHK"\$R!GJDR#AHGY)CL;#(60LGN!+6S4R=XY2:'\$5%
M'5B>:WS=SL'G,J(H).N<,=4 WD4!6W,>H(##Z/CK+*3ILC*)KK^|&-@=I=-%& MO!T@XZ+0X7WX7M,
(%UPXQ8PKOD!F,8+B% =Z(R5MVD4H(U_\$T?Q4;BLEX^YB M1|)+ Z%W)TWIUJFB^^(W!
(=MZ5U40)HP62>&R)9'Q3;6T5E &9'##4M\$|_M)W|^D*AO\$X%'
E1;58S6MQXZ;SVN,@T/%UH\$U>;68#_S_;;K^_JLM5ZE,^A=47M ^2,FQT| M\$J1;B;|#)%V3T*W"J;?
S|JSGU;_1S.^ ^X')S|IM33,%|!UJ;6LVG(OAB&&1, M)4G)BS>M9|/L2^NX2<@C8?!)%D|GD"(J;DH|F
M26Z|5H38<,|K" _3^NA:(O4NSJ8G@X96DT!6 M4A5AP%E?;YZ* *|9L<;M5MIS9+Y;+4Y|YNJJ*\$+
M1W4%3W"">B*E)MC+E\$&E)"5H?1@. 9VK=TB=TEH4+IK?Z+V?G&Z26,>#52ME M=
("KNQ*Z# #FV=ORI*Z@F818S>N+)VSE10@'TI52M826A)2N=,8(*B8.W7I#+ MP9!)6F|BMBY;B|D
M29^*;1V&'E@J<|2N+;.AY(=PW4MA'4#O_<5|!Y;&_@_OSM;K=9A7N4YJ*;*O*
M2I,+X@,HEQS\$&FYAXN M|\$@2Q^X^?|R|=D0U=8#"NU*;1)VM3|J|H)3^,-I'4D7(J 3F>!NCG0|E(Q
M=AOAHV#I0&&/>)\$5*^_V".5;0+V^)Z#>|HK/Z|/+&H#5)!;!)0L2LHV"@FMF MP\$=A;V(|&
(56FW@|;;&M%K\$=1;VY^D^>NAA1P5U:P7T4,%\$J"LV\$!Q.MI17M
M+!A=|YQ%B|BX|Z|YU(LVE/<6D724N3LZ\$JH_ A!#G_BN&;TY+YJEHYDOK.W4|D#6V?
3SR)>#6BFFVHS_! M1(O-/C/N)ZF,+O)P&'C+6X^ ^&BS+AZ@O_7@BT|USYNXS%|B*;! (OBL#
|E|FZZ(->0RU?YZ8NA(|03X M4" _!;YI!44?>>NB|GN)&?LD;V^=WW6I6HB|@R#A.OVO%Z=A.I_HZ#-
GFM6F M8"07SC5\$+RV46CI31!32MEX+=ZGH!"F'J'?VCG28K'M RV+ ^%2EBH.5S|_SV M-SR-
N)QH)9P4T@(\$%);GV"6,0!A!7TYZ6%JED"CHY9-IJE2L^Z;:S8NJ2,7;>K/TN MM9^_X#
(39B_GGZ=90+ ^/A!;Y..GJI83G!05N#.USUVHS:4UFDUS0; "TM| |A<_UVC8MG1/#Q7A3QP+)>2

7DD>9'#JER1K3 M6GD"#VVO/#X4>!/Z1Q=\\FG;)B#KD64M.5M7IVJ(L5'&AAZ*Y\$B\$XX>|<
M8O>2JC|^"/VJ&JMAKZ0M5DE+|I6GQ?+Z7^3R972I^\$ZNR_U(E;Q#J(B|Y S MXX. 42=
IQ,,V^2,78)S+"0=)/8>\$72^80?AT0?AP!3-B(U;_TA;);6#@W M6:7F3?IO(67XNX1-
==WYZB(I<\$6\$5"4MYJXB5&R,&&4)!UGQL MTT/TC-O2Y-CXV5?PG9^J7HIMM2AU@O OL\4?JP,/5+
<_L^59Z@Y4MSY&??U
MHJLR\$6\$BJZGN(NOINK0*@D@2K"BI\$/JTDJV|ICU\$S\%CCG!=G_E^N:C)K_SR M^U|7F-
_SPL\$YR2C2|@Q->GJU=K!S\$M=7=?X3HW60|69<*20UQ0,'KZP!Y(D\ M12'1Q-8WRFX0,"ZTQD#
71#NJ8X.L/0B_ ^?9^:2H3XL/F!;S-!VF5U^Q|&FQ MHX0OI>ES8CDY#T2PHPB8BSIM2(\$@|R)Y%K&
(UH|_?@8-T??;)'!A?>"^0K M+N.BV9"%JVF/I/4,MXU|S.&(5#RKC?^JF*6-6(W8@5+PK+@7.L9'K00-
:YQ M'A|_ =P8Z-%9E!Q;|8A07L7%K8M?;TR|ANJSBGX04M0VQI4!! T0
GI6QS4^_ME,R|@#9WB#80%T=@|YVW3KWS_VW*ZQM>+|^83 MYK152D?
(Q0_7|6@!>|!"LYL,2I;_-T9X2X5(P^|I0UL!ZJI Z#=-Z'S :K%: MKR9,QE('7T)4/(-BPD"
(&4\$4XY7#+,2=L29-YPT,5(P|P,8WH|VHI@Z |OK\ MM1L)?@K?WGRKUAE?
XAS+=#UQ(@M&0@%:_+^NK;#5\$X30HD:RWR6L96C>-_%) M(|_I|0V"+178 1ZOQ/@+R?
Z^V>_D'/J/CV"&V>,9/40F%6B;DC:A9&%:Y|MW
M(FSD;_R|8;_LA^/4+|!Z!Q/ZBG8IW;3|+9R|P'#K)9: "5,YY7O=_.+D2\$3
MSD5*!187YN"L7I!&IF&6A:F+&>89>NKY8^E<=SCZ.|@>U05|X|DBW+^U;LE
M|_=-I;_I^_!EX8P%8#J3)|TL@HNT<+.223!>@LNM:Y0?1^&X,S^>"8J;J+<# M?V%0H55;:DY!\$-
Q(^|WFAJ5L O/@0FV1@CY#S-:TX)I+;400'5J|EYB=DN7 ML |M_-E&:X>:T%8.Z|(.17F-
FI^O">V|_ ^B5Q)|T:"AI15"O>;I0)14&UD\$ MR9R6)6/KX|O=J=L-HO_|.D<2;|=G#S>Y>UBPC1)'J=?
ATNFTLM<@I4@9:E= M^X*%6(P"1)9T2:R4YJ62N| U|LGCL5#Q0_ =J*!.3>6FRP|>;6:2|Y3S"0G
MIPRM69L91"l#;_3&:8LN-|DOPM=XYXHC@:_I O74*>PNS@A|ZMY*ZB#^W0!>
M|_#>QL:@BE8&D'87VW->9LCF"S)OEZY"6W/%-W;WDC7NT."8(&ZBK2R1N&|I^ M2>A%TE(
"9'6EW4!/?#0>4G'115H6K6OE|B%LG'/%4?#W|W%*ZA)Z0X+IM@1 _MQ_4\$7=;U*QLX+POY%D'7H
E;H9*162Y|:5U|NSMUXQX?C@;:)LKJPA'SC8G M0|L+5T?#C-\$)0B@2E-\$(+ED%*1AAK*6?
F=9U06TH|Z1!UA/=6#RF6CO8^,E5 M/C|R>)' ^ZVRZ1.(_GU56-
^7M|TDT@=EH.03M99T9&8@A=)!JRR>4R5C9.HO| M0Z*ZO-EX5*3<|J'45&U=
|/S\$04+;0Z'3QS#=#^4.3X7GP+D7D+G0Y%1S S'8 M &@QN>(Y%Z%)|<|B;
N7<|IC>|/ZNO20/X6:LIA_?W%|+|: MS&:8!@F^*|8D2:MM0IP\$U:F9IOT"|
MRWR_!UXQ;EA1'2U|W/XQ;8#-^?KI(KYBIT/2*ME3@PY89./PH'VJG;*)EZ|
M2@FT28P5E9#=#5F^%4L/OF7<+/?8<&JG@!|IO)=GJ^D|>|M!C*;+YV|W 4^* M2%X&SX B?
5J\$A6D(*4C_:'0LT19N6@-U=^K&O2#3 4R/I,A^| ^+GK):&|H|Z?;_1'GQ8ZJU!|?@6D3V;^<
M|RWORL?/B^6:G-G3UQC7\$Z>-%75Q)EE'LA?NP5F2J|2!|I0Q,=7Z#&(Z@+_U-?7K8GYRL:1JPF13?
7(MT^HB+;*)A7,BCN M\$+S@ "F26T7%?K)*M;VT|AKXN|^5/'<^C*;+R.DB+OQEL?QWS">X1;
(36Y(Q M3%F0LC9MYW6-D4X"O J.6"H|EN;|I^(-)ZC(M_J1VL|JOD|BWN;L |Z&|R|^ MA6|_FZX_?U|;K-
8OB>=F|L6@P6"^2\$FD+/9""46C#%O;(|YVRP=0^,?6GM M.N|^!GR/JN2; 'W-R|EP;FHMP/5I7|2E;#|
_I6^?E*=<)|\$H\$VW\$U.%Q4BAP M628H(5LKA"Y6M+Y3L1^E72;^QW)CCZ3@#ES;:YL..49GR_29UN>
|4!P\$C>0@0%=618+|WSRYXSOTWG MBUH@'9.P,<5"2XG4V318\$)MFIBLHT5F-3-
&#JK2VG>JV4'LKK,IH^!R5;J MZRJBNI,4|45F%2-
IE0BLCH152DJ("04X6F0LOF#0MFXM^#!%X|:SZA.%^R|JL M"P#N+M*)XTD5M
Q."M7BUVY(P1=PWD9)7HA5NO6-|=VI&|FI50?(/)(F.S@- M?5,*IO6|N8;^2'S\$ _Q Z^|WK|S6_|>6)")-
|8S\$=@HY-AU|W/2<=6> >ATT',OL?E MM/97O^VW-,PB^&|S|Z3G7!
(^|'JHZJ=+@&DLT++8BC4;)U-_YFU;VG*Y-C58%LO3C3(OA.I,|)(| MVODT4O2A%8+GT0.7*2H7*A-P-
KB.DIC;|EW@9U-QOB2 M?
\$%>04H69/>EA=C\$(POD\$01TOGB_1\$&|IT@8>16(\$^"FOUEW@PR_+S?G^
M2A;_OI^4O_5!RP_U;_ ^N'MC>= _H_)N1OGOQI,5|M9M-<4|&7IGNUN++= M|P?)?|U-
(793496TU,2|P_NSSWR!3|2|7";N_/WW\$%,_WIPVQKG&?.?#00@_MKG;_|I3E<,%R>@."%|H|
(AQL1H%OT|4DI9""RAQ8B;0/>QSB!C+55MLLDHW9'6UUW";F\$PCM MH>'P*0N#O
S77Z7R|.PW0^2=(\$)A("P(%FB%("+IXL#)A<(I+D5JWM;A+ M12=(.4RIM^/_PV3= UH6|Z^X7-?
YW#>RJ* \$:9T@=FP&Y|L \$ M\$;26AAD;2ENG^0_)#/_4.K\$6@/H+A6=|&|LN\$OM)^.('3YA<%-
O7|Z3TN4U7+"4YJ MOST64NW.\$^I5;F(GE!SH*W39H1.J^;'+G1ULH7MJ?L|Y|Y7JO M@-Z|&5?8;?;
|O!CQ>T_XJ|S|WC9>A&N<&G><>:K,%4&@M\$\$(D@5&|+"R7 M*K;NJ=V)L,91>Y;6)2-
H2RZRFF|E(7@T8(WCB07&O&M=5=1IU-X("S|(VQ|C M|P|VMTQJ-Q*I%Y46|
|L:AV"#AUJ)EQ4\$);4<;5'B;:80YG(' #-9Z*.E?+81 MU F6|M#T?;
Y6.P=8.@6#^=Q|F;F:4DA^"1H!ZXEL,&X"\$ID9|4R3#1WBK82 MT@EF#E?TUKG%ATB|
^AL\$OCGT2,S+G">\$;@R=;|/;6KMB|4*;K+@)_RY9I? M+;AZ_|A ::#..<"|H1M!
|BX=H'AG(&8.*T(5^=&: +*VM\$>#|H 9E=B5A9Y M|W&K=X@8%R'|Z_-.%N<0X7:
CJVV)^NTEM88,#9BY8&3534*C//9(O.6=N6C M|N&/P,C1T/\$C0N(UJF@&GG= |0- '7-,NC/E-
6,ZGIY/5.1=*Q1A4 MS6M;X^O)2ZQWHCS(4)B1J%)HWH=K.R7C7K9IAID&8NYB;OR+E,Y.SX9V(,/
MMNK+?SSE?3K|BI4#MG+7#0464&*3I.CG|A\$ _&2R*R2VGKKM6E)|KXS<>|> M2VEGB(ZBC
Z,TN|+(GZ^IJ?2;YQ M6.&A|_VIA^@9UQM|J_U,UDWT'.IR0".*1^X)_|9R11R\$0J)|#B2QE9TBUR_>
M'M?P#W|ZV23)MY^_X#(W8MX=Y/H'V@M_+)8_A&6>8(Z2.>|!M|K<4M"AS7 M
30+F'/MHJU;5^X|DL1.LH%|(N*'HV+J;<#|W+4PRMU%;OSM:K=9C7FZ 3 M="+4JFS@/-
"FS8/97*,V.994F+;"M;_!Z)G7%P=%0CW9X|.TTHW=QOORNKR
MPO'|Q7+0X7J|G;_S8F|O|3=5B>BXR#9UHI|Q7N7US M|0=)&C&&+)' M:%Q_09QDV1/"Z.|)-Y%
|NR^'\$WE9NBH_RE|F^BH+9G>0%QI"4J&#!&|L%U M5(4Y3+IU?+H+7>-
FS)X28_H'4C#,6\$6*H>;5@\$_BL(B3!

MC#3.Y);!PI0Q"^(V;GGB<&8TW7<08[_(_WEV/G/VT^*>L|O!'XFW^YA_0-+#M:KK&C|C|.DVX:=WT
=/B9#XIY3_"[PG"C\$;0BL\$9JMNA 7GHP0=BO^*R%A\ MZX3TL7D:MSQ,4RZ.KM#1UVTY?
M_QVUD48/DB0Q#,06!%0YB+B%*4Y*/K7L@ M'4#NN'UG1L+X477:3\?Q09:UQ3_FUV?
+NKJM(KIAI/P=_QA^M)HX8!\$8P0&5 M(*%*VLY

A@A M(*8<:P0KP=E8'-2)GAM>6I_IV'PD9NZ|P!_Y05+_HVZRI^~R\1:Z0.^"B
M=NI5VH./6*K%5S(9SU/S:~5|D+D;_O\A#J&.K<1^<3HLOGLX)*>#R>PT%%9;
M_7,5(J*/4M@.DIGDO.M70'HUCV?+8IS4Y|*YU.=(B=H->?|0QU%M%=0A"|"P|MJU="2<%D|6U
M|9L)"D%99FDH|05&9Y84#|*%UK>0'B|G-|#[|0YQ.M5)*AS"|5G&U88<;R:PH
M('=)BXI|/*!OK5)% "F=EGRT;NEP'RV|>P?XJ'HB3KZ0=>#97S)"B&E%9 , M8^2%;O(%."(P%
|P03%,HU7S.Q, '%E?|0)R|_U)+!_XV%7>:;XG;)U I>?K# M(P0I:& 9I,|UK|<4D|.7D*3! M|
V/Y7C3!+KN"O\H#>_<%?XQXNX-UOZ5ALC=?2UEEC6UB&U;GG+D%61'J@ MR =|ZY8)SZ7>\$?I?
% '=H5_C/|@|0-.62|H1)^~^#9109U!|(7FVJG6\$0H+!*>00C% MM2YB|KPO0I-
=:C|!=P"1G9J18PYU%/#5H19N2H!;8YK17WDB>)(N|\$ Q1+9D4WF&\$#0#
M40=/Z2";.9Y2VH6N3FQ4&W U5T0'X J^8.ZR%8WC2D0%+D;2&RNT9UL7P.0<
MLM':\;|>'#+=Y|K;> |(PSQ_/3D_#|ONB?)R>S*=E MFL)|_2*EQ=E\|P4S*9IBJL|4I./?|>A2%WK
M7",RB%XH8#Q+|M%8)M2VOG)T+S4'7Q!;?GH3Y|+|'%5VE@^F;EV\$UI6CF_345 MOCQ;T?).5CN
MHK&>)8VFL:B.RM"X7EXC3-ZY?=X-!#JTL1_QI.Y+UT8D|V%\$MSSD4"OY(H:
MGID(6(/8U4,!.0BZ&V>;%83N0-7+0V0(; M=|(8C971H4GYM SSU>6R?;|+V,R1^J.EA2/*#%*"|F/|P
=R;N\|H M/WC1MD50:*?/0A60@6M0'# X8VI7;QVDL./LOZ<62'|H8K;|^>(ES+
/U^QD9DCWLJVJY/M30|<5!(MW_7K: M)F+
U|AY1*;3|M.R.7FDL|J@0!7G!;VZLD|UYX(D^JRWKIYDR|KHV'O"H=->C.LN9J|";;%
|W=AC%AJ|&VO'M+Z^_M_6KE9,^=LE*#\$18IU*EYED8%/166)6=;5|O=2#)XYK")\3GW9M.3Z?
J#HWD MI_5XOYQ3"B?<+=6T|X..Y|B*)&|G#3^I#>M&6KE45XFYRJ25';|0J|+|\$"5I
MM129,LLZ2M;:K7N G 9#+6X ^@|JR;+,\$ "I 48|S"W?@0T:P+B-2W)6S;|WI MY2%Z1A|KT 036^96M-
% A|C9:!(+."SXCKUW6NV6P?"|+M*8=:D1|2ULB2 MW'M*0^|V|1.: =^67Z9PHFH;9U96.JW.B9%C47
"SK:/D| 5R-<,DF(MYMJEO%5;A5URM\$/N6PMLWC28G@.8?2NISX)@6'&|F-J-Y| MP66H4MP|_
K*07NIC2R B>(.57(!SXJ'XCD303*.I76L|S!%XQ|B_|1_VZ(T
M%'P'Q8@;;C;6%V_SPF4V)D@'16^F*5J2D-.@BZ/|@57GI9&M/ "0%ZQJUL;0ZA
M!D)_5IO0%0Z;,\$*+Y1\$WH=NT'F<3"C;HR)V'D)2H41R"=U*",%YH%0R7S>>?
MM|F\$2(J3C9@N|>#', "4T|ACU^|U=(EI?>|279A(^OSRDP^8OZ!J(*= "B|POXU)\$=SO%
<1LMQZ"KJXWK,8BYL#JC*ZM+*|69 MC4!/6(4J@|67Q?FW>QFI^Y|VN(W:D=)&|NJB://5XC02
H877<)|!5F.#QJ8 M4W6RB|JQ|HCV"5#(2+K-EIG5&X"%Z#G5^MCQ|:SL^B@3'X3PJ\$E-6ERZ#) MI:-
D?'@6IOIW2@;US0U0|IM|@(;NG0!/UEL(|R 1|Z1C|U+0N/GX; MK>AZ|85.Z+>.K1FOX3L;K|G:C
M"C-|%JR(W/C6H\$|G\$C2N36F&B|LFD)T2>K08%R<^;^>U(GHX|MG'>&Q|S,%V MY(>T-
2OY^ (KGD|>S&9#)>3UCRY 9(*7M!,YX-H@**WJ*&';C+B(A:M;:E!; M'S+N1MG!9F;+H+?
MCH3EPED(M;/J6D4V2HC*TI=>6*:+B-8WMZZ|D39V>4AS M_-PQ0D=048?
FZ.5BN5S|L6>UV;5_?'")R#UTM*JYQ;BMDML9P7-V"FOQ!E11 MM8&Z9"!D"5EGX5-
JW9YK.R4'U|C>>.H5.B-QHPQ+!E.FV4=>.&|EI DSSQ% M1R!MG<.YAY21:UH/U_ ^=6M4&(N_0(-
QM)KIOD?|_AS0IT^~KF8M=F^_YO?% M^@HPP6A59W;
R/5&&N9:DZ;9\$R6U4YVA)C694/4M2^2WY|^C9<2Y64|B=;4YU/#|D+)&EN?
V2R|Q4WA@LA3:E8)0I-G (=3R9RZ\$*89<6|5|L-|MM!QJ;6X_|WH>,"O/"P?ND79-
(Q(\$:RV@E#*1AF/TXLA,=F)-FN#@MAUI(|_@. M|<:OT_7TY*+0M|QX|SVU@GS>H_O=+K>-
|~RVW_/M2U|4^~J)&=1#QHOWGG5 M,%XP%0D2%C(%MJ"4(N|UH0.78M!1V1R:'RO=0|KA)7XG8?
9;6%?LO:@ "O2;@ M:|NF=|2131"%|VW365V'22?0.BFM14S,M_9J=B)|LY/*;|NBX6_W76A|=FJ._
MG(5EF*|Q6,-O:9V>;GKR|5MB|_#S#C|AWTW:5F?+@T^K+)|U|;6=\$|J|V"1'6N+9@;!(RT6(I*N41O
M=&|H6K2%C)/G0_3|YW#Y0!%W*%N)A7MIE!MH^~N/V\$0ZW"@Q2U"G:&=_R& MZ|^+?
#USA_ |V(Z7_!/?7/C.-%X4B|S#A@7L3D(CAM,^280F:%IZ!;EW<|
MDL2#0Z/MK|MZY;149HP9*,G6^UJ\$^&AR;?Q.VS++M\$.+UO-(=J=NY.#IB+BZ
M\$U,=1V,=VJA'MQM^RF;*XS55'JNYGH;UKB;..U*CI&#-D*"TB|7CIDD).4X M)DS1Z; NDG|N',KCH2<
X3< 41^62R17(M79_3N.4&|MA.FB0QW2>9Y^:V M2)>6|6BQJF;.#CT&"2;I8Y,8\$TH|A|^ (V@ES
M^IEAK|TJ.L|6|>3WK@SW<6|SXC)'QG2@D+SF| |#V6+/-:9 >_8ZNH D0 V=|J.ES Q%|N8\$M&
M4\$D@^:KUSK (63|K)=>M|S;L2MM.V'//# 'M'44P'@'N1APG(*Y+7T!|WMD77 M.41EM
>+M8N#EGQF|6JJA U0-/+Q8K19I M6ALO_VVZ_OSFVW3|;KEIQ!%F5X,|WBUOS;XP|DL1FV
M)"%1.6Y;|ZSMJ-|MN|N>&5A'TF|#\$2T>C#?<7T5VZ%"\$|GW8!OIE=-U+9';Y^;W MH^ZC93>4/?
3AR:2|P!|IY>+Q2D?Z_9GC4MB|HDOFOS"9AG)892R"&M)+WI+7N;E8A*|T3F-WI% MD3-
GC.3E"H0DH|)%6IW*D+N;R=D-5| MP*&5_#N!TD6W|MNLI&BC#T*"3%R MBL*#BYQ#48F1 ZI2;-
Z2|!@%R=H/2;," \$L*|K1 MO0HUEE%0)**V.0LTK0| |Z=F-R |MY."1M+O \$Q=6)B9^)|VJZM|;BG^X^BF
|'|/?T2I|OJ&UX=5|PK MOR|F|H.OV+>L|AVGF9GF61ZF_?M|<5NJ,MC2*M-
%U#,>H@H(M|R%*P\$)7G| MU' |H-G8#|K,|1A9WQU_ |Z+9N?KE|? 4N06M)7#8'#;- 1M&N2 B)30"OIQ
M8_ ^2-!N,'QN1PKM=-!H*X8N+TRK';9&5H/|1E62UYJ1B6VVD_0YP=*UCUNWV0G?|AP|> X*
M*=@F@:GJ"1)|MH|WBCIPU;PH8V?J=L/9<|OP'TD|'>#N(T4<.2SS^~4BGZ7U MW|*RMJCY?
I'2<9S"ZJPA|W(5?8%O):U K0\$'YS/R%MOA0\2M|NZGEN>OYT.
M.@#4|_C'-3\$M%W/Z,N&U<.-;3%ST7C:ZQ/36-//% @X^I;E% PG/|+XUL>5 MCZ5Q-|@|MS.!HVJH
R3N<&=B|QL7KJ=D-K+D&|19"Z "A3 A6P=2%;G=J: MK>=5/);&W9#XW X5CJH|\$9%8A|C>CICO^
O"IV%J"9.OBZJX HYG YSOY&U1 M1NE=|NC^X#6|5%X+L<\$K>4Z,D2&?C6_+)|9OOGW!6O=6T!;?
<GZ(:SQ7?F MZ|/E_-V|KH/K;>%KMQB8D\$DF|GE(O7!|=;S%8#KH6.+G"3'&W#RW| #4!O W;^VT*

<26I/M/4S2;@!/:HG|EGKH %::FS/XZR(.?6TVA4!?,.T:|TZ7X369(Z9"A)"20F4
M2P&B\$@%,TE&:%)@NK4//G0C;#6+/!>G?7B<|AM=GH3Y|+|OIB*LB*D?|/F M^?
VUQR_*Y>6NC_3))NS^5.6P5|O1!F|N %I:Z/WXJ4=DKE,GH0N0YC%4Y!
MD#&%"LJ'8C(JU=J/.5XKTH_I,^:S&7FFY(V>G0YM259_76\$>9'MER9539*QE
M!HDYDH.0!ION@\$2NT=02X=V|P5YMMY62Q/ MAP?M:W| FM9R'V: NSU7IQ6F=2K=?
+:3RKC"XN>KQ6=V9)?LS+|W_! MQTS*66|:7V|H2O|&:6U|Y)72&3PZ#-:&-M^70A|MG B29
MT_VS3P|^|M"@:7=:&P5N-SK&O9CG#SBK_L-54|FK>9(F(??U8%FS!\$J#"\$Z
M!K9(2T8TN^1:&XF=B6OI=6Q)Y="|H|QNR=I>|!.:5\$;W=8>M|HP,-XHC!/:S
MR:U3:8|D<=Q0|CBH>LA=:*VUKER &^S1-|C|BB^_?Z+GO"N5QVOGH49\$Q4T- M6|&VP74.O
T1N.=!&Q.+C.?+>Q.YKC1VJC@,:*|A@TZVVVU'R|KV.HQ"/%V M|<%+G".%K4-|V|Y|H^.>?^AF?
WC7:GZZW7:Z1>O/_*U|L\$JRV>0GQ"BTG! M@=
(0@/@E@RL4XT0%K>.:M:P<>05X|8_@|7DA_8|YO'BQ(6XCI:(\$Y|T&ADQ|Y M88#DL4H6L C7?&+;J2-
NR.??"TGWF|UV>N|J+W|X7.LGKY7E#E*HT|X"Q|J MO|H 6% LTQ^I^7%'P^/H^VY3P^_=GKJ 'ZO/H?
Y"5+<3A'A?P|5F>+=ZUV< M34V?6DNB^>:E:LB39+U+V=U(ZK%!V>KS8|NR:)D =IZ5H4("S)'F1
MG\$F%0%1>:=Z0Z)C_CYD6?"NC=(+D:O+|%_SB59BEL^K:WY',+7:1?'K..M#F MDWR=2L|)#1*262
K8:5T2MP^%|A64=Z E'\$SEC MX?X:|OYRS"K98(?/R.N:|!\$IBD&7!46?P1-
S&NL(0E20#/*DO#>*|^>XZE&D MCCO':P3?XFAZ|!VNPXVU*O E?JZ7U+
|B9E)\$8V^O8GH(HS1NG(L0"5:JL|P M:C=#BMH4C.U:/3=QVFM_ WWQ*NR"G:ZCK=KF\$4*J=H
M!63\$.GQ.,?)UG5@QM|4B@KV>(<|Q|_|LC"IX?X4^JZ*Y" 2.GL=/"JM@0(
MCY:|H(W*Y|0A14>K/=6|N.D"-+T &UKSO'F_V6/P,>|!\$Q!&L^S@ (Z"8NW,K8
MR^_7KA: ^BE|Q=IM77K0MIM"*+_5FH, (T4| #RSYF00Y=, '=&X3T<%Y'Q|@#
M&|V(GP"375EF|^4@JE.=YZ2VU6F*73CTQOE\$53?%?1?S(;?'@J: M|^5.9L.P3GTH/M<:?\$-
+>I8!77*,F:AB:-WZ|7\$4CCS|!2|G|VVVSJ2=.\$G MBCXY#Y>2;?%?|+|%O2;
|FZUG_%%3E)Z"8!-0#*I7|Z\$XF|!\$B0Q)_:|G|BU)) ME 5\$1GP9&7.,8\$NT%EM7H-Q.OM@F|_|L;?F|?
\$, \$PFE%!"RICM'QB0ZG;O1%D2-HT^:"Z|",|=2#O\$6%|6L|9;|Q_<=|O5Q)_<> M|DUKHT*9,
|7/Y>Y7WBT\$7\$UZ")6H+4|N&_T-1LFB("R8!\$K0BQJ22!|0"9C M=ERT+|L|C>)V2N_N=|H?
O|@&W_ ^|3R&S?4=> MD>ED%;,,:!%GE9*Y("|\$).|NB#V2G*Q;:#|@|?H" MP(:;@S MI;#A(M*-#S-
NO5(7=VA,>'1P3|H/5D,/<|K=D;NR*U9|6&S*M;_?UP4F%B,,
M0E1D2Z|6Q3A=M^7J).BL,FK1>M7Q,72.6Z0T(KH'%V|EON?^,^|F\$VW0|>:
M|SS;^3DGMYP|3UTC(WV=0J;OV^\$ (ALBE|3D#|F) <>|!O1=0@K?&N5,:VT:
M/D%.NR=^_25OG8Y;PRS3Q;8|H|Y1 MK>0J">6!CIM!*>X@T.%!\$ZK/RZ@NHZE7)3H43G MK!+:?
YR>;8|(\$WE4CJ)+@5!U:K+ABFJO(!?X4|M89LT/H'=-8!'ZL M TNP*[3^?3J_<=+HH)N|N/AC=EDG,?
R%|_N=*LRX+#!Z8-*3|1OJ6&U!+XKU M\$CE'D9TH@V'U4&K'K5?'JF#2J|KG/ZT(8!>=,W|ML\$
|W"VB)|H|YA:<&WK M.\$>;7%V'R.B8Z,K"E\$)^8L:(=KA2|8-('=4?7B\$#B>W;@JZWEWB8K\$JFEA'
MO0X|*R!<=0@"6&Z|"0Z0=;4Y^NZSJ)G'%+S5O#<2PY|: Y
MKZ^N/T>|)V|A%X8|QB\$DTV&46X'TD|YB9-H>01@<9'/^K46.-^-#8*-SXZ MHOW-
CR:/^P:T7X+/2EM9FA B|KC8NH@6%8D1.&0>8S"Z|8)A2:\$XP%X>)+MW0-
*_UD5N'*8K@KQ26N#W)Q#B9AW(CE>" |H^2Z>B|!\$|Z| M7M*_*#>|O%S5Y-81SG|^FZ\$|:,: G
M|8#NI7"91Y::KTW;E|9Q@YD|V0(-9=@!-C_.9U|SW;,:Z|HD;E8S_>N/^TEL
M"4:M9H,J058YH_Y1"^%SU\$;:EQ6H;71^CQ5XT8SQ|=C8|EU@,3:&|:."+*, MV|Z?3>/FFMWNRO%!"U?
K6Z2M)7L@(_,@7::%R,!ZA..&3)2?/%4F<\$|E#0)/H9);.IF4ACK:W^U#V+AC*,9'
M97O|H0+)|VZOU^+FB82X6|Z&0?T=733)P7I&W5W0HHEB!S6>|H4O;N!;G.@%F
M:QEV@\$WBYHHY_Y@LOVQW*:W>@CMIV/L^'9)H|"0O@&@YJ*P562N.0|\$Y:4FW MSS8?9WP\$F2-
/CQ@?LD.+ML-LY^W^VC*,KY=KXP)_RW3J?'2#Q1X?>FH&|%"Z M&^5"UHT
S9FDA4E6;"VED|Z;2|PIZ\$(A2W1M\$CV_A>_TC|J=|7+BU8/7*L>E>Y MT9TK=R=.)!+J1-R)Y.R
LL\$|L4AV>)R|\$H>?^|VQ6/WO?|OLWE-<#(8.SM MP%Y:G^%FZ^J*6S>|Z>|8U_D|>%0S|K|%|PI4|
8<1UE;*((+P)DUK9M@ MCB!SW.Q<4|4TK(@Z0.:9,Q|'2-FV|KB+JA1/*BK.S9? K^~9#A|:R=|L|C)6MG-
11<0|:2P|*D:WDK6(0 M,D8C!";Z7Y=6=GW6UY|TF>|P66=ES%B@|HG&Y24\$446J/M:IE"):XK"P(HU
+DE,^Z&132CORADX|K C"K(# M^XH/%QW&_Q_UU@-
A+IQ>_49#WJPE(RH%8*O&Y=4L@.@N.K)'T311.>3:1V+ M.9;6KAR'4R!Z%F&-'
2XO)S|50W57^B1F%V'9;F^W);,MCW95E&AW2W7)V_ M*4/=>%NW&UB7"PN.",'_<|W_-W;E"QSL.
_\$X(+?24^H0,+%|J?KO..>)BJ MJB,G3YK|&EN+!H1@X#;L:U2S\$37Q_R3^Y\$&E?
XL:MCVNHKX81Q|@*:FV_
M_AB|6;7FT1|V:P#6L<5/UZ&N./QSMN;H_5\$0AI=0M|*\$R".9N5&3A5L4^=DA M,G+E|O|-/2VH6;
<"KAF7L?9!:=.!;?KU#>3I&=O|J9D_|%(CQ#<"+IX|A) MQ:L0R3((
KR)T7M5|Q*V'MEU&L7CEL4U5(YG%%P7&G-UP\$0LZU M)D62TX2>S%6N;J31!%7*?
H&79|YHW.JUIGJN%3L|4&&WE9|_@?)>I\$ (?7I> M+|^>+M&0DJ1CL&!G.S59)I(BIES(-
|:&V\$*\$V:X@MUGR1NW"*UE,&0@
MD729+/COZ|EBLMHKAC7TL_@ZV_SQA%S!JK@(*H:90K>7B|F4U(-|V97 M@8SZU=?=X V+(DE+A,
(EJTD C3B|2)IQZ%5|&HX;3? W+&U63#H>9QU7::1#HVI^5 MK1|^93*=+|J|J=
<5G_XK3K+|_D90O^_ SF;KV:ZW<^)<="1Z@ (EN%5S+3T9 MF1N07M./O)#>W9|H|E03?
TO:QLVI#@_+/F3:E>/R^/?>#;:Q6|C2_%2Z!| MR1!T4)"34"4YFW)H79US!)GCIES'4+##2+
CD,Z>.N(OU|O*|TJO9?+E|*=I. M;,:_6#BP1/C"&H^J|G0@_?0:@A=Q|(3\$|C85N0?
^X">#SP_KL_N_0'|H9 M|WVT|W/_ \$T|U=9ZDJ)%G<_,=M|BZ4X8<@F=<*=!9ASIWE!QM90-(Y"@SZ;&2
M6_=7/D5/PV=X^RV|ND,V"JW3A^D?N7;93J:W^)|BE42L11.& M@|"T1.N-#"%"78;,*+@_./Z1LUP|1+?
68A|ZC3MH6YOTZ)M=>W:X>/4F^/ M?|C)FFY/IMM^J|WK:+/5<=|7= M(6A-|&\$8@%(4PTX|C5@|
(:\$S|@P|J -MK6=A|T=9HT'U|TY8I?OQYAM.+BO;ZSI4K+F@FZ|^,TK|6PA;P M29\$=4NLKM,@VQ?

M!GV>&UKR|7UQ|L@L^U%\$V8'35T4!&E|USKHCFB:Q3Z!U|*=A@6#Z| M,+NH8;V|%&5-
W>|8>KF^?MU>M-,V,EVD>?;290?"U M&55D 4'1X;3D=+53X3*V+M5^FJ*QUX4-CL>&
ND*7H\|Q?).2"&5 %'H@5!% ML>K/\$=|LBYPAG5>TCFCL0=;86|_-."+0VHND ;3OB#|^>TVU>A
MYWF9S;|J:|M1H!;/?;+.XRS*.);@63Q/2Z5S+6:UG3N\$E\$EIC*=33+.&F
M(8|X|K*Q.S|_4&FJQM5W=E?+F=_5>YD,HOB76J>8DW,5Y?75\2@|)Z/N?L
MBHC|DJ>+F^VLO|T>)(MM#(\$S6QO;:MUJM 8"Q@ %A4A)%&2QM9LWT%'&WH|V
MQALR'@2ZN@GO|_*QUM>';<#|:G1@0|M,|97-40P3I%>2)X>7*X9^..L=V DX7=U
78ZRG_#R;0>|A&'?;:QO%,%IT+!7;>YZ;I" T2H+09-" M\$/7TRB?DXLS1D<./,6|7R?
CQD8%'WF'^|NUL/I_110;B|5F|Q|Q|I+.)VEJ ME*|*8?ECEJ7XI&7U_==;3.;SLIOL^GG|5-?
4^A2).7I%R"O.8/*4@JE\$Z9WG0 M7N9ROSSPZ:K6XVD9-|?6 "F(RU7/)S.7MNPO)N"OTT+&B1W,7
PJ@XD3,F M)|<2K E&9.0J/9@|V_+YW\$W5N FQAL;2!="-5//7|5>;GM+=-8/(VKMG.M
MJGVD|5|8@YRM\$%S5,-A^R"?+IQDTP#::N6+.Y*(6T2OI.|^/"4PA6&%YLS M
V.S@E(%R>AD:8J/P40=) ?KABN7WHW'<9-*@RFH (75HBW|:TB&^S"Y)4(M: M:|L.9QG".3?
|H1YUJF^|'8R.;>&7U57'=XHX/2-|:|)T4L5C02' LH|VA1N! MUN3FXV6?HJCI\$N|C8C 1Q+?N&
M^IR2 ? HNO0E;W|RY|Q|JT^?#W KS3E5|U#;2+-MOV|H M53>8\$|4P)4CNM@I?R3HCD?@
2B2KZ>%;SK;>WOL8+>VTV?UOJ'7P<34<|_)Z M^6#J|>.>F3ISJ!%IF2V"8*7")S38YZTS7|T-
Z.SBA=:BO M G:)PRKV-.33QY7<2CEK096W"SO#>ZT88RA|G4!
M(*\$M:0N!!P\$Q.^ ^DKMO=6K=D/J2BG=:J3T&M#*9+D*>1?(|UH?#ZC|_O/-4N M:5;'8:E8-
'D=K"Z2\$PR8YXD|P9)J;X8>2N3(8RL.P|KC.FH(\$76HG=:VZ38
M<|P^VOTYIVJ@/:AK936MONGWO/PR2W3Z?(-Z_|=/GOX*R0W@-! MK:Z4E)SL9T|OHD"E&%)
/>#B3Q5&WUR-?=2GZZLKG'^?E4^3 MSVL#9+J|74+T<78YJ>KY/<|GJYS|3WF)D|MC=-
CIWWFJOFMZD:Z|>'7WD"X M3H^S*I%M;NN 7TL "ROG8#IXFZW3EK6VRQZGHIU|HBE_KM?
IC_RU)DQKB>NJ M.J|*|NWWS5^N'J,+D3/G(M7B//3D:FDD8P.MI&04:N=%X|S-!|H+|^RG'
<8*P|HO|",Z-+|/2)|)U?75AG NO<|9%,C" M%U_.,WAK)2 OV7@KC&9|O3C/B/R'+OU9Z,>G;-?"
V,+O|YAW"MBG!,9|!U MVY%B+D,0\$<\$G3DS10EJW5Q7P|L+H|H9";IS5P^FGQ|J|GK5,Y3Y
S;BG;N>R% MUG+I\$6+U(#_KG RO7"E&&N9@D1D@|)9@W-2\$3""#U)8SDKK'19/D#.N2=I,
MY,|Z4C^|P"EZ|5R=E5+\$;X=:?OJ&F>"RPQ\$|8*NG<^ (ALZ6'\$^|,V3":WA M|1)G4J6-'?AU1#.70
JX_SV=<|7W|_>%G#7|4PYY?JOZ_(&=W|=-N!;84-9BMCASIOFN+_EF>?Y_CURR3B
MY=M37^Z|,CHY,KP\$*_&(LA|BR"||W|Q.> |!@!XR51&@EVUIK+8S|; MLVFG,3EV|S|*^?
I|>+Q02GI*O_E|S.DJ=509'7G77_#G'E#_A-*Y*G|=9 M'2.U1QT@H?!UA:.*
8),!5HRWUG#G|5ZOV4E4C BJ-A"8C2*/#FSP)_3Y;W38
M7^G&+BXL%X4YZZ&FP\$ "Y:@0Z\$2|J&:6IC1&|I3_?>@:=^;GN8-;S24ULMY| M?UWO2QW|I|=?
Z3)5#FT,N+EPJVL\$_'&Z@"(W%iQE&F1.W)(UJ?;#_V^76GOR M2T:N,&HNS|D0S.U 1|V;+5;URYO!#
(N+Q 2FNL(X)IE)2=)M3-R2K/G.7;#T,|+E+P7 7FH BEJZFI"?K<@)KSH M6^NE?
8D;=T3|&|J\$""%U@+XWB2|1Z#X^E\$MG< G <=>L:=C'X&&ZJ1*#J
U:;9S;|OXB'1HVZPEM_\$YIN^|Z!KOR G>|P:P:RZ;L4?^UD'9.\$_J#WU
MT^7W:@GTPK(8+0L*=#2F3J"5@-K519WDN>1HI=QO._."S|X/'R|S"GXR+T?&
MPI;NC>7WADQ!>JH_E#?3Z35>_I&_Y>DU*5.)@MB0(\$=|W!&2E&F0 9@U3>N MK,SWS?!=X-
CKR_9#R|N+>P_#|=-37JZ_DP|I*/+_DIY=E3ANVD(:|OOJZ M2GS|N_S<@=* RK-/36G-
V>'GK&A6K(HY0(EU|B(+ M!7Q)'#)S3CJC63;|SUF15_TGXN0TIPU+JZ6Z%@9=|EOND_V0WN%EK*
MZ?MW MBZ(.C5Q|K(.5;ME46Z,"3PZ\$<<0F0:J(F\$->NC%>2!6R-??3 KL4J|!\$=CN+
MY1",W=7>_8AT9*.A'2|JM/LJIC|PF>|PY4*G@%E8!|EX!DJ3|15.07H"<|;2 MD*VM|
|!%&!R=T'(QW|L9|KD@+9+R::U+MQ;BL|F><9USD7Z=U C|9D.L*L#OL MR<+;%6_#*PBI@&WM,?
M5::|ZDCQN(:J |J|^M|3(%IR,Z0P9D3J|J-&D)"E5!&=-Y7>V'-+X&+^0X MW
WN>AP!@E=S&9ZV&S>B>+>F^2_Q&IN^<_|^0-G8=1W6I5Y|W4|PU, MDR6S
|VN|\$|K68UZM"^E.4+*2/4C>?0048+>TG<;ZZ5IVU0DLAP*>40%DN M 6/D\$!4RDP0/5K8NH|M-
25|_FTSO(.N:=&D|+AC! MFY(!MWCOR%^*7*YS_U^KZ&5M2YL& M2|R1SY(C8,X;\$K,H0G(J-F|O?
XZF<R")YC9*[U+,SG:;L6YV\$@&?A=8(X.H#7)|S,BTWU|ON|O)G
M+C":;"%BJ"NT)>ES)20XFX4N4COE6_=N|B2D-R"=(NO| YM.9OSHBW_^;|S_UO'G=82L-7K %C
M1X;%>|S*"|H/9|C<%I5#L|\$|2"Z|A^%\$W?::P6 N6AN=9=IK4?@SZ'B4@/'& M\$)XJT5EK|HX|U)"#^8?
I=@JPD9(>7E>94(E/F01>C@|S9M%+9>O_|9%+>?#! MX|FD:|FK;C6B?)O;'F=G5|U@| M3DU?
R;G3)3|;1 P=-.K)*2B961F4DN")#V.BI/!1JX?)A.L*|I>OZ%C+8<..MI!FWW?
H44#43Q8LHKMC|Y;/7/%|5G?R1%|>\$C,KW.BML,KVFV|^=C8|H7VZ
MV5>W+|5HP8.A*SHDF6PBU^GM/;-:;%*4V*?\$6?% 8A766Y|9!_*\$J.HX94NY2 M"=|Y0(YKJ#4-
W|S!0E:HE&C(BRU)|;?JY)#C'TYF7|_M4=AY8+T+*P.WMZ; M'2!OKQ?T@BP66R-
B%3+))RGM08X(<9*Z91D;*B-(IE5UH+QA|U7?R@#;FO:-
=ZYS9)YS!5I0=YY'7WO2ZRQ_% "X0:&Q=;K_!P)& M!E(|P>|V_X_@|MA3MO+|6YYOR-|F9K**(FL+3-
4|9:Z6|0DZ"#=|N9|?IQS.@5199%)#UJ@FTD,8DX-M M8/2\$""^,5|A.D?.SSNW#@3A1|S|Z-
+|^ZA.#R_N|A+_SP|M8|W"BY\$ _GVLABWRRAP,OMPH#MEB|4 M9";%#S|7!?
1*:0C&D:V>N97H=11^G|H11SZ^BU4.)XJ^!>9D--=> MT6GZL/R2YYMCA.QS-C8#6XWQPQ(@<)>9
>Y9D-H8%U;XJ?2^*S\$?S;WR++K"4J07T|MJ*\$4(J8Y%T9(XPI,*#QD)VR!H
M|+J8%C)|\$B)',+B#5VFU\$FNQOC0_7TZNZ*VM)|HI^M Q2N5!F5HBR\$(-'UH' MCA7OLS)(K&O|
CU)4\$ _P.4;>LZ&8WP&2;A(IVYC.YABYD L>DX>@/%8&24!A M%43FA)+)"ZY:YS >
(66);IU!T-"X1W@9J_4+@&>1X<"Z 2UC%Z0CR=3@<0S M%W3,PN)>|9QCE.T,YUF?.RS?
6E(=H&|3%;^XP)31L\$PZUB6ZB<5;"&T;2'B MF?31EH40,/D@EF|<|O)J*FT.PTZ+BYA!A=1>/ M6D5?
I"4_H#+D"29LH1|;|8:\$|LE9B\$JO=W2X>&97-34""?SY>.8AW.|.M/QL'FNF
RI8",>4:*.G|J|H:*)RXPT54.!""HUG'B33?>*9AS"X W_N|:(M0T|V\$=B@L6YF%W45%P(:9|C6R-

F#XHHQH#GC6\$>).JHU#LJ#P#W#P=BLW2
M.YF=:,:>5&%KE8P%L%G\$PMY'EJ'UG/G3H^#GS>2>0J&VC'-'1JR_P:X2E
MWY&.,ZF+^C9^#KWIE5.1B@DV:Y0)%>@A+,0PB\0,Y:|>P=2M9ZB,K3%(T3
MQ1P,30W9WX%BVBO,HK"@L4R#BY(1#Y1:"P:I(ZIV%@\$TZUK2)J%Q\NJ&#C&MPAY,4GVC:Q/6O?
%^Z4H6FFJ\TFEBQ/*95A**0<.G+R.'5J10Q.M1\;^T#M%3!T\^"9YD%31D=-'3!(3*.02?-\$!\$GI1G=PN?
_S!%R\4Y;1:U\TW4Z>0F*S1 M0AGI#@<*'NMD0V+(PSY=)PU)ZE;=M<;CF*
(M;BBB4Y\LSW3IR\DFI=8UZ#< M60=4-YY,%_DB,&N-
UQ&88(8\A.!0W)@%6/)ED1':JTPNQIE7715G5-S#B"P M/H\X55GX\VO>E4VWT?3SZJI=6*(=F1'\$)E.?
AJ!?)=)D%T<59732YM93>)ZB MIXM^KK."KI5P^BDH^_%
(OY+|HGX3*O)SE=L.J\,%J00AUZEKE5DH@?30Y M1W+H>.M,U=,4==6-A\F3A)0%PKN;
I-9^FMR>5F7CTWFE90K6CJ1"X;@P=M0 MW3:?(7CDH+TU6C N+&M=Q+B;DKT
9EX1P!H(9'QU5@W8/^C\|*)?04X:<:/@:12797*CE_J M5#5<(C%E)O5+OD
G,3'EH!@EZ"1D+GJ7!?!@O=#&">_W B)+J+% %KF@+*K(((5@\$F94.M7GK#1.MUEH?2N\!D7T-
2X"Q2I,#8NV57M5IWGW9Q\$3(W)3D#J&.=UQ,1/!HR M8IUQ@:
MDH#*)E 7Q4 O) 1WT)Y;J7+%I_91<>&%M9.A 8!W@X3-Q,V"4#>)&AU= MLJT-
R@&/LQ_@7U;H1=L"1-9DNV%LAZIT+'S_6YYIGN/7+Y/X1_Y,?I&V M; F9+QFB3_F0C.2_/2X^6Z
ME1*SM-HGX)'594)*UOFB')O0F#TGEJ:J7/G6DL2)>#E128=O.O%5B6!*@K14Q,MA-
7L)*^@BER5#92W4I\Z3"!BOX\218&>MN3PB M5.+LFDS"Q= _W1!!I^R=?>R5F0#*E<"N>^)?
J>))":LXN*IKM)%CO_V>2;M M_VP^<0V-S1\ND7'I?
2/"H(W09B=Q<.3YWV^NHP.3FY"O+PE)^'SWZ>36DM7 M;BV-3&%.GF=-:&U1%E LWS5>
W\$;,\$P!&=?D>V MQIE07G)6-AM2E+;N>8_.;87 MHS_ ^*WC=02WA<>).P@2/7S M\S^_V5
>19"ZK,8+*0UUQ">@\$ FD#;9P;@)OGJ2\ 29Q"D_:(^)\$OH|B"PF M^!'CI! 7ING_XE?
<#DG0D3&CZ_A873V\G LXON@71VPHPK 8\3Y/QV-?.\$X1 MZ\$ /1A,N=J &-M;C(
!+.,@0I.\$=6V3EY)!;G*.C4?LWSGZ+|I_O,1I+;.;I>20E570_(F4NU\ \$M:19R8T^KJCAY.C1F)Q"9&G
M0F^Q:#Z=!'^ZNFU+;0.IYJ+I^&X73!HNDU5@L*KM8LGD,TA60BZ.B5BT-JUG
M<#U%SI@:J\WT#X#70;+H<*3WCWT;=%(R0ZI6.JHWCD^&'_P5IZ;"3SM3HT3X
M'YF0=QV7U_.,R9RF3=GOF\B S-9&.6E4\YYA<#^ MY(VKXX9!T^Y\K;2ZN_Y_>% 59&OTGC6:{1D=H
L49*/+02\$60<74L2LLRJ9 MM6Y6WDE(+|GRQF)_8/F?
*H;,>@)UQB6A36>/&F11&VK9A""E,"0):45YZU MGK'I""D=::KCA/P<;(I@^,B:IWJ!/GO=3JXV;?
ETM3I.)\Y9-NG7X^U7?-*MUJC3FD*TVJ?"\AE" _IQ MY_=DFFZG "OD.I.O41=/@2*G\DOGKSE)#7!(-
D\^!W@>2'#QW2-_:!L?S MJ|=I@)Z\180\OQ;OA,QT864IR!^<)|!::!(I?61S+V212;TY@?E%DU?G\$?H
MZB4(?D9;IH6\$.D=>?%12PV<"<"%.(f%07L_?Z8=SW#(M;^9<59>T M> \UK\$JOJR-O-#H)' +F,)
<3L<9^ZL'V_KZ-WK"5D!F-Y\YKG1Z9\JP?EGN@HF M;I6#HPN@G_953%TNG!2\$R 2\UUP7M\>N\Z/?
MS4=XPY*%P#G5TVP-W(-T4M;.;YVNZSA%!A3&@3>*<9,MLZ9U MTM MT;B;DG\$G)@X.M@;LIT#G?
5A^R2,'0%I<./)D\$Z;IX_*JBWU3\|PWH(.1V@3) M=&C\;CY"RKAS\$0>'40L!C&S!
IQK2IXUD2I(7I&7*|/1+LB\$#>N"E*^T,8^K! MKK@7,?|P4+O\5\$9VV">_XF^#;_,
IH57;0*0KJCEG2D#;X9PJUB#IR2\$@KW0B1R3TOSALMG2'HYA0/-+)@3Y=(!
MS/ZD_ ^X>RS:W3A3A7Y M; C^=P"DGZ^ ^7LZ^Y_P\MSG;A4;L83>U#|>!5|+5(IQ;-I@PV>ULR_9_U
MSP(_0LJX(&HDZ/MS)!IP??PRE#OE#W2U'@;F5\='SP:X\$Y8;7Q^X&0\4HQRP+>.^|2UA<|/|I
%>V5*A"8?%#.0N"VLHIT=;|I M BH4;U)B5C2?9JL^G*XV=[C&U"2:@WU&T;|?L\O*7V?
POG*>+@J7D2%>' M?!!2R8I8Y9)\$B\$X*F5!HF5NWEC\#4K=6U9\$8> ID)PJD4WS5M,%UED4;%P;U
C=T=(2D4P6\|X@.XOK1R/F:YY-9'2,X7PY7H\F" M0>6\ A\KL4,T\$KR3-55DR*6)4;/2.N^V=
(WF>);.0^+G&*X?C1|R",*L56)*M|<|CM'14Y\I80TVX MWT_YY"Y6O8EQ?HV7;D) 7J_7N?+33J6BRP
7;GCA80"1.6 M2K*F*)@S>=-M\ID=91\6\9WCL3I\W\|ID#^GC-;#U+'4%>X\!/=UG;H9ED%JD\V@
P0.L9_ M4I|/|#OOI\$*Z?;#_1/&VS-\$)?|C^|I=IO*Z4_3G\B7L+SP0:\$@-0T#4H%|P M<-E8,-
P)9PJ^DUY\UA%'9D<0WN^|455V^NX(^GJ^LCX^;W?^0;)*3_A%|X M+2-
SZ,"IS.D*|P+>,PYHZ,XZ\|F'O<9XM\|C;B(I,N#.#.D&0GLOH\G>X\QV M_WS+K2N-'WSP,17%3I-
_JLKAZ+SA/!7(RI\$+H&O*QQ)??'."J">*<8.6+_92 M.3;7;=/&C(I5
1F)\$N2TYUMOL#X%58.'X*F4RJ#Y%6;^_M34&C M5LP;K3WPH"0H\$S4I:DY6,@9CI9TSM..H+^|,1,>
(_&\$9Z8#|P-@&|*%=32\$* M+X Y03Z.=0F"C602N))44.*P> |P>JB?&0@01_"K@R?H+5\6.K%/7W)>_E;_
MZRJ\$516C)W-/8034GM'C;"0X2X#5K*2BH\<M X1\$;+RZDD/L6B;2*)3A&U
MN6\$J*.4#XR#1E'H2\X\$"R5)PZ0W.=C6Z>7'J1GW56HC\3T@= 3K1WY_5L6' MJSP3?
>T\$P^1RY95N\|OW2KC(|N&V\1F5QOSO-1,Y8#?|I"28|=|I.27|>- M8Z0X&X*E'2B804*SUI#//!K
H&J;AU.|#0QCCN-TF\$=|_N_19SG<,Y;2*@W MU.T5KR_&Z&SK-&)>2)-7I?W;07%.G\?6?+N>3<+V-
UJYM7RNT\ 1O@&DKR0A@6*? <:@SY!-7 D/S M.OBGZ\G72IL*,_?U7#;)=/;&\$;IE4C_
>K\;=X5H7A3H0>R+|HK@D->U+C37+ M*W*R@S@\$>RB9%Q\$M9/T@Z?R9+9W"9Y-|\$(+NA1#^
|HW,DEL#Q\$ND78QC\ M3+'F\$X4?HV5LO_%T.3|+G2.8/G;B\|M\^_MO/CURN3;A/8TA;.;5?7Q=1(Q="_
M\|C,)?8^O&GE_>AN!SH;C;@<;Z.'M>H>+|+6FB_ZO+H3_AI>UQW8\%3)D6I+ MFG"NONWHIZ'2HP1?
#;7*;A6H="SF,PG'?P+;0.X.,1E97OU\?+B=KAM\$73Y:W MUV\|F\$1:.QE5QW2M')BZR\|04U-8;
<;FXDS>I^KNV2\;W;>7E6UY6P7BFL.M.*JQX6TA*?!.|%|B\! ML|E1V?B(|"PP,Y%L)"%;#M4E9;4-
)O'T\X6Y;>@HH'2?G9Z%S!-,|_-' M/%UL|M/B1Y-M^&(^&3NR0\G2L7=+)
(Z\5\$HPMI\$NS%M&V+AAXCJ;>P'2,Y_ |M\2W%T &L5B6K-5T^WYDNWWU\$507F(&G;CUQ_@^T^O-
F\$LA9 BMHX>'4'F MV)50 X\O:&%U@,PZ51B\HVN;NW)92*|B6"2G52E= 'DL(%0AST0P9QYT
MX@V*K_||L!<C,C\|*!T#\93;/D\|_+S1PJ#+Y.BZ;A?0HXN60,09\$ZU MTM^GTGK9X
_B.@;1.6*>M>1Y\Z A'N3%O&_7_S\TT6R#KU1J1#1E8>><@! MC06/(F&MRA'EJ=*|18\JGGV\?|L/G\$-
DIT?A%R^WTCYVQ/E-CL)/9UH"CN M.1?XST_\$_.MUDIH;0Z>-\$D).9\9)%OSD(0W ?#L'19Y;2
5KNA>D;J;)/BM+2FLQC;-<|1/5DP)XA\|S@= M(8./5^OWO:|R

7I^P;8@4RJ)K+WD8^L0Y'Z4[84N]^(>O '\$TA/8?L[8&VS6_X?G&[S M.:6(A1NN06@1ZV!8#:B"
!^M55H%SG7KP.-!!(ZKV(9 R&,@;"ZNGK#XZ_3K MJ7*QXAC?
ZG!R;Y1)\$4K=D:RD,>3>F@ "F^KP*92*/92CD/22G\$YRU!\%C<#M1 M(IV"2VR#9#ZS%%=[E&J"B-
4U@U)X\$ "G'Z!CQ*:6.=S]!SKBQIG!=8Q\$_.@#7
MI^NPR/[3:SZ^10D)G^T%L!&\$F!4P0R8"72FZ6R:0Q>!8-MY)K47KLKI'B1EYWG,+ M43V/GR/XWA^
MD^T%9AL3%!D0')\HZ-#R 0ZLA =)J9*\JGTNPCI#CC"/EI MZ!S!\0Y@|XA>OIVW|-O-
8!E=,DI)Z,;Q>A%5G7KO(L@C"P:BPE6#J29N0=U M>P',O;C7;2#Q| N\J8BT./LIG?Q/3A>&LR!4D)
#\$N^TK\$,^8@3.,6=+?H=H M/|@J+!^*ZZ-
=LCHK|P">"B/K%W<|77R|GW_/A=UP2|^MTK3M_G^>1I/*AK/[R MHJBHL=YB*|, #A9X!)D>GUD:
(A"6YU#H0<3+17?:MGPFO XFBV^VXQQ_Y(B9E M.1.IHJV.IP@!'.<<(A"/)&I*\$ /W N,N6GG|P>Y
P^U'"=^JV?YK4YLG)DIBY MV/SX0|B.?LEN(#-@7Q*|+'X>"*"# MB*U|5-
/T@BXN"C*,D9.UXWBD7XJBVZ8|9.NY+<3@R%N06-
V7MBYKC|5#C|Z.9)6:9Z6S;CYI>0^RNL SX#P^|T33)>)N M?M^Z_A=.)NF\$(EXJ
M0W>P_LYQE,"TS\$X8J_B3K2V-AH+M)FZ_6#A|=8AL(:N>@HAWCK9=6//+=?6H MMB?
|X40Q&_|ASSB^L%|'\$Q,%BG<\$>#:\$V^#H6S1KN2W(EM*X+;4#V M?
M!|)7FZX6\$S"):%XL;S@+N24@@"*RDFNP(7 R"R@ M,%HZ@|HRUF42AU&X'U!?:0*GA=1>
|CJ:3|=75SC_/BOO|_G-0_|^'*.9|HW M3*MJ#CG|"(MK HLI(:E%QZ,"523Y1B9SB#
|!%HH(T3.G&BNABVONRH.^|D!
M/#=D;+8|^DQ/!\\$ /F#1U44L6X*4(\$%TA4TF\$PK%UTUL3PE_.*IO#4/B|<3"T
MC#LP#QX9L<=U3CP\$*#|A9RWG24Y2%, M|P|S|H8=-:Z|QP;0*HH!&P"
|*UT5\$W\$GE6@J+Q@P9#;;QC+H&01=>6'J'Z6#|*1^R|;YQ?SZC+4|WM+ ZP..N4HZ'
M0065G9&66*=LLG6NB +DE,'GG%D46E@|2-'#L5T'0T=E1K33VDN02TB^S|N/
M>3Z9I4F|\$X.X<;^D*,Q&YX#Y&O#G%LE(:!8E-)XF7)SM^%0&GMS*\$Z&R;- M;"BS+C'Y*
<^_36*NA|K(+D=IA0V2 +L3.\$:6O'O|28)Z0UM+ M+ #P+O&,%TR7?*IW675R+%;|N8M88Z|_@?
6;K6XH%(^00 M=)E-2|E_UIBGH M?L^*LZ-%TR70MAE)LJ.OY|/_=|H|+LC|LG19,L18FW*R4!!
<*|XX24D)84; MWOA|G+XN6E/& F\$CL1T.2;^&Y#1_QN7FOVU;B_GE:C9?3OYG&W_ :4457BYN
M&.FYL.18%0@Y2W+|P=T3H(0416-R04C|/%ROYK\$Y|ZYBU:380%W!T%TJ07O MGO!#^1M.IHO?
9G2=%A><;.#\$F(-4>:>*<5D&-TFG2)ZNF\$V#O_V/DK>.,? M.5#RK
9L(I)1%>"^A_M(EWQ^Q|Q=D=KSV12*B#K),SM%"1%+UUX|1*2!B,2IF; MH(?W/O:A=!QSL4.4-
A#DR%M-|WV%WN8RF^=;/>;F|7,|QJRM=K^>U>&3UQXLB
M@G\$J9DA)L1K|!"H!")#""E23H^CY<<;G?*WX|46LCTA|0SY;Tl.!|SIO8\$+_|ZO)=
(6)S;|GET(,?/(DG)W)|\$ _#R*FY+818/|N8\$|GI|'M&YWL^/'*^&8,0;"RG65 M;O'@N#1@?
739""3&=Y^V\$U;|V%8_GV#<353.6>O>KV'WGR^0L9UF^ ^Y3E^
MSF|6B^NKKZO""^+|O(#^;HD2ZV" MYXQ.9O@Z>2%|,4H'FYT:OM&ONRK=|JEC|:74)?
3N10NVL8+)|/NB%5E0MUR M^PY8JM2&PMSK.5|CN M1ZJO"MH_5+X;:Q)3 B'3\$PFJ_H"*G-
(H;\$C22A\$>3,8:'ML'%RF?L3ZT7W?
M+=78:94#GPH=P/\$OTIC/,B7WAR31)Y*!"*|19XBN!PKIB0UGE1<0R? 5T MN_/T5L#:GPG3"
NOXEYL2|Q_FTT_U|*(;:GYLS_GTFX=T56E\$ _VKE"AE5."D'#P&9 M(ZZ8")XG|D)R*;5C&F-
K|@^)^NMMJR^|(<'R|WG-XOU|4X9#U/<%8V\$=J| MBW2>^,XS%=SL>^H1BF=2DEHJ@V!\$G=F,+
(+(9)K|5%6PK&UN5_W1;/&&. # M3BH#LUA3JL4 &F\$@E\$!7T5AEPOTZW0|MGCD95:
<5SQPBLPZ,C4>2^45J>H)\$ M!%9|HD?*U8DQW(.SL;=F!|2: ^2|_.*9@T2_7_'(7+H\$DV;A&H./AD5!6A;
M0Y*<#H,B:6!26QN#T;'YT,|753QSD)SW+9XYA.D=@.?9J@WI?;&|M ISE#I+
M6H,SY,RI2"8J2R:FYD/E7VCQS\$&2/|1XYA Q="K8^HQ9)UCKPH;_5ZBF=-.=0PNH
C_L%"&*="YGIDMFL|"(C)+:"W#(+B MJH3H8CC#_J\$77CQSBCW67DI=0N_=%YS6-#_.7%_S"XO?YG-
|YNBA1)B^S M|T%')56?9.3)2\$K'85.7G7VB\$XGMJ74!1S\$'2>7SXTA|R|1.SN38<%\$W?&
M*_"6S!\$E3-(7Z4FPU@B5C9%!#+|OZ/B%E&?2\$XC|(.7):Y2%B.QI-
7U*P8!OZTY@Q507V_1^G019:'4|5;^=6@B!U9J%VJV#>Q>8V7.V:X:20^!A4 M95WFE\$2IEGV
\$K+4@8L;9D)% "V\$%VGNS%OV7?OD*N_)MC\$B=? M<;JL(C>;Z!G-
(.R@LD6|=HL*)DPWU(20P_%GO?:GNK.1H)MX,(MTOE>G02 M|8"ACSA)%YJ.XF-
PP&2(=*YHP'/T8+U8|3(' /FS&=IZZW.9W2(BVX3J=- MWIGS=L>;8:LED)7BR5!|RO. QU%
2NZZ)2#XW;XLK6=I/4V'6HD0)XNMD|Q M>'L:8ER>?)Z^NR; *IO|GW.<+BY7DMZ.<;O0+O\$4A0'M,|
240#FRMADH|1 M))& #'T@=00%>Z'6O'KV#";G+5W|W5"YPYQP3&1(=\$%2MG'99<^ Z*U|XM#;T
M'AW0,ICJ7SU(3Q?;B<'4GZ=#*=DM1Q|,= N|F;KS(4 SVKN1\$ L#3AL'=\$9T
M@JP>S|Z7C'J*TMX"J">=+1#637Y=Z|^|+HK*IGHRM;VIVQY%W5;#+\$)!\$WS6
MQAHDT MT/\$L(\$|35;=)IP>'V16F>'N|H'^V6+R;787-|. Z;/NG
MR;>|6\$Z6M4|B@AEN="@.O&>A+B7(X(R4P&*1QCD9S(.FH/T24*TH|\$V#H;@
MC@3=INTQ"P|FU#_O6B+X8B4D2Y;+N1H-J|F?I* @7E-/9U2SQXJG M2ZS|_G
HF7%10.6%TNG|0%"=@%2+2U,(0CS8%I*!VON1L@IG1%M1PNH2|@| M8-
PSR0:&VF5F/5GL"4%E%P\$U0S""H9Z "DKMD|9D).B.V3Q-5 MIP'|_S|(4 FI NE3LDBD?\$ZX|,
HHF@71V5Y:4180AW_4D2>TTHC:DSCQ9A
MIQA=7;ZK/\$V;VD&GF0N* @|JCKF2Q\$<1&2094K!B&!^6/-/6:&#HC"D|0
M4I7<)|H="C8D82('QDL&560@;Y 5D_X%EQB(P<.7,QT)T>0'1I* M5MW6@=R=4+:NDC_#
MUWB<*)LN5=Z;*&^O5CLFT|_E8N3W',#9+S4T|&JT L'@Z(\$5J1P?|AZHZQH78WU2|K7^T>G;|A
*=@&CWY M89|X'>I4S1/TFH%/DFYP78^66S089QS N6-N# 'WCO01O M+;VZI89>9\$&P&#@Z-
&A4Z|OD-/RVY8X'?|XDYWT'?|'|'|^QD21YE*#B1)U#S5P\$
M<*9N.^1")HS9B|PZ4/T'!WP>)/E#|WP>(H8.8'7,S\$A7(A9+SF&BOA'|@5I ME* @Q-H9\$#6YB*V';R>
9^G@&|H876_QZ-LC96;|2>Y>V_IH_|K-FH2,&OB MLH,<-=U%)S4X5B('HM2/'TWAFS|I?

3WUKYQJMO-"QT>0|>WU/S(#CRP|;6 MH-7FM2,=984 *D?)\PDX\$@ M72%^&&#|XV/E102>B7>
(>:@^?EIA;?Y^6; MJ_KB+O|(_ZN3A(2@<)GEXB(P|,+H>2UK05SF; M.)15I2)&"<%C|,LYAL*
<:%IU//IU)@V|@L2>R<,#Y-,ERC8:91L+JL(X!\$57 M53'RZ|GLXY!3|C9Z(SYUTX>'B+G?9.'AS"|_
|F|423MBL#9TB%P|*" VH M |+|*K)HTO^EM!X*|T*3AP=)_M#DX2%BZ!6Q^2C&**WSGG
XC,H61BX8 OH M;%7Q,AOC6AMPKR=Y> KXAA96!WAL&DJQ7#.7F8>(JG;;Z01.:P19A\$FA:(MZ
M^)^4#_|K)PU.LOM&PT.4|N)G*?*?K;?%^-HVKUKSEA177DH0?\$C=6TF|N|A# #NKUT^=L\$P^1R
MLIS4@8V*^,JX|U00D|U5B|!*" :LEMU%|)I5LG=|G>H7J|+&'P/>9Q7_J\$(<_M1V|G1/?N>Q:B\AD%L!-
+!*\$N E/;&.'LZB=72,M:Y9;T+X*TK"G1|HX.@ MGPNP5|.LM
JCDV0)%EO#TU8#F8B|G"\$M19:L9#|!.=.1C^Y?H1FRSG0Y\$/GBT>
|TAG2BIW(K,17JWQ,1ZZ"#YBR+%.CH6 =P*V7|H92Z+CR(7*%-
M.IUSU>0|EY.'OD01!VR6NH4>77@W3Z2I2J25^?.\$0E"2'MW("H1B#03NHC+;
M^);)V!>1K:XD>#WRPD?(H4NL;3)\$VCB@9*U|L|J7EG#P&%(Q!I3O(JEEK3^
M*^>#\$Y+SOCGA0YC> 7B>349:Y))':2 &67L%Z'XY\$R4HG91T&CG&UB;!'|T) M'R3Y0W/"AXBA
U@=DV8T7) YD NX4L,5VM)UM)8#)T@_S|L>|N!*"YNKEIW% MURPTDO0TX: MLG(DC(@%?
%T7K"7Q05IA0Q@^;-/D*"|Ox|!'5IBX;6^!;>G+2I(*S.%\$V= MF!T3!"<.<.)%,I%;#,-
/2#^\$XMY2O9T!_#C)OMQ\$V;I2;T=NY*)\LL3\$T!_M F2,-?GRF?
AXL|1|=F>I^ ^#YL,\$|U/;ZIP2&*.S4CMM4-4I-#S7P<8.0|(. M9+3"U=1\$*JW+&SO-
;|S|YJPG*|0%*4F1*;O+&% O@=?2Z<"Q*#/18O(+LUB&(M.B6|=8B|.C|E'NO!|ABXL/7E|H)<%7K-
&M3'U*GHZU3;5L7L;ST|-9!@M^S MX_\$*72)I4W\$D|_|<|X\$\$\$J|>@|.)|)
<.:HM%.,!DS5;/I7SFX=).=|LUN',+T# M#R;5G'&Z|4H'Q|J"C!\$#J%(|JA83HI|_
+8UB%YH=NL@R1^:W3I\$#!W ZE#G M,=9=EZ9D(*7M0"EG((28@;'"&4;&C|Q^7-(KR2;<|B(*;
<^87E|A?|Q|!W MZ|1Z<8M;->Z:(|>_NY#6*",Q@!|U'1LZ3;|*R.#K8B)/7ESDK;<+#+:8EV#|
M'0G|Y^\$^AY>X<5X|+^ ^2%+\$9.N<'&|CG>8LB"?\$&|DX#^BUS?X,9:/#'.XE
MO!%|7IPV>'FYL_">C"P^M8:L|^AN&H|B.|\((41(KR)_(>04\$%P*I ?@0X"
MPYH;|X74@(|L^;J>3B.|P95D2M&0&#W."F;!QPN"9,|5)8),X_"M_*|@PGL(
MHDZ)|X|BKPXLJD=B3IX|SYV5M8E/|@#(9P443H&3.?!\$A13U|3.YE17@/\$OQ^ M\$=Y#I-EEK8UK87)
(@BZZUNC4"Z=CYF#C%JE4SP08G6&|-?5(3W(#GOW;|P M-,|, _SPI2TEYGY!+*45?6\$|Y>*,|_
EM@QETTFZ@20@O+<)|D.0/GFEW@!@Z M@-6AWJ92F(64'NC*%)="1 \$745CK"JH!%;>CV)NO<
(|RDOX|!RZQ.6=R|> M|Y|SXW8%)|Y|_CQ?5??>.'9W_8BHPP)|@|T95=/33HDH4D!4:+0FO=NB/U
M|(|="<;BD9 |)+U.GY>^05|ZE|>|, |2=9"+ECJPL@(*+@!|I3-\$=\$I?=8, MRX!G?0DO4?
7K1F:7FY8^4XH|OUL^O=/C|U\$#-|7 ^.>|5Y-O|>^3Z9W@UE
M_OLDSXD!7|X/DT>CN0S;9/Q/;18L>"A>!E2.##;BF>\$M6;IHL3Z>IPGX,6
MYN7&CC_%+SE=7|+CO&O|TV1N|\$%E;QA@,QAG1R'4,=* Q8T"DWT:(3&O#B(MP)<3/SX\$5?>?
C^%DUH&E|4A,"SU/P20#WD0'BFQ""%84>L@RRU(QH4/KF:T| M1I '%/U^,>1#Y- EFC9!+99TM-
%YR(S,(25X|3|B&48:NU<4H6WG@;Q0F/(TG^ MT!CR(6+H %8WIN|_
|P^MWM_RMWRYGd)%_J71,0(3A2P\$SR0YF#R LLP;&TJ(MOK7GOQ|EX_KIYWL!!Y!33^C|/6-
E5+VLBQW>U_K>AJ("8C"0""N@.+ \$N!;F MSDOD1Q6+;_U,'D3@N.IN"
(0!|L+FXNH)B|_|OUXO%RN.|8U21P^DJ4!!7G- M9-=E5YRLD.AT%+ %G\$5K5_) ^M?8F8+|(LGZL)VU)
(/GVb/R%JR9(PAP+4 M "A;_>LG"P07D2")I5Z|_|I/=T@R*1&Y/65F96+HFM!|B)S1EE:5Y
|0)2*)Q"5Q*/JMC< MNJSD6: +&! =I8B;%CM=,|W*Y72ZK(K:"8VDH*W15Z6U>|JBEA'2F3-|LV +>
MK63UE.PX&@C|P.P K70 M%_F"YQ^6B=RKF_|XB-GTH.)69/!#Q(|: @W%.BN_?3|
MIEQD4R8RQ>7Z/A7<8'3. |I9D=N6) 0E')A@K&(R&A&' +X9|E+QOE|R=S@>\$>
M2F,=@'\$+&Y|_|.">GD==Z5>LD,2(S.;|,*****N|_ \$P@8ZW3D8|2TUM=Q\$XKHV%08.U5
'|L|7WR=+TAA=RZVN|18G;."DSXO/+61 M? <0>K^8?B/!7-
WF=OIU|P^6J|@M<)|P6Y5=X+ #N0\$NMINF;Y M&C"*2W(+.6?NOH-^OQ7MB1^_ \$OKL>:"AE13|
_*KU>^O_N/9|L.LY496"L9 MA0|TB08K'\$BZ3L6*1*=|? G9^|D_K=V;G_4-F-K/FU_:H9M#OD
MZO1V4.O'B\$9E*-6#,IRBP1QV4/V6'IV3|OWYZ/Y8Z8VL_%^F2V&^VO1TEX-8
MM\$|('3@I8MV5R2\$8K2&5;\$E,W-%MX/^M_TW1)|['PPT\$"(8|N+|CX-)U|
M^BTL_EV|^ ^|PP:S(9+\$D;E)*,9;<X\$<-FR6P* >^7%VXU!8|^PFYP.)-\$ M;T-AC@R)5Q?
T04!*\$Z&D)U/;&"|>+&M&YL;9153**I#64|2CUK=>|) C"E&*MSZ;T?
K)|GJK=|'1FJ=;&RAC9T+R=+2|789;P'XOYY==7LUD-IU_/9^O!!3>O M85\$@-XF3D)|@E0,#
|Y!DEC.G(#NGXM(.5F>7S|H_,F>2/!U\$P%W;H|=A^?G5_M+-??JD_ ^+5S4VQ|_
=|*5|\$H(H&/*H*R6X%4M=\$J^EOTS5N+PX^.>HG WT)U9 MAG5)8ULLI;YX|LI0S?
#19&.B7:@2UU'PKT)Q)Y=SH&_,P6;NX_|VTS4EM_ M^&X_9,,AL1CHV!FSEGJ_D'7%TNUNC^@
G)UAN_D@_X-?+1?H><1-0Z!_ =21%_WXXK%;M'^|/9E.XS37H?WDWQ|IV U09Y+7;2+H
M#H!RIQ%RW:EX.W"UGG;3\$,*FF|X!\$B4QRB|VT>.F#2K9| H0-\$ M/|+K=)|+N|GWW#Q_<-M
B,E75A|!%;DLU&7R| MX.3>QXQ;#WP"D|PCU@YO|TMUQ;U.YCG'G,L:\$ZYZD!15_D^IPR=B|K-
NW(59U|7?5F5) 8\$5_,6*N9"OF\$2 MD\$UQRF=11+D/L5ULT>?.&Z9|PG,4B-A=P:A-__QYJ>W?_S|ZK?
+B|7TZ|5- MW:E.FKN1CQLWZCH!>%J(N7OD3&?3 M+Y=?KFO?L;/_ ^0A>1EZ;=DK|\$UW=N=AH9\$G)
|!) *MM^GCN- #Z;PO0|UL/2| MQU7XZPYG6DE11V*1A54:E"X1'\$6QA)\$S"C",K'-(NY6#|?>HX/GK)
(?,G,6<;2U_IU_(H;04VBPU@L;B!|VH)TJ|M/_6.JTW_
M=>MF_"|XS88#)|#|/%RZ/4#B&LD41R;B'9RKDVf55.!MR("Z,)*D={NU""^W M"RC&O)R.4-
9|=1|@N9\$5_N.E:\$|+|\$()K.ZB9WL5I"Q_BD%S-I'(T0#E7?@ MD1RELGD+^8VM^!|N+41&_E
\$..A/I@B7 EP21TR4AD4>|T\$O"S9,\$KDM1?|F8_WDS|D82L-8(>@X7F(M5#-R.FU&ZY>??VZF(?
T^;HY M|'7X.EV%B^E_7Z|L?#U?KJ|_RO4MKV+PWIM;|Q!;900_UJ(*L@D,8M<|L=+ MVU)MAU,P|E-
W4Y"=4!4=6+F'CL2M'_KS1|HS\$M)2&&%_Y|""BP"7%TFK95T
M26!RW+8>A;438>/.!|ASFNFQ6NH2>C?K,>XN#9^(B)%(<_#Y42"BQH|,PK0

M>54'R@6&K6M.=R2MMQFG1X/B6=@=KZ&#@4=A;9PW@M[M]*.?YHO%_ \$J R&^87 M=1W](ES<-
@3\L6D(N/W;\$\I\$";,,"1.4"\$CN,@<1=?.&L=9U8WQN*AM(YI M)0\SI/H<&27*\$4;T_=U?*@6J1^CX]+
JOVE M?%_V&I(?@+Q7;>.*YQES/_WL2.=OWS%V?(Z0+_EY_8XOHK+|1"#B1#&9J\$#
MY%#7QOO+P'FGP7#AA\$.FZ2@U=N;V(.|H'W>OZ!153"9F"5DHD@4CSRA82>.)
M&IZB+IJOUK,.|B)PW%|K%*0|&D'TUD'|?|SJ^A\$|L3;(2 SYI\$AT6.H6*|B M%YNS1R-#Z|T2;39&#@+
0&Q|;(?;33.|PV^6%A\$QI/QY3IVM)FC12X\$9D6R\$1+);Z^C XHIP!5& M9T,D_G8J8|T#5F>X,7(O-
3^|,7(?F?<FFM/^J?O#S=-K_WI|5%SRFJE+ *XB0(Q33/4D4EFR-I)|K&S2Z>
|EH<0\$|H6^GC>9%*85A#H"0QT#87%T|87&=#=VD3*_G*W'+B|D.MT&@&|?D4'*V/FE7;-#(?
>MM)D^0TPG.VH/@;:=J9\$.P/6C'W(|3"5(EPI% MYB6K2,Z"PTQ&NQA9*SH|B |= (FFS6ES%GFH
MLP=E8())\$XR(\$N6|LP|*\$84X|&&_='D|I7(8M|/PL=X0>@?>8^SNG%LDP&_ M>|RN(QAO=9%
&>*XB%16"W|+R"%0B6\$55JV+K)ZCJ;>P'2(YN_07VJIA@Y@
MM<^F8X;98*00VZZG\$!8L\$)Q1H!UR(8VKY3N#5U*|B-7DQIR%0VFL S ^/DV3
M6V6S4@&TS@&4|B2P3(UPM83;Z7^G=>3;Z/+CH_U1.K%W7D-MFKM0VUR)\$641HJ7S:)PR)R3T;?
>|KS=EUWN(?DN*CX?7:OH
MKH>SDST;.=,^QVJ|2^A=U8J_W=XI^&%^Z"QS;X/1K600#J>VMY31T=!Y?NG;\$'KL(A6P;U=K
MRCE9C|E2JO)DA@(34|>N9F6"XN0FV.%7DYY%W_\$P6#FP&7D?M1V,OZ^XF,|S MQU58K
;."Y*NTN@P75|VK|^ZT>|WT&>0H(V.*P406R3^U!0*&7/= *LY\$GAEEP&G&|&&VOMH8P#|>22G
M&HUV!4/*P_N?SY+9FVEMBYR#@7J8&CN|H|A|E?WJ_-^|J\$F+P M#)2L)6X**0|D7H/AWH5
H//U:PGA.PI:GLSM;T@|QBE=FEJWV^VD2X_A@M< MOIKEC|A:75S5@TZ,C9GKC)
Z10D+ST/<#HA&/L*I/90VY&+ MU)M9'G.:Q+WIR7^Q2>L_ ^+*.
JS%|>KB8M.IMGO%.EXN1OLE,02Q)YHC;B< MOQ@BP1*Y#YZ#E.NLFRK@ZZ|HI&7(UFN?
FH|2/N\$0B:<&S|RJZBHY7BMOD^4! MHF!UJ4VX)5(H\$-1GJY*S'EX;_E1|LYH@,0>B-K|X6BBKPZC>?
|T@NO&PY* MAIR2_64<5M8"E%PT|)(ZWC\$/KKI'6S7PX6-4@6)!OUK MJ0_0
7Q.%J(.TF#1N6#KYL07.#QB+R<,#QB'ZUT_+2'@PPLFD3>-0-A8B;S
M'SW\$)"Q8GTIV3#GV8);WWW|XQ%YJ?G9XQ#XR|P.TCW39;2%,\$L\$#";>V1;U;_MS)4%
|H1B(9AH1.MA\$4=TM9XP%7F*2^|@+72)I*A MH(FQ6&W"@|W4?ZN>UKWTO&M/ZSY)"|P
|SS9380;6ZL+ 8FW|5%:"=T5!"E8S M%7/6#VH1_Z8|K7MI?M^>UGW4T &L|FF1|UKIF+D|E)*!D9#I'
9)&)6=66;_M5JTOO=8|K2=,, |S\$PZEKPZ@^C)<=89922K'R*O'B@G1@QRD\$P4J93-0;2N
MOWD!;U|J7_GCM9|=##RE|=5)|QM0^7|RW@Q334_&&W_956)RN|NUJR;/B87O*PI+P@NYVB
M!6># *G)9ZCK7KEO749|;OVKAP"IJ=P|K8-ZT"QG>!&">P-%DTE62M.9B%*N
MK*+_25:43\$3.I^4\$&YXK#VDJ|?6VK8X.U(?76*LKI>MBS_IMWJ,OH6+6KEW;,-9
M|J%63%D3#"B+Y!UH\$4%I@|Y+^C+@Z/M*0I|;=|MB|MF.NH2@=M2.+>-&R MC#Z'S\$&Y@*
B1=J|Z((Q&+)USW)+&W/5VG2HFUTUOGL+PJZ|ME|CTN
M4E7Q)YS(9)0HQ)OP%"^LEC!;|:8TST_Y'E;/P>X5TH|2VAUA|>P"UD2;| MQ.N|6M3|Q:<4?
ZW7|7&P4M+MD&T=+QKJXXFV*!2C^' X;L9GB#R'=-;A4-I2 M?^>
|I_-'6|/W=42)X,7H.W|>B>K+#Y'&""7CG"5N-MO0A@=!U|%R+%A@\$",FLL)E|#-UZ/EBG)>-
1R\$#%Q!;;3\$Q-;_E).F?-2Z M)&7|_|JF96;|X.H8TK&|H%7!|?^8Y4|11%?;R,PY(ZD92Q\$J30@1F90U_
M_;F-(|)=5\$=ZV3VT?H'8#GV0*M4K(*G*2BBQ&UG-F#RXA0K\$"G9.2IM#9) M9UHGMY?F|ZV3VT<-
'<#J:GHAN<.+K>|P5A9SD HS.C#U\$H9\$21\$+CS10>4 M3*E!9J;O1^:XD>T@X|M:61W@<=^,@
C%E,(4!|MK1B_CQ%AK4Z7WP1H9I1M^
M.,#QR>HN.AF.|="&U%N7L'SSUU=,|_,\$UVF"W_&OU1|_XL4W_&T^6WU>3M R
MFZ5Q4.I=H'+0X\$_.D+D/7;_B21;#%RSL0_(Y!|8'PNGYZH;|=M^4/Y/#(L_
M_IQ/BBU"|RP@(UU9ROH,3ED!4KF0;%,+,_M|S?ABEYV!O1P'N(9H|4|P2_'%B
MT>M\$WA1H2P&C|B6!"X6!CKK\$Q!*R\$SR_|\$;K.21XC(?9Q;5YGC|C|97ZYF*!;
MFD4DYF0=#VX5>6.!'E.GIWB*POHT_(C+G4@|AR*_T3"|MRI/%++3;SC1B(9I MBC"3=1319F|HU?
U>/KH2.B! ^=95%+'K9GL';+|ZO+|(M9_&6Z3.&B,KS|MXS,N,!0B9Z*<-
LHZ"|*PNK.%DYBM1M";&R.D=DP_XIX&.WC%F1V#.HVVNZP ML;/C;H^_5-88K|P/M|6"SH#|_P|C|
'7_PL:48A|#2J;B|N'|7;G|X1_P
MHA9|O)XO5|N/GPGYL9)WC;2;1_(4E#)6>V#;\$GJ#=A"T2!"SX5B*K<-76YN) MHR@^UL#>|K99?
+8#|T.BG_>G|H=_9T/|J3AK=)!=-+B6\$4N=|U|:0 MH.%Y5B_Y9DN.(706NHVB&?\$CY).A|G|G<<|7?
@6-3+Y??PY>KYV;N0I(9 MDA_9E"X%O#\$9A\$?A20Z82^OG^;N?/R|Z1H+
EK|_|@_31\$98V#X!1>HXYN-HS_M0M0KAN!=B"!#*C;;X*1I0BWX|PK&;|8_3)/.0.(L8Z|#!C_O,
5^;GIWW0X MWLSHWY=3)=X-5_@.ZF/KUVDM|_*D|>467UNF>E;CUIY'B|JOS5I??GR)|;|;:-
|_+Z7|CGH0B-!KO0&>'H,@?HBN5O/%BK%.U7#*'KYBG%UDR, M?'"&=FYOK;G9?OWZRO8;
(FA=O@M+R^J?@C_'7=NMKZ;.@-<.+M(0T@J3X>GIA7Y%1I"8SL/#E=S\$)\$H\$G'T1(G!75>E'(N
|/F|=CS-MMQ\$;1 M\$|&S2MX'T;4DG6*?2)J5??-4=@34|EM5QVH^RLGXSV0=M|FSZ_XCIP7MZ0
MN9Q_1_R(BV_3A-MYNS4EOY!&MG'M2E3.A@S1U#D23A;PB?;\$ZEI\$G^EZ40'7N MOPWE(Q=5CP?
G\$12_/|S|%=QG^*F*XX|FJ_M+/^JW>%1#_).91"#A@P&P+) M.3#P&2D^<=;B+
<8E,XXQOJ9PY#+KWHWR08H|W#C/5^'BA%|TZ|H#ZF*:UV*H M4W*K>.?E35C,R
U<_KHI57O&=6SM3;>E:ABO>D#)|>%=YZ**8U(^KJ'1W@# MT>L_)H3"HF%*L|;3='HIZ|KI?
KLMY'Q7/F";?YK58/LJ#|6F|H|;+(SQHC;
M"">Q#CMD0!>=!HO;)A,L9|C:NQF\$D;|VW??|N/E7F!|H@-7_ ^V,S"">V+EK MZ|:N5T%;G_%
(FB*LJY=M!!QO1.MSH|04XOA6&C@64^C.;Z|>'F M+1D54>WJ8'^)|L|JRA|TTB"*D,2,*2RW?
@)ZDf!Q@=A,|;O:ZO == "H>L3> ME8_AXF96?Q""(5,+HHD(7AGE61!M<|%/""B2^8C?
EH_.;|G\$/JBC7,)|LDY5@-)Y#()AN*YW5Y;^M=C3N2UDM-62|A MP!_!0&H5Z1086ISQ*T7&\$MQD-?
KY'1VX#.7P\$HL4=OU=-_FYO%IFD;_4(<MP@/;V% K_#;L|7Q&W%P20QO.YK-K^ZX,DN?;*!42A
C'\$&7C&/6A/S|DGLS-M#>%S1(V,LZ88V_ZP1@KI &%MKHE?;PK04G&,99|A269_*.X@.*' %Q|RZF!R

M: MV=V9B%J. '^MWWEXOTF?I&U4K'MB_HSWI0,(B^-'7QSNW M-<:E\$,FS#3J#JL^'0?
O:5&A"9DX[H5N!;KVLJ M0?*JY8?*U^N,"V)\$8=U=BJ)\$)BP3K8>B/DI,+^_7)P7?'8@VT50/D+LEOW8/
MORM_D/B6=(O<I!9VZ +UHEKM4>Y4!CL5'VO-%D)&R!%#3ISD8C.'(' S:*,>.HSD.P\5^~^2,3)^&FOZ
ML4C\0+%W@)P&+8Y)Q1B"J*4C1A+DH\$3/(/CCC@C3\?R8='FYGE;W':"=
M^/PRGZV/ZX/>V*25RCXJ.OF.@U(HZKJF3(ZU3=X\$@|B|>/)\$R'A0 M'J1&31T@|F!)_A;^FGZY_)SQ9
GE!;3K^00D + #2784XI4H0',R &R!;P6 M DHV,N>LZ!)K'JD,Q,09_-D?@_4N
#+R=*SCYGZ\OEQ4/;K1/?_ (^)"\$K& M5!(D(1/4ZBYP2/=D8D9@)+|N|_O)O&VCM
8@;>3WK"@WHL:SQKE|_@:14M" MAV U,:JLD:|DN"<|B\$%H9G/@|/I %P/MO'D;%'|A&)|\6_B|S'^|S?O
DM MINDJ|7WM|I\$@ZB2_"><%K:@|XX)CH%(T\$&RH94A<(F.NS+()!*|N!EWMTH/
M/L|X(.G@N.S9:6X5T|J8",QBJF7)Q:W2GS@WB1MM6?OBG0%&!@RV765D6^H
MS+J8_AX^>5+6'R?EP^X7-\$I?? UR3|59?'|>CM7;|O(\$&:|W";1_%#;S(
M9\$+D8)!94*6LIZMXR\$(%69NAL?EHKJ^-TI%-9)#N_-2\$
MN.A2*A14V/MQXM\$>Q%T"7DH1PUX@N.|G*R1#N!TN.!NV9|E>|/>M35>QB)! M*^;))%6(.G*V-
O|DIQ8+U(31ODAB CW"!02LJLU!#ZWCD3-S|VYRM1U^P@= M=^:9M)!XJ
\$FK|7'6\$B\$XKCB2;V;N NOVMD3;\$Q_1^5/?X+J?MU?\$.=C-YV-3 MF94J=0F|U;G>.5J"YTO!U-
(%RTO\$V;RA^W|**QI<^"76_3FC_8S=-) NS=Z:E M=" L;X'N1=^'A^X|HYG\$U* 4.>\$*8Q5-
(|=-Z80K;=>R'@VI_&02+&_RKV7 M=!:|/@=N1D>*;V=F2R2UV1;YDI'?#|XC.WPOV<#HW
7BC^VV5|=Q ?N3HI M)|@V8*3)1SAAPPB,\$KX)B1<;8O+ZO&^;/|_6UF"(?'HAV!'Y;!SPLN!(-D M+?
NWX!AF!(+/|H0!|)1%X2 MJH^7&N2|D)BREJ|!"6#DO1+D%H \$TFZ%+U)_GP>P9_B|\$P=-
YS|EFY,B3DB6R^5A>G|B0DHA54X\|\$%6D|E|<M!.2NH"F<8?-NG=-
R>*8.:>GZG@P=3A%YX_P%R|GLS=A,9O./BW?+^;?IDOZ M<3_A#,MT5>;+|=X?&S.GA|P|)R<8_AI-
!CG;K.O?NT \$B^IG^L%Q-TX2SPKVF MJX@G|!0AZ4Q<"@F9(B>= P|AN_&QC6Y/4"!8R@>?
W0.PL5Y"@%RRG#Z:381 MO_2=%4)@=2IF\$4@N(|/@T#O+I?3"L/%/P(;<@ "984
'Z(%D8K*OBA&1|4Q:@^GMH< X62PFH^BXP|00%FC MLF'X :N3\$GT6PFA(N>97G4S>MGY3?
H:D<7%Y*F3<7X'64\$T= MH.|GS<<^+%J8"TLB,19=8L'57XFZ4C7N5CX3! 936 M
10W4>HAPDQ.9>ML)T+DMM4F_JE?8K2:;B+|:WAN?AU';B?8YSG9|&QQV@ M^?
J>N&+XX>\$,V0GK9I#A M8;L,R2_?)V?'!F/7.E.=&LUHE%.2%8DIC)"9R/!82GFR<6AERU|D;8C;*1K_-
Q,#B MTCJ XD?26YU _BO|S8,|D)P5DU(D\$;454\$JF>@@1A%1"VZ4;-|&?R3-/>1A
MQ|K:3ZKO#O"|N3E^8'O+>_&|*|S0H948*1RT IQD"H2,POC"L?VNQ)T(&WE8
MPTFQLOW*;ZBX#M|X?8?L(MF)345"@I@%HIXRP6<8QY"/>!2X|03YX71_)G#?|AKB-&=N<"|";/A-
DW|YK|W"C7.YFH:+"5*4 M\$5*V@,934!,2KVV%Y\$T'I/"C".GB&A_CNYQ0|ES07I3|9|)XE|_KNV_;V?7
MJ1|Z2Z^62UPMZW2'_%?7,S_#|1;U2IGHTL(0)%|H_.O"OB<\$9"N,,2I<,:= MIT8:LS#N7(-
S.0=#8>),CL3O\QKO7|)?BQ>X24!-@D5AHJE;YQQ%3IQ'B%XG
MX"\$J|WT)7+9.4A|*Z|AC|LX%Y\$=K^4S03%|!391-5|L/!_0B|_D1&D5IWO+ M)|J2S!&1L@|F
E<^AR:%WLD+U(4 M@IQ.I<|K'*F+GDA+AFC\$TS_BRZ*&'GK001#Z-P)RO9_H'R\$=L_\$(&^|>-Y^
M^1JFB|H36/L B6|;G)?(B&^)&C%;Z&?S*!1,.6CX!%;;|I1?M.2'=-Z0W M1|&9H'|!6_!5_O|N-
RVT\$|^S1>DC'6|C0+\$H(*3@(%D13#J|J#|&;OP^G3NA MVO_ =47V4=KM%|8Y3WA|!+65"LA P#
<4#1&5A10.UY+^6_GQGB=W>|IA?S^X M'JW*_JM*?
@^+RMBW=N4@#WYBXSJ.IRD^00%&+*Z((#1DY42U4@Z<3_9R=B*) MR'1TJO%9'K
XT|Q5/@RG6T<:W(S)CDEILGJ_L_U^9|C(F^:T(Y%&'2%RY@& MX_,^,?T62>R#AB<*UXZ0?0?
PG3V<08RY1&#LH62=86@|0_MFX6+#+_@-9Y?7_|O??OBX88<"1F%TCF#KS R5E.,=5T8Y"CN8|>IXD
MJ|,-8Q_?;0&>H+3E@SLS9=FGS: +&Y@)C|,\$8S+69S0&/M)9U,(X8AH#E|, MX-V-ODX|J^-
A1C@6NNH7_S|/%U^G2_72SC>E.NJL8FF@YDK1!T5\$4B\$ M29>Z.X390%<\$;|YS>'?J^C-
T@V+O6/V,B+S/7W'G(H+|8?I9M(T^:770I=? M?:FASB3RJ(V4:SVY)LP*
<%EGB!SDXE;)L.#F.!^CKP=-9VX;LT0.)*>^K6) MI(6/N%I=K+.6Q<|S*4^ MG-2/O<3;
6K#TW+CBKQ?X\$!-L4F!9K'VQM87GKQ>;9:8E=|' M9.X_TCX)J=T^=MRRW(%!-8#D1X?5+FI"/U?
TI_^^2I66U^'KM%9.KBOB-ZX! M'9_(4D#@U2%0H3#RBT4|FY,D/YGG9.I?GH?
&*_1.G*E|7BQ2E,EG5?(H_I MO6JZX9*K:|67F;Q4\$4!%R2&Y|C1&,5L5G&B\$CND+@;0L_P=65(5?
4;4/R8 MIKK>I9@-UE8A!9'5!732%_#:% @F",L#M! ?UE=YR IY^N0I^WRP|8EO-9B!??WY-
W7;N%KIR9=^7JGQ_"LVV-ZID MX\$&#P#J^1|D#J.J'0.@OZGC&
|L!0S\$RFZP/Z,GHDY4W\$)^.KQ31> M4O1VW0?XKEPI8^7<3G-TI"H(R!
<=E\$;NH4R(KGMQGKP7BD0W"-S1:3D6M=O M|T|=;C@|P^><@134 ?
2VR8R^MJ# #AC_CU>|O28HATKVT^E|OG_>+Z7SQGQ@6 MDVB"=M8CH*SEIW6SID|_
T|6"),LYZ9UN\,O;O|YS?<8968B|N|@|2_#=> M3#_Y_E=>4WNT|7EDKZZF4)\6TJU;LF@?
_EVN;Q9Z(&(7S-@(&"CR5 MS!;B%PZ,03JK6EF'NV1.&Y.U&TS|VWHY*KKP,S>GL(|_N)0Q.3*>2|)*U
M8=USI+B\$S\$5&X9,UHO4TF(.W0VQ9_3P=#JU_,X->|V96,?F7>) MG\$W';9!*6L1\$LD@15%>G T,B,Q
1XZQPLO@V.EXRL9>>MYURL8^0N\+|JU
MZUOK.=;Y(U(D7DMO%43,\$2B@T<>I,\$H&V.HQV\$OO>XY,V\$<)'6|J
M^R@1H;3/+(+UJD8B@D%@P8(H(F9MK!2A-9.GMQR^H\$;QZ#G;:'%W)F:1<;
MNB01OOE&O_Q!_VQMHL D*>|3*0)T. 4J6 A1"EAK.)N-C%,FUOL(>(:43X#3U M?UI(O4_P;
(Z5BUBB%PG(1M(IX'37>V=8?9E06!BB;_Y7^2@Q(RIV;Z'JY^%S M@-S| |#&A)J@-;^S8(.5M6HU>!)
J!;\$CB.3A9G4.DFOE9#N@'.(DI^&S@\$2 M|P VVXSR;>K5)F^9962)F;6@Y5C^M*T#JFU!-Z| (7_IA?O0%
<=:WAZG(Q6WZ8_M7|37I#_#(D^8\$|;84\$NC1*QYMCH@*^@J.AFR4TS:UN430_/423!X/SF'6.A
M@|/Q"/A3%CDWIO:31*0|".M:C*Y.,MS<*B=;#YZ_Q%2QD5B7WAY4\$!TO/(:
MQN#7|9/YQU58K(XNP7B\$D:M7^>N:DYMG#1^\$LBH@**|*_6(4^)Y.!F==X\$9 M:W-4KM\$X;*"Z|
<7|W*7C"98I" M90&,"W+B"SGV3@<%=^ASYE1F-@Z0=>&|G\$|I"PVLV\$#JGC4W)9M*
|3;\$'W.)!8U2WT._O9Q/2O:ZW.I& MLDR*6 S%#VJ=PC>!T3GU"9A7B=PC'SA_KMYH|P|=

TEPGOI#48KKU|I>L[7C M*70EIF0\$Y*+ (%B@;P:6(D%4RNM8\$0%-4TY+U2?YR15_Z=?
IE>H6(Y209;Q)+\$>H& M [HJ% .';% (JYW7W&\$YD8M|#!N=>A:GP/S)M_ S\$=A^|. |,*?C7= /69_ GZ|
M8#=E"K6WBSOK8|\$,4BT@5U)+L@:90N19".4M4C0QIH5_ CH%Q7)LN8^| "C8|^
M3>H9UF|X+SJR_ @ \$OZL>OYC=7W9|D" _ (70^#B_5JS\$.U*R5GB*HH4)K"YQ-I
MWA"F"/JZU|7>SS'OX89'K^OJTNIG* MM9G' _;\$8C>4J@LAU@TV 9PT'HPSPGLL/*03N1#/4-I?
L5^;9^43Z*W?A,:- M6_ C+%Q4#^?5+*|WB^%RM9G:;LD8?=U3#|+Y3)<4JPWA,@-ST1NODTD/9O|
MERU^EMS^:GH&Q6ES#78 UFW|N|O8>Y72XA+S1/GLI8_ \$7B# '18EH(-9IU)'K MXF(I
1|/|UB|,03):R+*OY*(?4U,@/\$^LU9%<-|,1+C09OF+W;CO+|Y;I
M4ZH22Z'KP\$KR5922'ES=PR<52Q)%5#+N,CEBKP_M9 |C.U-*_47-JHD4NAH
MM:'@|J*3Y):. \$GGBY" L'9Q4KTCY8D=#+J)+AYSTUA>28FNO@,MYGU)47.JND
M@6%4H)A.Y&8("12T*1^|X;IY=T#C663#SWH:P" |<1#_JSR&I2W+FLYK6FI>? M-Q36-
L+UUL8PRW>^=CWIBH30;%#)<1_?>))0UF<8-1)0.=33:(;%SE=VYZ# M-U(
12\$AEI1TTJU3LFWFEG^H2E=-AL?A> MKIX/EI,|=)8I:-#&)'5" I%BMJF4\$6DZ)1EFG;NAAU#_)Z|N-
|X'@PT6X83?4(MPK>SVE@|7WR?R%J8HI("B M1DI@;:."?C"Y*%_ #|/N'^? =PL?K^?H%?P_?
U4_O\$1^UL+@;4K=6!3M>^ E4; M>9DV)EDG6=@A0;/GOX|I^C\$ACI)VCA47C!6WMU;2@?IXUD!#;X
MO' /|5WMQT3YS= (%(#G\$9FOM4>YU" M!@\$L"(5& QZQ#-*7UH*/#J1WW;:8+
M|+;0XWD@=LLYI2^M%I>:)3S7>^D%9Z48'>CRX1E4J;NC2HD@M&*JRBMSRT
M.9CZ<=|RND#T\$KN\$>'77|A*N4V4\$XDY(4#E>K\$H0U>,RZ&ZYD9F45+|4=3/ MD#3NXT(6#Q"
(ST"!I_ S>?YS>G%Q51(29I_6ZYK6WYJX+ # (O3)S=3L93YS8 MOD,A80Z&:=2A|8"R?6D<=Z?[*
FB=CKK M+8?TZU4+TO33YIJV;GE|S+QWQDKB(?%\$,9X*M;XL1#>8,RF9"?N=PIOE#O:
M_G\$C+VD_ <=*H@+=V= MDI'7JH_Q;K*W GJ\$T3|6|^5RHBB:43X8*-Q34).D: ^("V>3=<)V
M2D;>C#Z&H6W @Z'T7P5+H;|T7^\$B|LK-5U&LE""M= SXHZ5H/"MB|K)\$WGH|L"-5TT7/YP.F?L?
51&279'\$6F/^#CWR M\$,@:0S):"Q)7ULW7.V^C8^25Y",@:E_A=V"P'T2MMH>Z95*R28@Y6LZ"!S!
M>U% %"YEU IU;IW#W9VZGDL'3E8J=;S6^O+ #|G#S0VGW|J#|NN)W8A+W1|C
MH+6I;03,D).9)3#EC=.9L> '-<[4MEE]=31>'G<(ZAO-YNW#L|UEBZC@RH M3|2?
KD9,3+*QPEL2HN>^3C#V!8* @H|Z#DT8K:=IOY|N9N" |Y6G@>*RJCD7A M'P;RO>+^5=VOCY\$B
M.BEU4?>+3IO'P#^2U,G8F,8|1"WUT"P<|S3SE|/9|G6 MS63ZPW)^,TD_Z0=\$722G@?+!UD6|
<||5IS0S=1-H5%Q^F|H04R MG1?5J+D/@EHT:NZCKX|R/K=+<&|RJL7P\$C7/4'B,|26QKG_CY
YK7_WBI-H/ M5GZ)A6>L37/31%R*2*KMLE7;,\$CHO@G-!@M0|>R<25&AQD M/?
F+HR/M"/UT*00_YACKY(W-AH.P08 RY'Y|+3@8;YD6V6;-!B_V/!P(ST
M#P>X%OKIX!WO|6;EJT6J|OB@E3% @ZB8|H82\$8.IT'6:%|1F-UJWA|@Q)_<;# MQ|AJ+?
70P;5Y>_%01K|_ SU|N5H;G(O).8D,VDH%2F "9TJ"D QG"D-BI76% MW>/4C.N6-57Z8X,EC|_MUC:|
O7J|@ND@>623J*%T%LY).%"<5>JE2:_ K M*7HZB2;/U/E.4#I 5V B7|6+%Q|P&|XN|2/N/@V3?CVP|?_
MG@MG;=1>.| MDYPXDN=(7:@RH+D5UL/UGK29)ZA-0ANG|JG:*Z)7|^6T/G9.%V<9&6|3 M.84?
2"?.*2Y!9F\$R+|G9YJ-YME,RKM=TVHMN;EWB9_-&;.6I2AC BOK=E44 MM2Y0*
7C64W)KK\$M_|^+NE.=K6RH| MW?V% TI%|BRTX|B5-!%,R|8-UJT?CM_AJ3>H'2(WN?#*:\$#3&T*
HJXB7_? M)|"E0>.XJ,N,* *E"QY|6M<|Y:@,+X7GU@LYM|120J@)7J.%G<'D'G8&/'3 M|_OILK7-
QIA""I(L=42Z|H%\$A0*L|AY\$|:F,X?TDP;13@>H
MN|_#=6P2HLJ)U=K@Z.F70+\$)#^0F>,XL)|8"MEYILIV2<: ^Z8;3^3\$|!5T M *2'HGK|. &X,=
(Q..FDUN.Q(:);/CF?#\$0R#(,SK&#K 5O|4SDN %M@XUE+ MUE11'4#Q=?@ZK2|H|
|C9, ".B8PIMAESY4(G1+2#H/O".6TO|8=&M&U>)>)&A< M=VP @+43?P=8>OQL_ 'JS/D/'@!8#>:
|&L.I7H/>+A+BKI|,4?+(O;L6<|!9)LD, #|C'B>O4' M|X)=\$QWUOX7N8_J_?^
("YX6^|9K(FZY^8#>0'W%|HMIU/QWTJ8W|FX|G_0= M3%DHR7,JH)VJ" T:\$ T1|8)?)\$>I: "W
|&:,IO4+BAL*|4'+ MF+Q.Y(SK)/2DIOS&F#I&7BPD=CPT%#H'Z?I'%CY%, |T2;.1^S.""+3MBI MXZ
DDZ!, 'YJ!NI%521L^- M)NE!A4X!|>8 Y.(#IN52;KUC(G'J>FD-*|Q.-)(^B-?HUM/PD/6KHUT*5HG
M)P,P@70*F6-'H,&P;U*QJ0H'Q2W;+L^|_O4WJJE#M/S_ "1" W^BX|XNP+7?
MN6UZMA18;/00T*Q|T|@H&Q|@IYBMYE\$P< ^1XP@_ |7%"QK5= V#OM*KI XY; M6;SG?
VYAE\$MC0J%H2/BZ'RR2)^"B5V"D\$2\$SC/+!"^|.QNI93Q|W5CB5T6NK
MA/'1=BV_ '2W|1#|4PDE7QR0Z"GIX@%"P@:'%:8^9&|4ZBI-&|XWQ-ZI: M^IEC^9"1^|;^|>9
MW^#=QF""\$J(^6Q \$=3;D #()1==;DQ'UL_>S8A_/BZ^V5=CGA/7Z^NKI#I MI%,|RW1C:*X-
2PI\$='5?8K3@>8D0E%,AQV18:=T%N1-A(Y>>GAQY#|OV6VNO M@|SSNG9VFLA6|A9>824K5
ET*'1525G(L8D,M+\$JYFB=#;V|S#U)' +D^=728 M#JG1#@;|N;G'T0..?_S"G;Y8=:ZE'V"Z&3MDH|1?
%0:"F-H"V9|;1S;)S|A&|V=XZZ 4V?
X0I&CK3|5#4M:H!8Q@RLJ|@K!|@M:@Q:9.2FBU:GUR.VGZ!FYZV| M/++;2U9D\$, -?KSP|?FWCF|T^:
(AP9E_ ^NHJO&7*.\$U #O4ARE"H|F21-8WI M;:)O"=,ZUJ^|J&:G2^'#_)B| |R8H9\$S
"RYYO9A,K04=>2""22SIYH'. MOD2^A-AG'T0>=M4?JM7S|TQ5DBBM)_0U,WN&B+=3&"TUY'E&-
F#?H7^/-! MX#HP6(|S0O?0W,&P_(J+Z;Q642U61U?)|<;>JYRG5Q;@IY!_QKAZOYA_FRH
M*Q.=LQ7))4"1B6.I' 3#%4@F6,XND7|WJ9<|EHYQH_C30/+D^AJY3'TW7G_&M?+D>KURW+KTK|
(WY-SH@N)QD\$;VOXD6;Q-40AIBR!.&85Y'G)!^L<#@|X,;4>OT !B#G4F=
#GE*F+H6P,.HDB6K>\$M;_3|XON MN|H3|H#WWB M_ 'X1QW%?D;'1C#5\$NA"?JD(L9D@F0C!(6O=
AOZCWS'JWW.IG^7%^D7^Z M7/T^7|TF:X"UF.
7,B=_?)XN|GORB+|7(_'+QDA(KZQ#5<@JN\$C.CEB7C==9 M3"5|X8,H| |LO|T#./#C7T)4OP_;
|GH#|I#8R.|I|BQ,; *3@G3.0@I2@BA3@ ML\$X%,S;|Y%0Q^OZ;YI%(' =^)U/^@6#;2Q-
=A.A_+\$+&>RS6K05L T>P&C.H M*!|"3 Z*=9D'^G_)|Q=F;VU3V_*SQPFEO| #_
T9(=V0+5*KHU^5|7RTD=:FJ4 MC) |D;R0>8@8#-0U>=*7\$**|OTME&R+N_LQQ0MKO
M5I_K=JE0QUEP"SISDH"Q-5#1='4|YY-'GIS?)>EQ^Q/'0S' ,&!4CPG-R01 M6Y9G"_1;-6|<0+|TTS
M|P|^Z@#9@:(YD(B,S7)E2Y|HX/(%Q"PP19)|YZ\$FL7;-|W*OK7

M?/"OMJ/WBWC"95TO!"|^1MjV(^(^|3JM?+5Z8.)8=!(CG6)6%Q,;_A!KG)O#:5Q?G44-*HQH@H
S.I0PB:YZL% M@JNX#_X>|%8?0H<=W,F/G&J+%A+H^"J40QEA;DX3A1QTU8KE&%
M'\$Z&MUNROL5;UT.AG)" +2=*TG M^O,%;O(VK|I,%ZM-3N=1YB?)HI7E.13|'3J M|PUL,?=51?V_K?
=1S6EZ^7|),_SLOJ3Y+SE?V/((@5)KC 9_%!+0\D_ M|HZB;)YM#KIF>+%+KYIOG:|JW<6|@<#552<
NVND)S&76%RR\$*4Q=625@N 5 M\$@/!<.:U9ZSU'+R|GS|.8>:)|@'.PH)N!9-
"/|5_GLT^/=##6;?'K(N:K34|_ M7|KW_|@!GMZ/Y+VOM_@LK8_90XSK9A.KP.N(8*,BT"+30=_?
>/8BWN)_GZ^P M5OC|_@^S'P>J_3Z?I4WCM3;1L9@S&\$|'7T6G(83(R0B0>^H9MYZU"M"X"UTO
MX@U^#|S=-ZW-==?O7SUL3>|?ZX,2'5A\$ZN%"2R!,JR#4HI#1)TAY""=KQ/3 MF|
<2CU/\$LHQC|%)>(SUUA+C7|^5J.2?'J-2%I#+^F9" 1C.\$B)SFLGMO6 M2;X?'")@)=9@M<+6_-CJ
TCMRI\$D^LT^_8ECBA^FGSZMWY9|+7)^-29*9XFSR MHNNS,)|FY%G64#+H+4VSD0A6|L83Q'T\$L;
(^@.U=MKJ 7JWS090TV7"" +6 M<7ZY0.,)2!,CUX|B+EO'YX1"LLJ%@V:1.9>9*LV?
8)^G:MS8MP,0MM5;7TB| MPT3)KMB<%#AKB9,L_ VI J='Q3PZHYJG6+82LA/>S-
|';P=JYSP:'J|X3&EQ M2=1-0YQ>3%=3;)N\$>>8S!LBXL_-55^D5D82G"Y.N3UX(8\$D| B\\$/ \$ 676HF
M*,=N ^PBO;+1U6|A|6^LKL;:K;W9)!.=8G5404F<7(P4Z1SS6\$ ZF|FT9ZFQ
MM5">HN_-27D"8Y!%,#Z&'L\$4>;K42 A=EE MH=|0%|BX2TAEIS;R\$XQ<\$Z*2R&8-
B#52E;AQ_M|&DO(5ER M*+H&T\$5R1>?DAJ/OUU_X&;_E|_NOPSHA!;@*E+*Y43"#9
M#L5+1<='6A3W)_0 A;=|OLEY\$^_1=|@NNHAD/TA/W2'NRMN3\$X^&6.H2%*V
M+AHJX#C%Y@4Q9Z%R2-B|>_)BEY"*N48_ZVAO@Y&WS=PG)EF,0.80&1|^D+VJ1ZR)
<;#S;V|6HL;2"!827M5=)!?# \$! @=DC!%"!MW
MNXBW_R=H&1?'I2;R;R""W5|JNK&/1",RD|>+.>|EDDN:JU0JODD057F.TP M*>+*'H)<^|E86X ??
6"OBUL_)WJ|/%E2-T1&4#9Y|@NJ!29%6<%0L^9M/8^0 MLA/>_O'VY\$;J/7B=)|SE<<#OI
|>3'#/5&L3MO73U3*%%%\$D\$ \$ #P1<94R& MR**E7X)1Sj5BTXNL GTRG+_S3N@8.BPV0_ZV=@|S
MF_@L42_AU>,8,+,56A_)&)|PMKT2XOM_>STE,N)HNUE*K@J40(-W2|^_K(40X MPS)=U9;:Y9T+|
(>R;)-"4A9JXA.4*QX""@2N;,>,"2N*S|5B5QBR|A,>78T ^ M)B(ZL,P/"L#OPM/, M,=|KIHL,
<+>V|A|O9WGO?;LA5S&64KG0*=,YJE-)0N#K)IA8G,@RY-9|2L_1 M|!(>8HYR2%OJK!
<./N)&B)|RPY\$3L0)RQ3;.1*80;^DBUH6UGPGR;4O(17 MFZ-Q=
|R>FB4U!RG,6?/#)S\$S17X""QL2A722:0B.9|"2OAP4A01@FOD!E3A7 M'_827F8.P=4PVCB/20NO/X?
9)UQ.9Z|^?5JLYQ?=>UX?*HM^R X^&W^;?T#W|X^UFT585"OK|9 M;.:>0LE=7M0\$VL|X|?
N'.ZOQ4K312%3@DR?Y*1_L6S &|VTI4R;/U8WHCT M%Y&IWP.J#Z:SCH"
#ES6|;50\$UUBB=KH6I!;|I!@KC@\$.3(N:Y>S'R(Z;U; M*;D7EJ. 8J=jM;TT-/J:|J=YV?
PG79|OE|M+S).2C>#DAT&RRA-OC_Y7@8< M1Q.H6-<6K_W|D;9N"|(_+Q* UV:P7IXL&_ILOZ8G9?
G)|\$M<#B%?"2,BB/ M%"98"A.",2479U31|200?8+(<9^""^D5K*[WV""|RP?MQ:3KS2/I",0%M)Q|4 M.-
:2?Q2YDS\$J|UJ/=OD:8K&?>S|&)*:.S8.<_#_Y%HF,^,5U3: 64%@Z< M)K\$5K:1-)CER8/KQ(@=
|Z.D7=GMIZ'RVK%_GXI;#Y9Z>^(A4K)HK&%4+@5D/MZW*)3)MO7DLS:B|HX
9,7;).0@A@O,Z6#W02G1/5 M6<|6N.AC>+"O_J3-LIUG??:|V='LOOH:O2>L#WXNZT,GW""R#,75X|?
BID(MOO "R6@MN2DAQ_O1|I|PO/WXEU"D>1)\$JbQ M=^6!@OZ:|L141EFB7QK9_Z"3
6:|P/6!@3H(-FGLKA2^F=9SV+\$'_A*S(P6"XE|;H^KV73V36DV_M8|.CFD=/'>!"0UQ,F MAK%.CI'-
P.?IF9P7HQZ;=D3& M=\$S38DH<'<(4H;.(P56BK M.|1UV*^@O4ID<%IED%:(PQW+;L-
Z%KG'W|F\$0L<_IWB'JZ0%ROYI"GHQU M6@@"\$S\$M)#@V%|BZ1_)3:+USQ%?K1, F8^\$'VZ1/|66:ND
9C_+.)6F|J MD3JS&<@AX|!" +4+18M)(BA!\$;R|Q|^P@^V7)X'/P>+N "J?KKY|NYCB8N,Y MU)+
<+XMP>>>+WY!WCN7_%"S&M9^ZJKVD"(YOIY=7;Y;H\$ #*JL LF/W JR MR|X8|.2, B|",ZNL3*+U
7IS)L;_.3@);.=5 _|D@?R)+8B+&>CAA>2W- M19M&0@@@J;XAH_ W*27W;D)='(Z;=#|^Y'&69(@I M*R
Z|R;8|H.%4M|PUK,==R)LW(Y.)X%?>P6="^KHPU35^04G.FKTA>47G|L<1|F:T@AX.37ZLR M+;
<8C(5D18|<>L|>W?">M/YHL-D:@Z+M).KHP 3^=,JT8;>.Z'V'-Y>:DVR3 M"-8@2-
0,%&.1@G98^RA'SCA|=)=4F4 M(!+D(FLMN-U;((&3FN+ _I>*TB>"W"VR=D/;|T^MU> M-
4|N_0\$|=I5P|V5)/&D.*C)!9LX+" I+S6%)A,82(VM|TM!%POW|J4";S(YD
M0BY1.)#"65J|TJDB"0Z20.V5D9(VBMZ2P/XQZ?C|8+=Y*MC^N_2VB<"<8
M|I55.9@'_D|8!HX7"+^/\$^UGCL=?O1RV'N./7=IP%VC0Y?-R^|F;.:!|F%
MZ&I;9AA=MIGQ\$+KGB0_4|V0G*5WJ2>>AMN\$TAC;JLVY;L17C;N)';/GY8<9|'IB#O?8Z%7!_1?
IEZ^K|^522WQ!;^_G M|VLOR6\$H(D)2-0'5FPA.1D2C%|E|SW0K=?"CJ2-NU,V|_0JN@_89^N*'XC
MEC8#/B0%*T711ED23?IHOZS;|?>AM<9!?'=[S>RO^6V*&=E#)Q@^_W|J1'%38'3A:/_AWP+N;/"2*JU3/
M(W@")6,\$C|&2V7=><"TQIM:%*<|2- ZDAL?|L|';4KI#F&/BOFQ5G1Y(|&4
MVK%3E#J5DK@A&47!69)<-
L|\$>9:B<<*VD3%VE%KZ!=F|Q,KD\$ "DRZ^>S>7Q\$U3L37"J0.5\$Z_)MD|B-'|P%%;=1),JOE60@8
MBY&%,63B88?|@3 V3MS8"|+V4L3(LQ?N'Z|M(BT>M.(E0O!)UO*7#-Y;|^0* M!\$L+)|Z-
Y.%ESFR^_WUO|LD|T).74- CE|4|SA, %::N(E\$ \$, ^ M<0,A\$8^V*!+B0Q_K5Z#9|H|QO/A=?
L\$A(X6=+^@>9'2U>7513V@^:G+ #6JC M&;,%?*[9KZ@|I%Y4+5!A12BC-
>YRCK#_F|=SR<<'5@ME|'_J_@RCDQ)SHE?7 M:O9Z,)RL!6^>6|
1\$L|,1M:MUYAISO?;,38*ZU.D;TH;:Q|BB;U;1&4J@|
M.N*Z/U=BX!@GKHQD%&%PE|F0E\0"3\$,XIV/A*VC%_)!P+>5EWOQJX|>&<,X
M>*Q)P%HE<'752(IB8PC9|W<2?(T|K;H'B|VHEEY1-DE)Z;R2ABBMH8W>%P@Z
M)"B2HS08C;:M6^MM)62<'E |(&HO%8Q|G/!@%U_6<%D|)R/8VJU*6<8@6NM!
M|BQT*HYDM.OXY(?/I2M9Y< C@;.\$;_*B'T" T4_10@T|H)A/ET@4(+M6JE)2M M5*7L-I:XAU/\$QDH^0E
=N+7/7@7NUJ|S|1F?V)* 66IDS=L3<+*A&R'-1.K M,(8R1=>Z8K@1Z>.VOVP
PC%5V8%7|_Q%XQY|*Q*|1ZW_.^J|^<@)%'SR#"H M>E&\$L;63W8KVTFGRCV%6J3 %FRS!(- MN1-
^&^T)'<7IS#0WEPE7;_YF>_.29@VF2NT=|JE9|)Y7(8_9.9! *_VYP MD5;=|+RV.8(Z^9\$,&G5V-
GV#UF_Q'9L3J\$T&7I0>5L(9C;^XH;PYA5@J?6 M1K@-

Y>/V!!T(O2=29*_P/6C/4061^53;P04!2E39^^2AB\$*OK+-,V2'-!-!
MQ'#118=&1>#Z/+2\!45;%,,:R!8T9P2M;FV S M+5W.FY=I/D%*7_4M>^A!;VW>D;+N8&O!;:#
!+ZP>,87W^G3+W>M.M;_(R+ M2SYAT:0LM \$R! :45! ("DB?!7.F.GH\^# MRX--SZ25W#=#!FD2%='=
<)S7DJC9,Q!ET\$63SR^!XP< MM1NV\$ET' NA^4+*#A>6"TM)\$@*QUQ0L#JH4]
(-646&9R1);SY_=C!+Q\$LN; M_.*9D+&Q=OK&WC;IFA4O6+-,(RU04%Z+^ET!KVQ()%) +FR!
ZE@&QU\W>-P+V MCM7.V+.=PO+KIQ?SOUZDU?3!/=7C05*8\$|P+@0HR\$|2*1!6:KC74NF03&! 'S
M*+E!ZQ2G9!_25U+4@7M@0T%V8(Y^=00^A!_K7NX3BT;E(" +8R_-Z!(*%W
)T'5VKOXXKV9LQ09J_3E_#| O^ M/E\!58*#@Q>I@#&K%LER5I&803D4G.2N3+>MCY^X+<1?:X
4%X*O6=V5G\ M|U>KJP7^25|FY=7E^G7T|5ZB0YS+_3*X<|D=^?YV\$.Y776UB1I0 ?G
M:\$O.ZUIQN;:\!3!8Y"-O!>RV/93?OEZFN+RQ!;^N\A9OC\$6'R/MYJU!.5NY M-0CD-4H?&(X43>\$!?
3U<+1Z\$#)V2V1JH)0.IN!MS99OS?0!_M!1@OW%UY\ MQS_GL|776HG-HDK) TMU=J.1&4*M,C/!<.'(
7&B!9G&H;2./!-L/0NF4Z M@2K/'++-!\B|U_S"<|1%W(W*#H3A<)Y38\$|F@B!7|*YS-
7V+HOT9XDCGNT MVQU_#U'&2@(83#(P'Q3((4X491.V+,0.*9=:YQ;O2^X175|0G-?U9T1 M-
%|4>NV5TY+OK\$WKKKX'\$3INU5QW(#U\$ MU(FQ47G0#61= DD2-009)4F2"1|M9AS->
(Y;^M8='O=250>E!_R!;19OK|_MQOSZ|T1_ ^N*R_C21++&X,@'ESN!^#=#)*
<6"BT2|3VNAE\IMT#Z^PSX5V.8LB\U&YO8S|X2%J.A?T MK8_O:349:7T"FT3M)\$X|2JPM>'-\$FYAEM?
WN&/@;|ZE)P3NK:HSP>#ZF#|& M+ #%P!D4!4K3 @L!L#D:(JF9)Q1H#@^#|/>@+@OHHZ P#^?-
NLR(O0GD0R@50 M+'+P!\$%MSF%49L*5<&H4=G1+T@D4#U?9&>!QXE-
1*7AB@/NZOKBL%Y(!&+.V M(*NE6*U3Q'Y%T\AW(9V@;B_%= ' #LI62)P_-E2C,2V2@\$SI0(M8),Y)!8'
MZYS2XB2HZ_/&8TP(-E%9/ <*CBK_JCYXEU8U"N=|SA\$R=,6QPI7WO0K7H8I97*,<.9AV)B
MJ(>|!\$8+T"8J0S&J;1%%|ES)M1+=^YBM@V\H,G\$VH@S9_VSEY<<'7\$276@?"ZN* R+V;\$SQ-
S;@H;J/M'2!T@.@| M_-UV_81\$TZ_UZ6U_!O(RXFY)MEG9T'I@P%JH\$0'XI9D\$5ZGLA!5'&@_(U'
MM/0'H\$-TO=U?D|P(W?,>78>S34!%)DE|@&DDD"Q7BB958B6*LQ6.N*-[N, ME=KA5>-
>:S>&R1#B|<#<:_3*8;!--RN\7\$Z*3 *3K#->C*N=
MV'5NGC3Q"Y+&3A4;Q@=JJ8VFBW*5QY0ZOZM%E/E"MCZ;+MY-QSY)?Z_9"5);'AR'8+.M M-T 9G%
(3,W)M;5Q0'G8?VEOR&Q>U;.%&1@R\BX@|UK"TN?IE|FTS)-8;:Z M%;B'FX2DN&!--+L,XN*9|GJ)-9F7
@HOG66Q=5'Q#F2-W5:P/<2&TDD', 'LS MHV?A8A|_P__B_S;C| ^+,%L25?/%|V&Z^,|P<843S21*|O;
MND!^@"X&8BP*K">)2)\$VR=7K GB6-/@1T.?D/JZLSN0U!+|_9_5*:5ZY
MK,H!L/M_M8A;T\XGR82Q7)O HB)N!9\$;X|P3A4>V=0.WJ9QB+-UQI>:FR MMBB?Z8|?
S/*KZ0+3ZE;BFQ=M8N%;X=Y<8|9EM_D4|T2+*\$P7#\$\$3D=0BW1PC"
M9LC1D2",M3FT;MW5@NZQ8X>#D?30*TY.RYH"(@CA-9/'M.
|_0J7=W;QC|5|N9PPX;+E/\$!QNA|Q.@G> M_.Q9Q="0TM@XIM|\$QMA?;'
M\$F,4_@HB0#.'((D5VDA3 "_9@ \$LT|X""M\$NU7WX,?77 MLY@G/!E47DL@7)M;WU@W8U' &.5X--
I+-7! W38/YLD7C%M*T;B:-2.^8ZW% M "BXFV4":
|V9HP(S,=:9UAS_|3.4)B(N127YH+G8#PMT|QLWT'PP+!PKQ M8)/P'1=Q/L(IXOTT\CL!_!E65XOIZLV-
MY)CX1-A*\$S\$+4BD4M@TL#-+WO|?SP48<2S&A\$KM-!>6WYE4H&CR5_EMF4PCW' MYBFY0_#1U?
GB/D@;XGSO*"5W<\$080@;?_YK7BE>*1PIB|Z 3*QFJ(50!R1P MB\$&I8H-/Y'-T"/;^KLZUQP;V
K2N=9>HI@QT=8(|J8/4NL_!-.?O^("0VTD,Y\$Z*&XQUM%.L4XH*>"R2B!C
MQ,1#%C'U.*CO_.CJ4'UL5!^HV\('K"=>*E^4."S-K5-?P1O4\$#./H;H,#C> M>A;QR?
*I3G4M.#:\$|U)B!S?<_-(B4E)F5P_H^K"SL;|VT+!00XL"&GL;^M^ MI_O2V-
7=Q"D!N9=RSM!J/ME.B2F7'-,*)-)Z4|K0OB%9_IVRM;:D@K9U'Y!6
MM(,M6A\$|L#91YKDE|Z^S4SY.E_ ^L)B7Z06>- (=OY))B.PK 4HRSEY*\$S%
X38%VFX/%V_M=U1YBD,YEWP2BPKWVM%%.UVTR&\$@T33%J* M5JG>S^FHD_P
M'*+C>5.|P29/TDX5Y?73&2IG7)DEI/E9*6EKU8:#5@699#\$G|76U^5;"1DW
ME>,4P#E8|!#UAYS^F7|Y>LR=%TP5_X4!2H6"M*\$S9O1C)MZLIEB|IM9.^A8QQ
MLR5.@9L#1=X!;O9P&=>=F6HC6\$+LYI6AHFT,HH!5Z2#&_1*E|DHS:?F'D+G MN/9J)+=|
<(7V"=KWB^D7^G15BTRO:S-^GRY3N* @7WA/!B^ R((B2"PFT(30 M TBB7WGN.
(O##+O;G<8>YD\B9I?P|2="ON'Z!UCOV&9+^B=*US>9|<'4YAD MQ&24M<,"-
"16K8A|FYSTC,S#"7I5|4-R#Y,K^P%P4P7WCN>;M.8G6!7;>JU M+;&-)&:1\$GB1)1BT0NJ2N1?
#M"L^B-P>YE_V@N.&BNT>P|=9S\$|P|TVN27.) M9*AUX=S@|0TCL8TA| ^A\$.BF*?
T?P#U.TN%Q2^7VUR#UCM\$ _B;G/7/L-GUY MP^|C=|!%- X|3"6?
JE;_UC%2F5L*4RG@C98SY+MT.6I"3 _C-D^ U'&4UX'=
MW=K4)7.3R.M)8!G)31F728;(H5C%O"HIQMS:*3BX<|!|S5/:"6/5D6S|/3 MY_|<2I-^|6I^%5?
EZN+Z|Y?EIK;|%'DT1Q_R9\$Y*_D,DU_#C)1>.P0>;MFO M<J<|P8T1^|3Y
3|UL^J?;:%@|3LY(5(>K/>_!^K4.?SO9GEZ?KY
MFS/!8+FPF"3DMU/Q\$\$.50V;RJ_#B+*G*J'(R!02GT'J6B:@HQ(1H)\$I^ PV*>+-9C+
|@05@|+F)VBKC1TRUN\$=I=_?7S;|S>(+%H8H\ M+|A.-X?
@|16>3&=\$*@0T5U*/+/95:9HVI=|WXXM6>3^#"@H1Q" ML7U""^"GA_M=BNJ)
(H"PGQM<;I2)I74K:&Z(KM1\$^>4K6F6RC#@9/D/#P2SK/ M)LIAA/W|&7V;|5@'U=&65-0&
Y1U|XJWAEP2=J;EL1S=N3P^|;:_ME,TN@; MI7NH|D@O|/7L?AO|TUQ"?|JZO
R+/_/RX@O|/LSRN_DLI+2X"A?UE/=J.2_K MB_C3W4:WH&C(:^GF\$AOF?MH;'K36"!@K6CFO53_D#
|B<+3(1'DT.^.,|J>7 M\)|R|>H*-R=[V;L@>1|4|'6 _M?+A".G!;|D)*UAE(-2A/Z2.P-|1L1T ^3Y|_FYOIBS
1E*5"!% M8*"<%;6UJ@ ;M'"!F:S|=|GJ)Q07A:=#RLSVVG|@Z 5UFH U6_X^P*;RYN MO1'&".&|
AURT9UBQ(.QP*,P%CUWOK3N*+&-CG%|UE+|!9|P_X_YK%;5R4 M8NM8*C+ZV83K>??)"\$!G
|^62^*Q,72V4S+N^?B X&D@^ |@L|5|6 ?3US|\$ MVDYG;"(F2,H08>3=%8_>2W;(0JLY+
(NQ1>1NCN?8KCLY*,& M.BA)C+5|FD|F)UYT;AXT'DQL=YD!0^V+ ^NQ3| ^SN^|YO#M;9IO+41NKL
.<;JVOC|2&I2(>I+;D M4VA'(9;T#IB(PN@@DK7=M#H8-T/_/70TNM@'UUT@*>=I/8P.6)2DM1!VTC6

MG#&*Z7T&Q|T R|EB\$17G^02I4+|FM+008V!.\$#J_-U,83 MBROZ#R?!))ULBN42LU
HESAYT|:"C"DH*V4)HG6NR?%4=Q<&|0#F=GH^LZ%- MH|_A(M1?K3|?QX|+|+
T<47BF<|[^*#3.&2Y^A%DF?WWZ;=V0>I!4OR,(&3+# MKY5\ADGLS,>-P2NPR;#B-1:#K3?
0MHET'Q9S\$0#JQZ>K^-^8 M5I_G|Q751JP=>(5&|{(7Z^|P-8E,9:4 QX|JRTY
M\$**K;E6RN1|P9=E|3,N^-(|KHxz%RWV5N?I',B=N|I&5Q2:0A@G'"|AB*Q;S!|X9) *??,
<-Y|/5U^6D&":C8AHH3#2@8K3@<@C@|J>EBS(5;'V|?BBM7?F-^R#F MH>\$|B;
(Z|!YWY?.F0_U\$!">9+^15^J68'FI/9\$SH#\$8?6%UGM-(8+RAL2NO
M|!0@/\$@YYP2^V|;R\$Q%#B9E*"8%4)*^(Z-6
)B"S@B"M|WB)T8RK46)H.O,0C+P!6(2!DP,64H1;7(|M^BQC_)L=,9B8!X>.)@Y0^2X71C&P-|!
MZCDC_ 'W^B@L,957+;DAL4=>2:QOK/2G7X.N7;)|SHLP=BP WE\$Y|KR)4;;@ M@Q1T1A"JE"%F
M!WW7(SO2:0HW7GWYK:4OIM?XFW#|&%. /9|^9:'?|?(89@SP*R1|E=IZO@| M#8I' |%X#2(RGK
DY|J;@&:-H0)%|BIN9_E5|,%IM5M>L?F1>LIVKA<;60| M*=88*Z,"&VKZ,!
<18@D(+ 'C%CLL>;32/8CL:L3OWWP|:@ES("JZ6"7_=FD MK|I<,Q)-X,DKHIQ5G\|%1A%3%E"
<0X^2;Z9;'ZD|24Q71W?'H*F-N#O S7W2 M??
%12B,A.&5J&IN&+D\$KHM((2ANF@|+WA<:ISI5.P8;AXJTF105RHIL>'@Y MOR1RON)L28|AYJ/7=?
=?3N,%OITN5Q-F4Q\$N\$E>&)*9T*C6S5D%6R;)5.D73 M.L T(\$*
|.C9K9WV&4-.9I8EN\$A_#|++^=ACB|F*ZFN)R7_WSS>J IA+|ZW:"S M|O?B=1A/'=E,+(H,Y'"|Q4#8E"
HS<.&3D#IXKWG?COIML=9_AL6TIKQO5D)M*+8/. *4|. |=EO!ZH4\|@*-3F|RTASI1_6H
+A=N|9G2>O*,=|'#T_W M:FRGBI\$'L,VPOH'*F#N(W|8NI1|?%M/;^/DWG&&9IBE|>UVOGJIG.?\$\$
M5F0%BFD&OM2@1&CTM:@3F|?0|D=A7R|!|/SDRFH6_B|O:V,R|6P(FL|(>TC
MJ.2(\$W)ZFA\$P0U7V6+KT/ 7)/72R*|H'CB\$3D;NTK.=E?LK=1,-O5HQ>O MZ.75HBIBHGA V7'
!S'G:&E04\$#|ZT#%'85.L719^0(>1&XSE93\$.O/KI\$. M3-N6PMS7?|
<|,OIH77L;"W0W0GA1|^6WC^6X#9\$1%|SR3RLZDY>B3)TAX|" MD,4F:S7|/|@2-
/8_@8%\$#.02>.|#TF=C7C83P7C^;FT4M8Q&&R0"Q5@4I9|X|
M\$QYDCEE);YU4#RL+CS&S3Q+275>6DR'H_ /<1HUGB|UW|UFZYC=C3LBD_QW0
MU,(K#3X61GN2|B|RR(5_6*W=%KYWM'37Q>6|S'R@4L|\$Q#>%FA|N H'B7C>'
M"2O?;P2|/\$8|;#|)R+C7MV.|NVWTTX'7>^J2 MZ78Q8|Q"Z#NE_'BOS|FW8/0;7 MW>0^A!_U/Z!UANGK?
+&B_ ^SR%<95+3#GDB-7/(!M<2-80)7*%+\$J&2JK6'I MWTW,V>XTC7S3=BPX|K)F
VGJG!#Z=C|/5=/EM?OWCN|H"3W?|9A| ME=V??GQZRH<-,I&^>UJ21006DD-R|E3:&6 MS\$!
(&\$%CDDPF#&\$= ET_\$=6' 3M*|3O Z7 |C.SO_SE??N*5|M7816N|RI"
M="A=#"!3R&3<=9U_ZCROX#TG7|9(^RL/;_N3^X/"\$6J;_Y|AR CX?ZYFTV^X
MH*CAK_GBW|4E|C4/+ "EEO:|/W%=04T|&"W!6LUB""Z1PUFMN'@j>>|&ZD-
MAX8F|AP9\$^ ^+3^&RV|W8#9>Z"PM,&|I*%T;B3CK("F)-N7 |*,4|FU ^.FA
MXYZ!#Z?|PR4WLLKKMO@)T|J7X37U1BB,F5DBMQ0"K%00N<^ HM; &%%62V<4 M/'|RN.?
3PRG_2|F.G%|JYY/7*YG*P>KK_%YG_<>?(KX+EYNAGEKZ*&-1@-ZD M3;KB"
(|DTQ\$)|@H&LU,O|U^D7|I#8R_IC_-&/'=5X|AP?8J/FT3DX"4C^PN: ML5#%ER%HI(5LN3_Y>V;M3LW)?
@('YZD8+T7|= "B8#Z*2D7?#_Y OKPUX=%E' MI-W;E5A'Y,G3WMZ_%L/O*Q!5_PNF^#M
|>#1\$OMS(1550?G*9|78;8:6UQ M:|.+BGRNH_-1.8A6U*2N+"&@C9"SD\$8GK7ENW65D"QF|3.
<|P=GC6F|JL/5ZM/7TF0'ZX6Z6N=8_&%@H^Z+=^4-E'\$D#4&2*%&#@6W+OL8FK=E/=)8L:-
|T^ZC|512 ?(ND_ S7&(M8PJ1,"Y|E|A9+AIK>FTT0=\$3EZB?FB-CH748RI&OJ|LH|YY4UGW@)8Y!1*+
M56V<|^&&A#4|UV:5MG19;% "0@ZQ|?G0U#RF0_4|B1E|SWIM#YWF2QL71L1I_ M"*&XN|
39OLJ'#QQV)^|6TM|FF9IG|I:VM4|ZD6EPN16WG*B%J6G!"^F(5 MDUF9UFUO?
T'2N.V|3|K#M51.WUB|69A6:(7>@_56@2J:XA40!"BEK(M1<(:M M&OK|DJAQK5=3".P.KP/TT10-
C|@H7ZH|97?3=?T4=I7AN77="FRYUM&BO_M#3=R;7GV"AQ|!RJP|,
|0=|4P463.L936|7V/H;=:6|X"G>>.:0>.|#L@W|6 MOX6+6CKXZ2OBBF+I%SFO|Y)P47F^F"^O2-&_?
A)0-S+|OELK83(5AT MDCO(#C.Y/" "1Y2@T1IF"|/"MFYU|>ZDCFOJ>T3=<_O%0!_8^4#|Y><_BS,M3:
(3D:B55K2CUD!3DM,7,T6!;GV.+#.ERL/XVT'UH|>W)%C,90JYZWDVH'Y
M^W05E_@_5S6_X#M|N;WZ29)23=01I^8NEYFY\$!'QDV&D!AY|4\$B^_K5,^T<)>RGYP%M?
LSY)S.C'TRU4_M_6OX""#W_@!T;5DM"l;8Q"@RDZ\$.98| N|X#KB3%A,RQ4|HWJ|Y&2'? .43) MST/G (EW
)LM%OKM;0^+(++)4C@07A10*EKP04D@|J'@";LU5U_ |KJL>|N_3V72%;^LPPS>U)=.7>I^X;=:T
M7SC|K6V;OL_ |I?RVQ7%V|G1;<^,R\$MDK5Z:X.5\$Z)A!H2;|E,XP7P5O/ MM3B&WNZJS=K |V0H
"N6X2X2>E:3!-.%'/6&9,@8:!(=9VC)8'X,\$DE9F3 M,CQL8CS CGQ'4'<%;FWMX?%*&D;WM9Q)-
I@F^6RRO,+|.WZ2ISR)Y*)-*!|;K\$U8%,5J*"7HD'T4V;FD6|^B|4+7N"DQ@QF^ MYBKI
F;SA)B7OY,8B2;-7/5U>)>'(?+2;('UTTYK8TU5N,&O\$X1\$|L|6I&?<4;C 8-1)!T#Z8S|/?
TTO+B8>2RE>)G!> M\$|W9;?#&(O6&/FH\$ _C1MN?ZW3N|Q)|=2 X2;0>0V"*^|Q'3_,ML^K^8
MWY"+MYJ6=106S6*#?)?_#13EGYW=7G_Y&4YD5)HD1.M#(_ UXIZDZD0HM>./
M"='X+.50QQ&-6=GM8)>='6)|T/QYM=Y|87"|"UXKD.N|>/'G6|Q76R|1 =M>7=|Z8"-
>@_B^Q3|>Y7Q;)6V8\$-V%&X*"3'G LD3|J,O6,0)C,QX_7LYMU98 ME,2_TJ
T(D1)*Z|P|TVT@0F7&_/_#^K?NPIZCN|?NX^J.G(+^O8-C<8YQC\$# M!FMKBQ,.GJHM?1
D27IA|J\$> ^O7OI?^?O?LHHU_ =QWKA1&LO .&)>^ MEH)&".8:T\$6A,YYB=M7Z2.1,^_?NI?JJ^_?
NHX?^ ^O=Z;X436M-2XT2|8@9B M2!;,2LC)) ^6B_#|/I^ZEMN?
H^XCPU|H|PHG>;&Z@!0*07\$N21PE@79.,X;2 MN|#+U>2Y|N|I% U-Y#EVOZ%|F_&;&:E47O-
0N\$S)>0&2_@&5%=G-(C6D&)/2 M'(W.,|5T?>+YW24|_.)\$ \$WGVZ8*|7%>R?FM3>
|GM=V=L2B1M^&H;MH0'E> MP!5G(GE4I:L<N"5-=?D7EFS5T;N|_-
E=@!3F|/DV4MGA*&\$VT5?)3Y_?|2+P#I QUBBN2|2A<@5(S(E4)Y *MOVJ*NHR^9)O\$";*M3W9^?
TH_ ;5 <|X""?|BRN/?|1&^6*I7;)-B2&\$(*=<= M@7G)DTS(%&N=S+ |%P_|+PF^6Q6Q|^9(=|DZ-
G|R02&X=;19 MFL!|.)>@1G(D%N,?H8DD|Q=;EA.VYZ"Y_ ^&S6Q \$H_|=XL97W"J).GW6<(J+

M+077WKD:%?,\$3AL.% T+G&09S*,>^2,MAE^QTETR#E\6\U6X.'U9 M9BZ<>IG#4W::00[8Y)WA9-
\$HC>>> MB7Q(X%VKJKN1S^&:Z,"106L(M=[T!7" I33DG=.4+E3TT_ M.%K^/8#I>C087!G*2,Z'YI*
{(I5.>0092;?3.K0^;2Y.8VZ3X!GS:A4#1?(AI,8((. MF&7"^A&.:L@P">>/_(%=A.E-
Y'=R/HGAPLO+J8U0^V=OJP 6"2IDU0(UF95 M9Y45YZ\(\L,
<>44!6PBT LX&,Y%A[1OR)A^TMBG^B<>//""KB>L;2&[T M+7WQ;;X@3^>NP\@-%UXB.
<"*0:A'0RK YVM%!1-K(N&!H;\$QYER3*I\|P\|@29 M1IM\|\$_F-O?-
/OWS\|@(\R7US6IN(;#V8Z^U(;BR_JR7<%^9VA2S=6KA;*J&+MB-KK3>EDB30+
*-27!O/1'f8NWVK8W#8ZT<>.=#&;SB!Y\$<&5S6.N/C9*PH& M(S/6@8W2UB3S4J\|%-
A99""IA*P>AI;;@+/ET2-WN6X"BF,EUL%)PLT!R\WE
M!B<^V\$M)6HRV=MXP\$4)QY!9D)FR3B33.DW@\$1&HJV.WXZ3LX=->7C_.+B M\ _GBK\|(#(DZ
22F4R>&\$30C0"G\$^F\J'):EYB\;U'0&TAHX^#\,5^P1.#I5R
M1T"9!,-DE&2.VTU*,DS1,T\:"^/N.T\AYFC)=V15;MMHC2_6J=IO,C_?74=T\$V, ""\$J6B#9!_KE1_|@
MZE@)E\|V3G"=B;;A:C<)&_?;"A?%0Q M7AL73H@389+EP)TAF.?"(3-O(#*KA-
0Y(K*|X/)+XOK8SMIZOFTUT\A><"% M5R\$D50+X6*MY3%%_0C+673::ZO#UP?
%U5X@&GSO&@)\$\|FZ=8G(2;(MWX5% MS2\|CH,D4SYZ^H"YDLIS,DHJ9 DE\F|^)^1-
/ORB\|Z30D#++S7*#-|5N<=9\$* MR4O"E\$(\$Z\T%A8F#T\F"M^BDY9Z%,EQKL\|_-
A=P'+,NF0NZCB0YVO.&51W3-1R:>7RKD7BK?*Q5R'_GW*.;2;G*\$ZHH
MP\|5\$D\59(*8L@*C@DF2&43??&3BN:1"J789U,AIY%RAY>.*6)Q00002F/M M+<|@&E?
YJ1"Y.1(OB\$O-4^4%KF7DGYQJ;F/Q.XT12(X62)+%BR+"I2/-0%\$ M9(HRC')26AE%U
_F2)QHM3*0X%S"LGWFX45DJ>7T8:<&46.R@8'@3M&)E;+M)+S5S.T7OZX+*P3Y6>"I%&|NO
f7AFFN%O/_X,_SU?O+P(R\W&&Z1B@6L& M/'H)*J\$&Q\ (DRT3U@;4J?6MO!
fDl9EK<8Q_.Y1N^H;='6/OPN5M-T&,1(;O M\$-'2JE*%%FK1G!A-ADO%G90/#WX&A-
XV\$L=UF0:#RNZ0/%IO(^)^K_ f7LR_ MU9/-14VOYA_ ^?&QCG-=?B_|/UNMNY\;_,M^H>
f/HV^ZOF3Z5:%#8SZ*ICHPE>f77W'Q2)X;5M!'5%() M0)8J@1KDB;Q(Z1'(21JUL?
V3Y#SK@f|"G0UUhG8X7,fWE9_45R MOEY;U;-
f.5>,f6LIC43\$ABVOOJ;.=>B43R"5\B0OY='M%!'7L^L)Q@X13&;)A
MY#|B\|;+U>0CR0O7C@;71)7V#DIU+Y1E));@:& CCE,G)H'4"/Jv6B=ZZCW+ M1#_ =6:6?7CAR9-DP
CA>0 M1&0\|^2_4/E/+OU9Z8>H;-Y"?F,K/OQ\|CW#.5#;2!+!(FY|2CCC7L4"1ECXE
M3TCPG>+S7RG^_DO'<3>;*?Y@^740DSPU*TA*82R+!KB/Y/LF1BY1,fI0Z<)M MM!*;ETH<,-fKN'+O
4X#6\B\4^C\|#D\$68I<>@;,<^5K%J"2\$>ET7#3<<:1-E MI74MQ9F.YMI+f7N\YMI'#
fT.X9\$EQLQ1@DXUR5(R\YXQ#M;EQ(IS'G?J*7#4 M\$)X1QW3MI<)=AO#L(fL.C,Vf\>1T\N5?%-
"OETP1P2L:'& ",XW5DL +^HX4L MLW;f;FM+ZZJ(1T2,W(=B@+Wf.#GW;fI3KQ9-
4EXQ30BOW7T\|V+!)_,@Q&% MW++0>A_ :0L:X)N9(Q3X'DP.D//9QZ4^_
UF3RMB3!0!='@7Y0!3SG#JS5GGY2 M;N'1>.=MZ,f6CU/-J7;1U9CYUW=-5;
f21XWX1f/TNA;f.5f#2A&,5K@&@G@B M1A+WR1JQR\3Y\|RfD5*2Q@TE&8'N\3C(AZ!0@3NJUQD)FL8-
'G@/-f)PE M,JL4#43;_ =J.C)<6Z(fW(GCY-P\4-Y=57B_+S\AGN(UQFQ&HAU9J-?/=;(5
MLf2+EA02\$B\|MPN1/'="RG9(^"DT.5.^|N:P\|O,Q=D7\$RR93(-5UH\$SPX')
MX%WPVC"90O.Q7WN5;9^PS/885!PDSPPY\|.*/^ B515\(>OZ>Y@NUH,5WLQ>
M_YTHZGf2;N8MO+BL;0LFZ(LHUB,DKQEQJB*XPA2HZ)*1.&)^Y)HTC5?VHK;W M;MQCL'8BG76-SB?
JCE""S@Y;f5f2Y)<0A1f/+QA8TZ%2YP*)MU0(WWX(TG MVEJP(V3=6*>2;79-
fY,TL+#\$M\A9M_3P23M_1D_2T+;=>AS@f":T%8GKB6 M;G7SB2Q\|\$SGN"5Y;G
VKH6\;#0\$X<4V%F\|Z2O&)8D8%|PT8HQ,9X!)H84GB MRB66@E"HL743P%WH&C>Z&P)J#?
70@8\$;;@IR8(OGGLDS<(SBEW6EO=49,"01 M5,Zf)ZGG.X\|f7NP#KEM\$=R#MCL_3-
f1AU"&4U45D-MA!+2M\J;5WL_U2 MFN2%E;KU.\$&PH^PZ0="f%^OK*8'&3"OTBY\T-f*1.MZ9H2(+V
M18,2P4)(+M(7fIOB5N74VA;N0M=-J/+G@:KF>ABf7\ (3^?109A\6\QJ*OYNO M7EXMJJ O?E
P3O-f_Z\|K8M*FN1%JT8(ZJ0.7.<f|<0f^_ MV\DLZQM4)U/_>9COQ-4f+LY#1HTP>A/*%P"Lf1/T& MC
O+C\$ L_&fD+H;9>8+<7;S=>YL8S6+X8fFM(OAZ(H#;G!GMR= TM,A+ M4. E2Y"0T\^1Z
UHHZVfG(M@f"lf<;3O\|3 M\|S\$WHG/%H9 \H;8ZV+L_+f|@'OPR+?f?
%MOZABO"V39NV&)EUD.K;4K8\$<+X(M8-\$EHI?SE%L?
*3Y+T'DUO#@&@>WU,O9.O'AWCL)9B"POX,.*C2OC0A9@9<@A M!"Z2?
=@*>OCN*8.EP9OLAQU\$ _CU4,BX>2^|N0-8(GOPJ#9QQ69Q-./" Q0f MLF5.*f=V.?#ZRQ>-LR?V\$-
BVUT,V^\$S_*f14TLHJ;;2X-TfJY M4JQ;G##,T@5,7P"KUKFJfQC_G7?W_#V1+GY22)6,
<0,f"R5C/YC)+0 ME5R2f2(G'2,'94RLT\X52):M1Y-SB6>9T+6+K_Q84^f\ (fY_ PHOO^.=fMOI*
Mf@0%2TS74f040f43(-@H(<7@,))Y8?F\$8S)VH/BQ'3AI?7 S;(f;-0F^8/42+ MYPE5PAY_-#E.6-
>AKUD;RLfZ3QFK#V>*8,&F*%LW_ CF0U#XZ+70)UfTU>9; M_7U^M9AH)%X\|JW^fTOK
M_>W\$9EY"=fYD*K0F6f|OBf"9f M;UXVO(6?6Ef,9^\$CfJO%8CKfEM83H\X>K3;EN-\$AZBU-
=fA=WH%7 M89;1)HIM.0R9,*<\$AS(C30AT;:<5>NA+,_1<f2=NWGVMI6_2>f_8J@OR^fG
MM*G/W@WGRU^TL4F-U""VJ2VU+;)f4'5%E8^2UNGMI<0O""9-=^R6Q\$ _W?
N&f=|f^7+-9DYA_7^#_7.\$L_5A7Q*%13&KE0(B;"fA'365 M/f#!#VU!-
BBGMAV#_fJQ.D'A:P#P%VT;;ZPF0VQBZSMP/RB7-O(0<0,E>0'O
M;f;FG9)\$;SWV(S\$J#722Z=06fZNV-NfW8F70HZQSKK*S&GP M*I@#"#\$SfH25S6^'=J"K\$|f"U
L;_8#M*;SVAf;8X^F=)@#(L@#<^ RWJK#;J9+%YDf5f".S\$,C9\$R"f\&L8FZ>L+BFfFW MJf5R+3%^4Z-
K>+8Z; A!U "O5B=EU!!Y5B;\$G 4;;"M^3\$XG.&L\@J?@=Jf1& M.@67N&'%,Q<^fR'2S4QEIH
SO@#GPFF/M%9EZW3V9\CI9+,=!5R';*13<-V, M+fU%2>G(YfC"U&;6PH-
+BA9+C*PX69QV@YV@/'9GY)X/HX+K\$(WT_*f|f+,S2 M-
%RfF2U7BZfJL\U4S&2U"W3DCF/M;\$TN*RQ'E5fH(H;(.%JGfDfOK2VHMLf&1=MXR'CX;2+Xf74=C^
MG_ PQYfA\6f<_7XURS=^f577%3R'RTBEV*0f=6^ M555_5G&(0CA;1%D52Z_)L76FZ9/\$C)N?

WPWNVBBK J2JF=&S<+GZ&%9XTUGY MFI(KB<*E<;4P?H2@DOI@PY6FV5*SDU|^>>IF;<./IN<==
(71T|HIRO_X|M?0VS+P^9R9;V>I #+'5'H"VP:8K=H.V8Q74<9; M' ^_O6UL%(T,&)TFF[Z>Y);)Q:MTD
67J(63TC:~J-R2@9;:/=QE3(: (CI8 M#AN>MQ0[W-8Z,)VU=HX!!HK7E):TM-%+L#XRS9G3
50'.KIDJL.\$F-,#9CZD MJGJ&XR1HQZ*5Y\$>O2U6I#>1,BPC>%X%&.F::AIQ/\$C,N_!HK?5=(f:6!#J!T
M;TT^)RM:~12/90Y)8AWY\$C.\$C!Q06F=-B 5#ZP:/NU'625I6Z#9N #UVC|Z) M48Q:CQ*DS+3@O#%
JL^J|TRHY2)K5/SGZ=H7),W! ;V@ME>"NFPF^@M2^_" M8D\$/^HX-JM,?:M9W?GS5)ZBHKR."\$C1)<
L:M*>51"+X!NNHGP?Y7:PB>Y8<.T M22RP",P;Q!|#FL#JW?738\$S)WRCRW
MM==28V_5(IW4N>T%@CVJ1?;12 ?@^D3Z64QJMZLE MA?O+Y2?|LA;<>DVZ@IHQ'ER->W\$S.?
3E??)LO2\$909M|QN;H_BQZS#5)XLKGXJP7=@DMK>^?JLI18|0M:QIF1E 3/I#*B2"5\$SPTOS;MS_-
S5NH,/9 MDR.B@^50BTGNTF=O13&1S\$?F&\$F0_)KDZQ7-9A HE;6,,|9|S.S)TCIY+SL ML."8M|=4)X
C(:T,WZ:UESU)\$- 'B^F7M4:7\$U%HI|#D^\$B_GHMC+(5J6D)" MF2AZ|JR+KUJ<;SU-
T J=H>#72&|-H/!AW?#OW|I_ T5R"Q?3_7|WE0;^?+ MY807+6V)LHZ|4;2M1 2'UI
O7H+4CBMLCL;=#*O_ \$+D-*@?0X |HI|MTSO!+ MG3"0 M=TI75^M?J((4O?KQ"6@Z7TUGU?
^|N6BZ_T;=U@ZA|OYC-KL+% MB|OYU6PU89\$+@XF!K)W?E,T1?
DD9A11*Q|P^:&Q?|0#Y^ ^J#@/YTZ&B0|N| M _/^O976.0/BVG"% F KS81|H<|IT:Y5|S=5054O.1%
MRMYI4Y.36E_B#<7+N+7R9|U0VF.E@S5S=XY3ZR9?U|S299U=|7I&D<1B#8Q)
M%3+64LF0N*JE91Z"ROY8L4)9)IQ4K;/'=B!KW.K|?I#<6H,=@/* Q?EJ_M=L ME^6I0A96<0 &:
W*"T?.'I<@ U/(-G'M|I'&HZ;<3L |+,\$.L%+!ROGGC.' MR^5|L5;-OV8\$A/??UL9@|F4=G4|S0!>
<1XBLUB.9J" &ZR.F+T#&4I\$*2K6WZ MCK2-VVF@'U0/HLL.'HSE?/GP&,2?;9UOI-
Q3DHS0WX7'MVO|Q|X:'XV+JU MSW9*=L*? ^?CKX&>>JP#V| (7Y&58?JU|R/=P47|,L_SB>YA>U
VCS!>?Z--|M:3U'E(VU>O7156:#R*!14=JU|RXN%CW6|G_T4VY\$*6T%L#J:OZK=?1QEOG
M7T49G.'2^2(>)JRU"TI>H^SHA.|KB:/O2U7)^E3|)UL|C2Y|)ON5 KO /% MD@9GD
_CSRQSD;'E;5=V(FS<"|D|L/H\$|2Y>CK8DK?/,USO)>N.(QD2YF!= M|:1 'H:3MCT(EZ|X#-
*2R\$H8L'YL&TDC9Y"V!|%.PT8/TTA/ +NK_*P.RB; (MNNG+I0)'1|X%|**JO\$AHKK (13,?
=Y0).2)>Kj:7845;Q2U+S_F0|12(P2|SNR-HG82Y"!LI'P M, '|:|H|T=)NLM02|Q,51W |.MK;JGU0ZL|
<(9UDMPP%PJ\$4U0\$&M_O*:R_&F\$+!%R^O+5M/GD.@-63K816R M+)RWC|K/CM^%GZ)F7#,W?
&S12|=(.HCA?;+:2*O83M/VS^|7CTV&Y>%)EZE MJH5Y|=C<8P+#+,NR**F:| \$YAMYQW?C0:N!FKI
%Q/3<;DW@7'6 (AD@%EK00GC8&@30XQ M2V9EZQZ=70|\$/<%Q<,-="DIF,&OCFKI%\$R
PM,D2M!UMX;PPA>,C=N..N>4OGT4U@'VGA|YKE)VFE#E&,|*R\$W"/P5T;976 NNVNSMO;U#,E9?
J)@J;) DI6%I\$EA81UT4)B26@ M;NT<_H*D<8O\$OCK7.TPCG0#L_EG3ZN:F<%;C@E|XK8
E|X&Z,F"#J-J_Q|TU>X|_&^,5EO8#Y7|POY|M_ MFL4DZ>Q4G=(;\$>L42X'@%%>0K\$">Z'|:Q^|LR>-
XVZN0V)O4&T=CL9Y|7/0 MJN7%/7X>XRG:-A/MC&A..WNZAV|*O1*&1US>|1@,>|)QJ_&'P=-H-
7T,)S#-|UXO(JN9A) M?D%80>+T!7RJ%XQ67C%LN?"&@#Z*\$9T(8M8&LQTVR7OPY1
M>:~226<|%@8QKF)!\$4&5FEMLLJA3&C7X8EV,DF09///Q-\$5E=X|,R-MX)L9
M.7KTR<2C\$4R2K16.)U"H,@17-(1HK15""|ZAMI&=?=0Y 2_ J2(M#B#U6|B@C0\$ _?
45BM59JA#K;RN808:FM3;-VO MY2E:>BDY|\$|7C|+?&@B^4P# WM85EI.-\$&THM5+#0"P^@!-
_D=04N9CM\$RR? MHF9<\$+71|@X0.D#T'8!H;:3?S6>UET9-B%EWX+B^G2VY%|YD:WIBZJ%X|I%
M_X^|_VMRZUCN!|_*Q+RG7?L2,2|4)G209\$<2O?O|_BEJPF?)L #: IT9|^MLM!
K^AN+'5PJJ|GPM8E1:I/+K_*RLS*)=3!RMG\$4(R(K0?F/\$-?S Z1N.| MGL8;B+|)#/V,"XI*KQ;R|GI#|9?
IM?0QU#E(9GC?# M UV*X(5E((CKQ++03+5^_S^_TEY:9)K>A6=06@?0W,'&=A-6LBY';|%*5A|4PH,
MHM'2,U|)2W#,) \$!1:) "6.6R.K9V\$C(NK1DK>49YQFL1'A,URL9|K.+Z|56 MTEOIZ9X'9|0G|Z\$^M3?
8I0Y\$/4AQ;WZ0.FGWH\$(>X6'O<^V\$O?0)-|'A1 M|J#_ ;=|5? =U:*BS)"!M *\$^ \$BT2\$|^3
:ND|BR08MU<.^@65W_OHR\$H_1F7S M%O+KP\$%X8JNA=QB"BQ)8P;IL@&|6Q:6<-
(^N&#)YC3V\$S\$S;GJ%,N&ELTT#H
M74)GXS(H*)04.8\$QN;2N0)OZVG22J#C5NK<^N'N5:T,/4C/^ZX,/43HKV|E
M*!,^9\$ "RCI3+)NE*YF%R4M\$&XA|F|L;4TY|=-U=W'D0U\$GH'5|Q/ M5|OI#)?+^F_KZ;+Z)0|Z-Q-
XI>NH0%|@|=CQ@7?SIH3"QJHWU%"QX IP6'Z+.0K'6|3|O\$C7R M:U8+U>|H^/U,/(U|^|7L^DW7'S
U9_SQ3^6|V9I8UJUYQ2A|D_'S!@RKH<-Y8GAT8FUV0)^GRW^L3T^)^BMBW MG*
I=VC<@I(60F8>@&4-C"BH7S_"4N:5GW +H,SY8J6 KL#T=CY;E;5/OS- M22N2G'|T%+
I6*4E*%P=>"@5:B|R#--|S|@O'GZ:GO|?)X|3^))Q.5\$ \$'<K| M0A8H&! A)2A)
(1VV.CN:)P7<|\$,+>9/"\$#,.GN%;*?GO1XB#Q%Z|AC9\$AS M+J<7LJL*,>=2CG4>
(\$=9Y5*;W+D@;,F(+@K&:6|G=V4C+OT;Z";K('ONX3. MYE"1.XA"1W+G1|W4C'2H0A8.1
K,R)K|D*V=H:=HZ:(XB0|OPB=(X3> 7BV M#&!^L|SP='N_ ;P=^|YB*)U;:0ZJ-HK3(ZP-?
O5U^_AL6/NX;|;_ /+3)S=Z<1DUOE\$7F,=1TKNHRL"?+0)@C\$2 M%?87NM|IME>(@*.H#2\$4N=-
SN;B|HB<*VAZ-I71< >)|\$H#8Y)^U< M".VQ=C2Q(Q?2#PW&|RBQ0|3^ ^OW#|/\$PGPE*IS13AH17SV
=M|LD.28F&|JR M DB.-^ZU;8I R/7|75H2ALINP.DWPJUIBI_J4-!EE-B|9<9162+
MM9(GW)BB1':@T1%+R6@ZO-(!SS(F1|PZ,9R+^219(U+=G,;,*8#K#V:3%/ MB'GY*TFSSA#Z+:SJD?
M1)QC-+R|OK5MW|@6#\$^9E5LXIR*E.< M_-#(3Q!#X:B|D#NP9K<,?<#5^VF(
MTTLZ\$I_FFXJ6BXL%7A";M^/1"CF|IG)GB'2B4 &\$6,\$%Y%)%#(ZW;J4_E : M1TX'#FW"!E59|Y#
<="^|Q|G%ZLO'4I>O;:9QO%U?D@_ |CXDX09G;)2 K)W M=3A)MA!M+F!MT,EQ48)I'30?
2.)>@/2O%I|#*FSD2_4|AB7^0;\$3,?0?7Z;I MR_I?
K!NT,=_^S,L|K9*HDXR76=3TYP"JIF/|5H|P^SAW_O:9C|=,T+9|P3 MSJQ6D1'|*1:Z,*"|Z8.-
C6)19=| \$@|?|7;=RL-3NE|BG+TZ&'>HYPZL|)U; M9EYU?);.D\$'9@G2';&<5*,,|1")P9%UK\$6T
4/KQ1|T;?(E_O6TT3'72 MI?7DIK=T6A;XI28 :FEB?7NJ;:=|5|-G3)=AN9R6Z?74*#I1=:LY:CH*K.
ME+H==^|SL='1^1&LMBPZ.DXAJ|F1BS|LJEUC <@ (W|\$/QZ'WC&UGP'X'_ .M%=J^+/PQ_ ^F.!#&#_?
+4@'7S OU9<_ \$8R^%);=\$M@V6K0(8;Z|B AB!S!&D'7 M",^H-;
|VMI00A_\$7^_ ;T0CZ;8;J8<>.:QVAJW"YR;5-<3F_FU^;SFXFLI==

M^WO:SBMO1\0@\X'DM9Y)Z3S+\$(A.PS%URT-*(5RG/!&918&LK=9X) MZ<\01+E5V+V-
4S=BB:&4S(4#1):\$#G<,\$\$4I=&\5A<*6K+06"PG\$?PJ9JT? M@K7#JMN5.?
8,PCV9,30\WXE_ ^P_2SNLSU\!P.%&PRBTN1P24><&E\$[AV2P M\KB4S%YS"4XG95Q2Z:
@A&J\@@VV/MQ4+NNF+"53DE*RI,S# M/K5VCL!AS\NC.P\$G N5D!^
XK75X^3^Y>E)E%,*R!#RM:Q1U B>E)_ '25<4Q M^!:%U4U70PZ^F7?J*#ZNV5+-A;+^?
=OM&\$6;Z1:,W?W/RMZ8QNKKO+,1KG MMTZE8HBL5E\G#>7%1AS0FJ(QNPA) S 8_)22ZL,; TJ M-
QPWKR(+=@A*SU=I &\$#IR.)P8/,*I%|-%,<:1<+T%5P-?:7D=1ED\$!:- MX7S"5(!H-@+30;:"G*
(TKJ\$WF9 P7H JF\$&K/?\$AR\U;GO.8 M&7\|C3=K\5 M:R>!K^I(?I>=^I((O0\PI#.(0A2'WJ&K6P1<:
4P3D=0\B71+(>C6J= M"V\4T\$.TO\14T\$.448'^/HP)W\|R\6&A2Q,-%H,(ZDHR@JA.", SV+!3/^P,2N\
VD\09\LR*JZ8!(.8.03DG2(J&?B4LHA),:=.ZNN.? M:S'B04C8>S'B(6KI
%\WA_ O^>\$QGDG0V,>!"U6I7Y<%;SX'+Z\$@XZ*1NW,:^ MFY(N'+93U?Q4 N1XF7> G-US5;V2%-
E#C(6#9; MN_A/4C/N\%*A-1(IAV@Z-EQX\4Q;)D/C';5%JWO MR5/^!T/2*_+>CU)@5V#
<:,IPNN%F8Z5-L%03\7<I\$V/V"J_I2\UO>\#9K)QW'.+%%_4 BW/(G@6
M%*"26*3'H&3S1_/G"!K78Q\3NV4T &B-HVU\U@H6=!EGRPPYLESU"%!)="R M/5?
-2A&B"ZV\HAUDC.MD#8:>4P7> 69V^9K7ZW^CD867!*7N E+!68@F:F ^ M6J\X3ZJ\T-D!\T3+NE,Y.7?
0FBNL4@)NCR:1R.L@ 3VYG,I\$"#)R,,2\$%&C M?K0K< @(\N":M\^V'A
Z000=@.C:\$*^|H5=OEDM<+:8<)P7@=,7*:G&KMDC\%2W_.D;7.V_ \$P7?"X
^S&=I\RL1+1EC8>@>)RZ4 MU@JB8G3!.U9LL/#-^V_,U F;^ M\$3Y\|MYK\|F\$L)PI:5/T\5+CGTX;#722?
|X MNQG!\B\$G4XLJ+N9")J_,'.(V@1!\$8Z0\ZUKHS?E\9>LO)GOMMONGDE\O4_ MED*GJ>Z>N
ZBPRS?|53;H;O\ZTA.LB/X/*|?>(E"6TRW9K%BE*,2<(SF?(M3 4I?+:.MJXK.4^?^*WD'QCP.
|PS%i20&327K\).GFU4%J*+*CAR&9OH_N3X M(E60HF_|\$-0"D_;*J:K*W;-OXTM7X^/6/^K=I-
T>57'H+/\^OM5_ "D4&O^ M6U@2#1\|VYF&QJ_ Z51>BXH7XGW=,1_:=?72:8Z#.I:FC>24UX7 M+
L&IFQ_.RDZ'5(J8,8ESFU@DNVS >ED0E\%D.MC_.,SJZD_(W;?Q\|C-"B2 M57(J@DS:D^M
AZQ.NP6MG%)2.Y'D<%T\|SU\$VC@,X E0.\0V\TUM7:S)99@P M+
(4;YX""ZLSR5*M4C0:\$4|(KVM%O\N03>9ZZ<6QD3ZALJK^ND/FT7*|)%NA'G
M19C.EG<\WPD*Q1C)%DPP\$534\$9QG\$A(F(T) I77K0I>3B1\^G>P)Q^?0=@?S MV7=Y\|G?
RQ\|H(T;^8R4SCQ5 M15T9UAN0Y0EGYK\DE\51\4S'WXJDZ?@|F"9Y^"46@UR9J%'DX<\N4E?YRG"?#
M\DES.QX&^CP*MS?*Y^G%EU7UH-)EF'Z\DS5#ETT(48"1BNZY&!\\$"(Q-C4PZ2 M;(V0S;>Z'\$5H?
PG/\|XL?ZZ\|EZ6KUBG*?L0""*/=;9'JK.I.AAF;3*&6&CN M%^PDI+_|Y_@.U3^?6="|W#UO\?66 I6
Y..&+9TY&)29""+4/*BA9&AP;H4\EX=KK"!\N183\FW&C\J\$5Q+H4O'@LRZ@BS%*E**|
M;3T/<3_*NLV,GA\3S;37%2:2KRY\|F/&+2*700%CHHY3JC_:=WTS4KA(123 MTG"OYR<0WV\F;L|R(I?
N1\|X.>*FMPN\U*Q\7%?K=I\&Q.Z2"* MZ,"NUKO@|H#|.E_|%|LYG\|BOK,F+M\|2)#2;:Q.I#)0C
F0(Q2*I4U5\TG M@NQ\UE_|Z0>\$I9F2C\K8:9UR0>.^FK':S)874*7-R0E%AT@*B#D4H)-E M
H,7O/#A3N\|K-D\|G\|P+3?85HFE(T7=@OW:X;^3WM:Y^8_EIHOETWPYK\|KTP MZUXA9D=3;E>
7N<.#N=7>R%*)AB8WH>)G3%7!>>B5O'M_;\HC.R>-X/6_ SI/>W5+|E-
)B):X8\$9NE&4T0RXA*#WCDMU#@-"|D_'D8\$NE98Y<(!CF\$JB"&CQ/\$12ZG)C520C3&-GS9H
MC8MV#|+*OO-G#U%-D\;2,Z6-V@4Y\;(UL)*KVI^
M\|\$'WG_ ^|'"&B'SU%'E>;88/;100YC4I8WQH2A7TNT8DJ6;KRT'_9 MG0%_|(I@|
QVIJW\$MW(>G\|GUW\@8NOE8DWL_P>PQ)ONS\|V_"BA%!<3><
M^.\$QT/&0",X9E7)Q.C^JRI\T%A7V^U>U@V&\T5S_ '=PVSP\|*D(FD0CNBIQ+
M,J'9@#?)@<@L6VQ\!#W9WZS=OVRP_U,HA MDIB6QH\2B0Z:B&29@RR
+)6DM=|YZ&3>T\3U\|3Q(\$",_*@C78Z@%T\|EY@? M5ZJM_W;JZ\7EVNNW\W2HEK\|G_'Z?R?2H_6,>Q
Z%O(VZVNV""0E*20*=|)%IR
MUN-.CB2UYUF.IT#R')H)6GC3PM'8Q^T^U(VW^%6|>C79Y8/=W1VY&7"-)B?PJH\NTR,OR\F+
("FRJW1\&:|Y; M+Y,Z'W>O(EM\|(KWV0;_5 Z\&.>8F:=&LN1&5\GRF91>3&U XH\A.QD%L** M\$@>
<6G\|DHN.S\|M 4.'+&X^1*%=@7/'VD/T-B25: ^USS904?T3E+7 I>5*F
M>|U;#VE\|CH^P'FV>5<8E8L\|P0ZJ\@3*%@XA1PVQ M;.0AHXBA=1WDB:NTQ\|E\? J6&HF_ R\|ZUS
/J7+,3E=P\=#_7L_|M7.26;A2"A>Z=?_D.NDM"5#PIA\B9(@2\T\B\ZM-I9G
MW3H_VI2\7F\|M=@C;O3%!\5WCO4/=;S\|FVQOP1L)*XS>>,)PE*^P3.OP#" M!;>S3R7'82;
|MN2B8_/_K/H/B1"T6>X_Z.<|H(YUS@0Q04)H3<0;882P6D*6ABYAX33X6K0GA(Q,F"*B'&\RV/_B M\|
|2#,'3(>|HA"NT*G+L2L9;BCD"A.)>&|S\$F>^IE%A2\ZL8HE #;DM_5>|I M\|VG\|H/>T U30
9R>2;|KGG/(MBZ*0\$,B4@*GN#|E 2"5\,EPZYA0OS7M3=I#12\;H M,7L.%7@'F'G"N5Q?^;
(49X1R\$*.0Q\$HGX+ HR-9F*Y71@;7>30\$,,;U8H*X= M\|U;J\|>9V^|S\$(6-)|I2ZD1DHA\H@%?
@N2HN143#6A?"\400V-F\|FK?#TY'
MZ&#DQYS/^!UG5\|C<5ES5L8>,O\$290*U\|W1@\$ECA8C\21P*#B0^J\UWO+_9_: M)02.4=6\B=PZ,"\$?
YK\YM_4\$K-G%M7Q^>L;S\|9XRP\|Z0&)@,M#1R)K\|.VL-M\.)B+-I\$|UKG8U\@:>R\|M:TQ-
(0F.@#6XP;EM:GER)1&%8#EVI_8NU/#AQ2 M%,8KBB:D;>UL\Z:D%W^|U^I@1*
|A.+FN"9KA\$/F@15F2#2&^\$A\|@('I.4N" MPM?AP=B#<|1"SR\|Y\|PBA=P">+0.8WRPW/-
V>LHUI9CX(HYR 0C=|W?-@R7^, M&K) +2)%R:FT?\|1D:S>('6_,AJER=I\JHPM\|
|56GDYDIJ\#MEK:ZE29<=\$+7 M?2+!(IGW'%WK^M>&%&=Z#+BF+19!')f@ZHM.G2:O=;T
M6Q=S\$BZ6*%OW@VZ_WHX=|H&2 T5T@&\MK+Y.+L_J&4_|EB-OT?S.\|FV\|K
MB4@ZBA0MF"!);G6J\|M\|K5--A1KR>=H\;=1&#*P6@;+ VGK@ZP>#KRV/* M_ ^O"YUKJ7+Q4B>52&
|'KT+;\$X#B7X)0JUM24HFG='J.^HY=P88F\|R*|@#B M.X7\8;YZ-B"|D7Z=XU9R8<+!'%B%3^Y+
1\#'?\$4#0H6D\W#E9\$=222X>|?_ M.CSJK4K'->2+?_KC+\$+"9\OC0PY2FXR\|I 1\$M17TF>E1#K5*!;N
M83LK#ENH9<3%Z\$|S=&6G\|FS\|(L_ YEOEC5N=>W M?^X?
K9COG)JO\|K)G#7J1ZMSPW^>+M/E?'FUP-O\|OP8+4\H\EX+0\$GFFN\AH M",|7H>&1\|)^+
LN2DZUGK^G+YBO+0%CN1%L_!=|U'E9Q\$|Y?2GI="I&7#HO M-(CB>3+('Y%<

RZXU2.PD9%SKM/P00"<+O4?D;%XOE0[(-I@=6&K8K4*M)Y)@L\$1MK"6Y.:3EIX@963TG*
[DEV!SA,0[YY>>3(K;=-AF^XV"[S"%R[MNCE:8*J++9D#S^D??.2O:"PN?E0RIV\$=::8U3\<(/WR?
(>N>[VKBOYQ_RG M,/O'.BA9?BQOB9:I71"S>;JY_7O;8E.:%!KDL!9RC4Z8RA<9.2PH7/,OT"R1#
M2E>:CSO=3R2B4Q(.^70PI.&>||MZ9U3G@&'&1V%
MG4=J=JY6U!V@Y4'@/%&)Z5*2J@|>1+X,&@ (2#|8P;41(Q:O6-N8!"1W%DFU0 M.:U\$WP&*=KR-
3JS/T2>ZH76IROQM#/5(9.VE+J\$03#9VHW>0<:X M|8H#H.9447=1.!-7_X'3BR^U|NP|+L(%WIUG-
5\$H&8LZ0>&._D?"K@8\$^A<M&Z'9)U^O?1_4LR2-6R0X (I:J|
G^_,27|BSEREG8(+320GT#R|=!TW.6T9' M!D.^BQ|*L8&*P F|A#C*ZK%LZ1.^[KJU31-
W!555/W>I1347DQNI@0)AL0>DZ559: M!CHP)X*R6&SKTH%==(R/EY.4NR_-&=EERU-K):2'O#F#3
MML|!HW*2^_ZT.\$T2D"P00\$/2@KT)B76>A+\$_X)*HT,-6BET0':|0#9SQ6N M.)9,9LJ_9H5<56?5-
2LA<"&48<6\$UD;Q?TFET2\$8.:#2Z!%"C8B|Y6(U^5P7 M.5ROK-\$J:D8!D>*!U2WK")Y5UP4|
(^^!EV#W6EE/_4.PNAWM^BZ|&Q!|VT MN6"/EV\$/BM|&)(*)
<1&81G\$N>|)H4_4H60&F.R#IB27O5>^RC^C&-R G*>JCN M(R0WLL)_F|ZF7Z^>D=(&|*,\$
88MJ5\$U_!A">O=31R@S9UXD"B06(F@=PI3!G9""YC>+O?G2<6*J9XH^6 M7P=^Y5G(=V(?|QG-|5\$1
HZT4H+7)M0U#UQE=G&RG M"Z4X+F-LO5/A.15C#^YK>Z6<*.7NB4 M4 F3T&(OO_1HM-
S2TE.!P^\$Z?A8R1PHY-OESAMJ5>*|Y?(*)YMUV=#|BL|5 M_%-8_'R%O^_WU=IXTE|R6W^|<%Y2L)"R(-
%Q9B|Z|M>MTH.^+YKRJ)|XUP5T M/ 4|@>E8|<- /KHK7|SB|X=)SZRDBM.!Y?
0&ANQJ<\$=4'3#:2|Y@,>QA3-0*<M|>\$EO ?'_.*UP&XCVDUO^;1;W@4R=GDC(7.66T!*HXS
X"|Y\$P*7#R.Q M\$^#VZ/LI9?"/|!3U/##H";Y=EES|48S5:"D6F"/|0-?O(8@R(FM8|^8:-?
M"ZAMO|H3XU=5B#2X|6%C>+MFCH:F<*&L>VC%J>&50TUL>*7H2WC
+J5UY1P=)Q5K;U&MHLQ!+W/=N-C MOS_V0/>1H7:4&KJ"FMSR^&F!7Z=77Q_|"%L6D:
<_L88*>|T(>_M.;V|D|A!CIB93L"!M*=NV|Z#!>JOHS B|=(|B=|_|7|)*8_V?
#V"DJ>|T@VV6JB|_8!\$177TL<M>9|1F@3\$7%0AD.5&UPYFQUV8G/V\$(>TT/72%-
?;2;;J)WKRTC;|^O|X>RUOA_HH/7A;*|PHLQU*Z" M9P50I^" M"U?BP2_K!WQ_/ZRITE>|H?
0P,M9V=NE=<_K05S.XWZJXNC4U\$7CAB50BBER M#"B^CN2(!A:U|'H?<.WJP?W0|'H2_| (NF/XA-
E56/RXPY>,*0<3*"ZV;-L ML Y|D :8-M;S(HG)?=+|AWQS/Q"JGJ3^8/+N%T=WZY;DUL":F->=1!>,-
GP?B*0=7|T/2Z|G>3^@S/M%T|O9;T36ES>SO U|M_S)
MH)76FH(1|LGJ1D;Q;RTF1L:4=#+X;|=-)HA|S|?V0|7I2|H/+OV=|W8;Y8L,9
M+JED7/=5UFD!AU\$Y!1_>&^S,SG@HS:/@Y'UZ*O|%;F^GN3|@# +O&4V_A1|W MN"i61XIGUI-
<'E'F_-H\$JMM" M6SH(._2A@1NL4TMN81!4K2:LE121+JU7QK2?=_|/OZTF<#R/I?
N&SDSH12(:/?:+CAWQS/Q"JGHSX8/+NKA?V_%HFU;8=|?M.3O3\$G*UMW3Q|F|JB|
M#8O%C^GLXLW7FK6?2&V|9&|E+7G37NRHM)@C3C1"K1&WK3#2Z@U-
&.*XDK:U(@K>>,GGG|STU MK;.:R;&R|O_6C|9/3QRS1NLD &,H=5I^KHOFR.I.)&23D\9UZZW M|
(ZHQ4F%?K385<9WM+24Q?J\$#F'(Z4^E>:DK9|(77\$X*(SY\$|S@\$C29C6TQ|78H0LTLQ62<-
|O,>_/O7NNH&;6V7 M3A)DQ;IN17E) V!+-:"JHCU_5&"X1.B\$Z+S%U@NO5*L1;KXL_5JMG_|K12
MPM&8HN_&>0.3|T180_#_CE|NX9|(AUF8G.XM?SQ2TCD1D|P:&M>R:EVZLH
M?.|V=M7&>;HA&D;0'=BD+?8WZ;.:!>I%VF2YM&"1.3*MWD-008\$IFH>LI&./ M7.E3;=\$3I'35I-
G&!K40>@?8V>P>F%T|X&=2 @HI6_91A*A5%APB=PZ2J?ML ME94QM0;/4|2.6T'01-&|E|&>)O4.T/;
/4#IM"H;>T(-8S3Y3AG@_E!FZ67?Y_061/.G6_)7DZ_?KM|?9^YH?|ZRUM#ZG>
M_Q'FC^*3OQKA;..^?|^/0RM*;|+^?)J<ON^5N); MXYAF@K?>YK;:DI.F0Z0OF*|N|6.Y|H7.^T(.OE8N I
8B#?R0D|WOH M@3-MG0Q1LF&?*WO>-G6(CO?=-G6(P\$=^|OCE:C%_-Z%1=U+=^G|T7;W&Q
MFI8I_5+0|MV|3\$;9<_5AC:|Y15'<|6.C.L^SJ0(JT MS|Z"X|I>\$XB.U?
K|K"H8&61_GY'W^'6Z6F%^2U^>UE?|Z>5T|6_|T"M;75RV M(\$6HR|*S|_LV_.6@O(8-1@KZCH8)B
\$01>+|KI@*2*IAR5=3T|I>-E|/57A M-T#.(&+N^C|/Q^#L<(LL"ZOHJ4(PBDJAT>D-H|5,H^>OE|8
MWKCS.SU5RS=#3R.QC@B1C-/)>|P(E|_5G0=K|_.'G.1NCZ|25E)1|!26WH M109.ERP9?S1Q|6X(1@?
J7R|FW_5?O1U|56_N VZ=GQP%|GH!#15(&.C(5K MJC>'PQ569 TPI:|@+
|+D\$(VPP"77EEA1|MEJF9>|>0LT2FH6|BH@&+GG\$T2=IH MH|@GO_*>-
H_7FOS0438%1C6SU:SM|'Y4|A|H|/|H|N>#*9""!%,7P,-:07 MS(!#5U?Z9LN=-
H|OM6MHW^>^_.#D_>DB|Q\$WV_/EON:U6|; M0!>P..1 "^/T^N81N7>"POVAD=-#|K^!DE^"S1\$2|P
X#Y+|V|7+RIEL*(+S M0D4*R'FB",XXR+4V2PBN2FG=|KF3D.Y 7WZ>QB9_+9 M1"1ZK0)A0@!5B*.
(CD&H||L#R6HU05.SQ(T;NY_"!UDW|'8'H_G=&U?LW) M-A|89*2
T4.R.H%B7(&+*H!V1D4;5;;^88AT7S0G*MDD)F)6Q_0ZP;I'B!8!)=O8IEM,|(T'S^VRXZQG5M3M7MLU
Y0M"C%RE,5YC7 M+;W+!Q|:IO1B8R|3MHZGER X:E V.7+4I 3O3=VJZ'6Q^SP;|ON|GD:RC%;G M
XNXOP*J^|P8Z9_/Z"FL%+6655APQB9PG'.CLC0Y|S/FX:7OC.OA-H5)4Y'V
M!X|JBKN8B*Y(@KTOOCIV0H:3)0/W)3J>0Q!^'QLS8'W=8%|OT%|J+?|1KZU_MM<7S
:V'G,N"7RHD4*6&8**=|\$5GART:H7ISV^|JX92V-KZSFXNW*:%M%:N'F5#G=71U;@F/1#E9U0*Q2;
(K=+,1@R|=9YX%QWC5+4,\$>=+/.0;_|M6;D(9S"#3DR
XES695!;:"PN%^M%^V%HNDRD9UU\$^7<,00.8(<7<FCM%7=OU M.2BCL)*|M2S(5#),\$(T34*0O3
FMF6|JONH1\$7U|Y1C-/AK ?HJ8.|#)SM4G M-JY8X5FH M:F2*=
(|_+TA0&:"9&.:%,#YWA4Q'S##GC|EH#8*>5Z#M T8|L MMF=2*||42"_(|4,*\$WV*(QFBB45F-
"MS4UO|P@#8.9\$08|<,VU&LJVOZ!(\$ M:N-9)SV0 WN*N/K0|@;MUH9D8|; MKEO*G0)G:DB/4@I#?
IC;JV/QW@|=KQ'Z:)4|5NL1|AE9L>^>?B6|\$U9X^>/_M|S|'K.#>QN&"*5/7-*#E&51!!SX6"SD&J7-
1\$>/#C5"IM/ST%T97^3JFC>7 MW=B+";>D_W;?;V)-^N^KZ7);=;+=1^T-8JG+@Q.2
M%U_|AF",HE@L'_0.L+F6P+..F7C.+&/.L=T-R//#H7F:%B=ITG' MSM79BW1&0M\$1.BM*L6(\$IM;
|Q%K/ZQXJ.FD"A^/'=1^BF>YLU|W-"#)38&|H M1"8D9A2%8>"SMF_%0X"/6"Y;3|_|1_%V4R4/
MH_-/A8.G6*K|M_|AFZZ.ZL33#2%5-X@.(+TN%) @*)+JZN!A=2I&U|HW; M04.?>P1/P=&|LNXB-
;#K,&QV;3X^#*4\$*8)08%(D:7F%*X+6\$(6*RK*4@VF^ MI/(-^OI<+|C:5#713@>FZKZ|ZCF:1 HY!)

<9,/E /J*)X(MC8#DO2BE9LFI=-MZ?*8BC[7#I9+"APLZ0ZP?#5>MUNB#P M)!?
G2.%V@(LJCFTMT9M97CMK]=<4;8:4V[W]#J*+&N5O55USZ%F=:2VL9#(MZ<>@7#"J=;G>?
HUNA_PU'NHL4HZ-JG&/IWOBQW*R/>CM?KB@6\,H5%!ZL
M\$1&4T^2/R>3!62PZE1)1/2SO.!5:3!2Z0
M\$^CD.,^2HQ*M?;&3".YTX^!H5NU<"NP"K7<%^/=9^\$HV?/H_F+M%HO9#W:O(FP^CB&;
(&F+#V*!7JZL%_A96 MFVK_>;D\;KG%VK'IOM!N%ID1' V[H,P|L=XL4U-'!E0)Y'(Q%D#Z'\$R6+!CC
M!CBT[1:4W>T>N!G\$?2/?S_CMQEOXM)B2L_M7+Z;?2"A_O\$G7G|'WIA=37P5UZ
M\$+/-B6'QQY_S"7D%R50%H:!"4\$84")8N#B,I C=)T|HGOZ@L|Q*ZO&1.8Q
MRGJ5@"2\$X4268JVRQ)ORA>+U6D>M XDU%)>X(MD^FM9P?DA62L@6N(56:"*\$5
<%YD(G4C*C7.LRTZ,(^!2;&Q0'JRN M5XG)Z7><B8/%1=KPN3
M;PIH9/Q;TN7\$!;7E0.!@F0"9&;>6NS2R/'\AZMXU>CC8?;XY76&3@G MULLBBT?(/) #4D=1.
<,%L3KX&WIX|/^_W_LT_-|1W)1;LW^_O MUR?|6Z@52T8B)+"\$#E#!!(C*9+(?)02F:RI0ZS?
OYRDZ>1Y/2E=?KRYKP|S' MU1=<5%DO|_O.EF0IW|75LUA?9JXI0BW=X3F)"-;YNKI
UVGSL4"440+"0HFF M^8"> ^@;>8-\$.^0FMPSE)(ZN-W6S9KUOGYXU|'JVG04R!F\$JO+,M 8<--%
M,)K+(DS2PK?>+_\$L0>-"#;@:J:4#A#V@(?MN 1MZ_HX"X|\$ 2IR"=X\$ M!|E;EL@+)
Y;=VOO)&1LH|5,T?/64N|.G<_W =<_7VVP!97XK?S;|C|)8PM?|E\|P""*0|&
(6RN@DHV_+=GDHC>,"K@\$LGKXT*V""0&V^_
MCX_WG3<\$X3XDCOO&-2@&FVNH+S/X,Y9;:_H3SN@7|T^78;9\|D_KZOJ@:4>2
MEB2M21ZRG4D*=T=(00-JD<,&NEC|ZLW%/1 MU8:QHID3J|QP76ED;B7W+%M(9E(H3.)U(%-
DH"*D8Z)F'+DHP5CEMA6W>5M:%\ M9!0!/:Q'2>>S;_EH;_' #071>-OPN5DT0_IQY^G+?
(&2,5V&Y?)ZHOG)80.O M2?X3Y1@*M!*,D8KB.99J,TP!5=^LL|,Y-;P2GTCNPDG G-9|H!_Y(2>_
MDM3WN/LVXU@^K<_2+?.L;MW+R8 R=3EMR10V^CI%00X-&5@W.S2 MN?
JGLZ|2\$D|'V#|-2F9;AZ?|A0EZXS;6H!|I(=\$_AP2?RX|6C%Y:#
M);%Z,+N'ZN5PH/EKH,WP8IT;Z|T|UE9&7E<\$!_WKB@_20\A6@;?2A<@T,Z+U MF_<9'>#|DEJOS
\$^1,LG.L"_S/*9*AD_A,6""N)W;%G"^_B'MJ|=?|N|Q0M MZNB" 2Z#+|*"BH2%F!F"XL\$I7R??Y>93+
@L,RZO%C_7'KK-Z M;:GB0TAUYJ|D|QX*!\$FG,>G(I*4*#&7K\$0|/\$C-
V94|S3#RT4VW\$/V+3D|E3|'Y.DA\$@"\$A\$!<>:VM5 &X2)ZG8%SD-
%+OO+FLNT3,YHG+BVR*TQ8T|ZK>^Y9.5E"02L+@>=:D M! R&F3\$K"5OJ|T7('"'LD0?
B|^9C^V(I@W*H-4AE,RBE&7B,=)Z49|'DNG3D M8;_KAGXSWVC-U
|%=2GB)BQHE/F#IS<4""\4X1A4|6|< B6.8X M*\$NWM; B_H@M(N1M8^-?T\$,>,_^X UT<361?<0NDQ_
MYEAE47@VR\$|JB;6|E-6&G@ Y:DPFZ>1B:Y?G,15C9_N:J'=WHN|86?> EOGL M.RY64SH^G|8DK-
G9|H)QZV1V@9Q^9>O\$A|KXA0Z7T3QI+53@IO7:@Q=(ZB+W M=|3&'P*HH?B|0=-
R/9AZS<9//_X^F|*E_#;NTV+Z;:VEM8|8(MVA4%6,E(L
M&2R\$.Dj8%2N5XLYX;/X,L2=MXY8!#;'Y#:*7'O'V(7S=^I(EE9 E*_5MM_J2 MT=42,3+N;:TBELMY=
0NR5G9*LUB/Y? MF1RA@Y|WB'C=GO^&VU-L2<=&TW M-CFAT=FX5->'4\$B!.8.C4
70*&00Y)SR0V|J5|+QI>|TAIACE3D?2++=H.2Z M1F|G|/\$G#)@9H,|/\$%.=TF@1*R,Q'E2F83?
QAW?'S2'GZ6R/G\$@=%2R,)C_PZ M^CG,|JX39(PQS2)S8\$NFFYSY.C4D)<@E9LNDD=SO=-3XA:?
0FP^_6QS6_K7|M.\$GVH/YM?SEW.FK&(GUTG)&J%4.B00+\$ T/S.|E_>X#@+%?.8|4UD-U'R&Y
MD17^VW16USYO_SG'=0JF@!_R+L7\$!'6(!6@?O!&&_VROR^H)|'QU9Z<>H M;_Y"?'F,K_GK?|X9P+
XE)|_3OHGPFH7V@F3@:|@U_5L26;F'L|WUTO"?J)HH_M6GX=1*2;_OX=|=|
|H|V|U;|.3D!8=4QOTJY>C>2SI S)HEF;_PJ75DN@=9XXX_M'B;OT5H;0#L|?
SKU_GL.O|X_3|_O+3|A8UV|7%N.B*2)USYK(PL45MUB MLI0DU"0HW19(G-
6ML:_ODQ7%Y/5VH'A4?ZCL6;&+N>LG#PN6KQ:~9DOZORX MZY6J?"(U,X%S|A8R TKH1*&>0|
ZUP\$VS*C0XH;:DYPN)JU);_PI4"@_R8YX0Q>-5R8G&0=I MT-J3OB|FI@UFX;3U_@ER_XNLO-
WV=+7*TN<*00.0S1#S!4_EAJOXU;SPS0H;38_5|OU|!4%9:V-(M64/4G!R+6
IX+0UX'AV+;BC,K0NP|R1MW-T_0R-Q"/UT"/IO/887\$6:H*O,_)
M(B;G48)RB>1FM:2C5\$N\ATEY4O&YE/K|Z%K+!'Y?R|G:"9#M"V9N7=|' MV7Y98_9:03>
>KH#W9J5CU>KY2K,ZK2>291&O6@<1*Dj-TY B#F|L'XYZV6= M0#4HV|Y2M|_(7NW;1\$-U=#%=
|M/_M;FOUF"=_EZOE1!;K""*GHU*WU@A? MR"?PI%OF7(G:>M9|M-QS|P'K5?W)-%
<%=U9K>M|_ ^XY|<4X|H|D&F|&2RXD% MG"(C++D517,I4+<>)/L"2?N|Z|4^;142?'XNMA|1>E|;|\$/?
J'B0&55\$T*O|F|_EJO%U;H+|L:O M/P@_RSH'|8|)%J&?JY_!C.3%!1^=I
9YKWYFF8,+=92!&R|CV!|K=>FG!003N M!|)7^RPQG+(Z0.+|\$_9^2K+;|5=_P&2|S!)&B-
/4H!|=3PGE11,W*4&@@R64 MX#FSUB|0>Y"U'^I>|5M#;|4TPU|H|N:D?6)#&U'%ID5%|S#@('W-.S*"
(K9N4
M#R9RY)+*%KAYE(4=5%\$=7(!/SZ(@0:F0,0(KF1B1FL(99CED(QUGOD<P|_.40C'4!KQW@*)Z,U,B,\$%A
348'/D\$S4LF M7|_PEX/4^+_PET-DW0-7I@^\$CE+164'DHO:>J\$4!G(V;_\$\$9X\$YN76KRV MX2|'?:S
X2^'B+|/_.TTU+>1"?H8T!|=6^_D4L77?9*VCF.3G-G\$6&R^?/AY MBL;M%#CO!|=0-QT@C:*CVZ4U-
SYG5MOGKLAX8|UKQOG)1V&"*#PF)2V=R-9M M=3L)ZA\$1-4B-&Y<< MI-2);Y4%YZWOP-
)!|=0#4#Q+;S;:J@#_ZZ|6^J*;<;DR8Q*VVS|V#IH;_E M;PZP<2_-|F!KKXT.(+;_"?
IY>GFUPCQ)B3.4HG;6 M" _JZEJ^6Q<%2(LL;R*R^53K@XD?"*W|/ #1?X MX;K&-11
/7S'OY&GU;|\$|(DY%R.H9.OV0>5KL|_A<7@FB_@.Y3&D1N,AW/O M!E76JX+CM5|A,
4ZRPB87'D|ACW\$* 7PS)Q#Q^LSVTA8|, #O&Q8M1T+S<_5U M<%O3);!89R?
#Y<;TK|FZO|IR>|@Q;^KMWBWP6=;:_NO1N\$DMBW|HOA.Q Y1 A
MD\$L,S\$AI9(S!E|8;H4^G>EQ#>E|_GEG%KP74=|=&WL^_3JS1M;:/@!#T#Z5B M 9^,@;H%PI(A-
ZT+@_YD>1QW=/_^X-Q(N1U@^0G9;KSRQT6I*>4L2A0@BA;D MJRL'/I*D*
(0M80%)T^KUKW=#U+T,CS<8;+G=J|H0-|MY.9"9VQ1"?! 3DB M=<&@8N"+IM^2M#*7C+SNL|S?
=2B|L:8X_?SJHGGTPTA42%|0 D0G(85%|@#3. VIB8 MHI62M|9530@?>=:7?V@MQ/'^_

NB/J^|SMIW_<%KF3O<%H&.10>V%"E!""B6-B5UP9GO#1>I=3 M#^X3D)QJI^|_6!+N=<493P:SB@F2"M7Y9)"E@B&N^)-L*&|R|^;DG%|_A;Z M?
VB\$&DA|Y/"0=XYE"3I7JZD=120660U985VEB12L9,8A9=0Q:E?R?EW++TR" M?OSEGO!QG"
|GS03;%2SN|^;6@60D|0K5KI:ODB2<9 YB%*AXB-J+O:SE0> 8 M>U=Z"WT^"8TCA3ORM.5?
YXOEC|47N|O_ ^7|F^?WLW20|!=_C?|Q)7JTA
M_2,L|B|S^MBWQ72Y729"QC1Y81&B%728=+3@=,%0?+.!8T!N|PM.R|!\$?|P4Z MQ^H?
D|ACXRN_U=^P-6?|4_R|C?2F_#A|Z*U=%MP'6.|<)6\$ 1%#=#D(SS67 MVN ^P|N?
^|9XJW>.:8Z69*#M(*SVZHG_Z|2&LKA;XL=SU|*IM-BP7&YD%01R"
MR@3VF%@!M#'+8BTKN74/YO|4C9N|.;CH*#R8|B"WX6IS)+W7+@4C(87*BC)8
MIR@4T.;Y.B"7(V|=W?..9UYSXT0|"S0CE?R/?;NUF>AI^G" TST=|**A/09
MO^/L"M_1I7UY.;W,U2GA";\$^9R|WYEIDHY029/X|9Z#JX|D/V4(JR64=(D_A
M85WMKIOON*_WA*|3%#|_JQ9&QME/8781+N<+7.28EK6.IY9-O+U:KN9?M_P\$ MOQ40.;&
(.GQ9(3D|R2C(J7"7B036|(.J?;|5T|77|D|)-3PR8GY^|=V5V?A MPBJ1R.\$TELOTRA!-#F"M"#Y+&^
>QN:F!XY;-3*\$|H^350|;C*|W^3IG5N|X.?:@^PUD5?1\$MY? #065
M2I2Z5R1(D*J4XGE0RNX5(+VR|=6*.N)|=6'2&|L|<;WMB|K#\$DA&:BTSE=F MF|
1_NM.;&Z"RXX(;*#R#K=7'Z2R)|=7'R*_L15.;MRU%H46;>|)%F?N(J"
MZ%RL"R6SB5'CX|CA*,7WM|WZ.;4?+;_NO#L_7|6"L#LA||1\$|-%Q"2|5_ZBMA8_L
M0B(Y6&&#T/&AD|DKBFA)4T^)|C..Q.N| 85T=5Y^G2^XN)|HE?|<^2|B67 M!#;PVJ"O4EU|1B;
IVB9*UF'AQ.SGX9K2|IZRIPT!.UHRNONFO|O<_@;+G#Y M^_S|XLOJ>E>A\$&XNB|7V&!!<>?)YX
F4TE)2Z4:;#V_46B.HOB3P/B,*H8 MV2QN#@;..PF7|Q9M2IG3\$KL_/U_F?|X-5TO|,%|-\$|8SHS)C-@.%
B0UB63X M2W(D.NVY|H;^|.;UBZ#=#|@W.W|/3C=E@PF|B_OU^@&OEDH^|B;>??VVF'|; M3+&R/?
%,EFSI8*#*!0YR|04)A#"B6"\$4;04Y=OV%?'K6|?T)D;0.AC/T9-
MZV+N+5|_X.+K|09C;8.2JGU^4E18(VF@-1UY|'W1OE|HH/'/WG<==(#P.)\$ MX8VL^OS_|JJO_N.A/
IEHGT.7%'K&CC&2A&HG%1 M94C%AV2SRRSL4QRXS|?&W?;\$|
#R:"WALP#PHUO_YES>UM>PR3&>K-Q&7+1I_.AK.0J1NG+PQ>-G?@Y_-/C;G>DX#
MB|^_Z.L3|3);+3=W|.6|=|_25P=COKZ|SD&1&D,B"+K/>LE1\$|>7&(EV:;!# M<7*OQ|+C0|\$7*!QWI_
YXK*62NH @AQ5;U0H)#FLSRMN@J7GZX6Z4M8XL=X MN;G5G(G,Z3\$|H);%WF>B2I(Z|_
M'A>.)^FMBS|_1E|_L=Z|H9|TEGD&6IW3KFK7/(5\$W|'9Y';^W5H?./+|/%-9M6HN8B&))GK0PL3
#%612DB|0"XRJ+1QF. MB9-? I9IY\$C8F2N M<.%&Q.8MI2,OJ^X G\$=J|?6A MRW\$4H2/OL.X|FT?
H)5|TVA0.R6TU**(/8\$)-3UBHB)0C_%Z5=STZ0\$_07\$.;MAL*|6|781%F*US/3GHWR_AU_
BW3M/Z1RYO?\$Z\$W MS=Y?PZIF\$>BO?
UQ|P<4|;1P_/6H8.DX=,W4&Z32;1W5+ZT4#GE+EWST(62A4R""M+%5>4S%J39U(6;F5|79;4B&2YD|!!
M)=|\$I#%P5%XTIK4>|B1DW.+/\$W7^T B>+NH.TI('=(|+3/;"" 4Q6_3EC"!9 M&0-69U50:TXN|_-#5ZZ<-
=1@.60V@_"0F0XJ";#9#UP.&|_::|B|'7'M%<4\$+G\$ MZACPNE(N(:28-!;O#IZ@G?)V@^\$>+39IH0-
.;>K_/H7%ZLN2)D.F?;\$Z2%|4_|J"(JC,2\$H8%)U)+,V|JF?(&='H?T-V\$KR_8)H
M<|B*L2JH\$;\$H18=-60XQ1@;9N9BX*_|P.|&HAVNOF=KW@|_1.AB|_.JVC-QU M|/QF5^R|'8UALPIH
P1T|I0P&H(3ODY|*H+;NL_VX2/#SJJ|_H9)7R.4?/A M##(?&4M_A+|>7-='@Q/|.8H""F4MKBD9)U
EC GE |?|7?AYJF?/^Y= M-0Q&FLBR@|OJX4U^FS\$63&>&'H\$|+;EN11#\$F8S F5';|F&=;-T0IR0QXS;"
MM?=VVD|B|_B|62YQM?PPGZ6K197G!"6='J0((CJWKH:B6)4;DD_M|T=KF4ZM
MDK372DDG=|YR2)=_\$.N&;C_33\$Z>5ZL+E)4-V^6R|W XA^>O;?'FUP\$EP
MGDL99,U2L3JCD)B|H>=HL|#2.XZ/FN.;/0T^3=;XK=S#(*JU-CK<* 7L(G; M+W5^UG(Z>W-
QL<"NE|K.<|7:42H6XR7_VX8Z7K|H;KOSY0'<%IQ O:3-!0 M3L_5%"1"8W9UUQ|&NCL:OYBVKRCX;?
Y|O:2|W>SWNM|Y M+&HK|'|;F3T0^G|H>5CBSWC|OY_GEY>_SA=_TG|T8;Z(2&U<
BN'AK8,=3905CZ@+;W*2VNP4D&|&.;+|D2KUTZ
M0BCPBNGZV^R3PX" F=7/?;DK&Q=@HH'BT4O)D#1V-LV^XF.XS|;Y8#8BVS6_I
M1GJW7%YAGDA;HF><@ZSKJ%4=#N!"9B"*U|XHG3SW8#|439NC-LO&D_28+=6 M|_
_!;_ILCYD/!3GA\$<31""GW0F4H+0/X'|;X|A/*=?=C>H!|O(9(L>-K/M%
M:RNH|@O<|&.=>DZX9=Q8%X"15)=;FTQ|_0%T1PB)/ (K8_&7B>8K&#19QF;)&)W|M4D4;M*?
M|K(J+|4,56>I6F?+HE3#--;4@-F.^3NO|G)VD3W(<6M7(PWQWWF255_E M_VR%
|MHGP46#FD@MO)AK&P-HSBD\$7)";(>>L.2.60?E\(|J3059M_2.LTW* MK|21@7=-U|D3\$S|6B!|;
<%""O?0_ZED>7%/G>C7@|4# "BGV;PF^(|Y|>G0 M=|W %/
;&%TS>ON|G%^2|>YM9UOUDI+8L4B&J!|D>IFQNJNTA'V+4Q|'6^E M3-\$1UC;GL)
<<@#Q@ (STVCUTI6,1<3SB^A0CF'O)4T6F\$|L85LQR.Q'6(F(PL- M9MBN!=P;|N|G!;?DLE_75_|FGNP|
"F3^&F01&&'FRRT0ES-@@B/L M^Q19Q.;1+6R+6G.;FL'72";SW6)6A|
WP'R;|/K.%S/;!7\$<55@C(N0)YJHF M<2%B82QL' F?;-UF=%P;|<QI#;_Y+*
#1|HG^48E>.;X5*/NXC|B_|'@DO_F6_MHU;3W J3@_CDAD*Z;2?@4=@K(=H1,S>-#7L_-/6;#+8T*?<
|OM=?Z#%JN|U MLOAP2KN%%;LV%M0+\$;.;E,E,HBT;0>YC,5N&#K<8EK>QNVK\$%RT/9WS?&X"
MC-ECN=AU ^%B9_NL+M|P7VT|8N037^X|?1_|;V(>0_=8,Q'5N-T:@IH!P0^H HI4\$-V/?=|A
M387>+.09+2!+6)%K|4Q&5RR0OI0+U3*1(^Z|O@B"0.*ENP#+L.OVDVD|;B8C M|
;^FBS6|3GD(F.WN0G_VG%(0LC&P6QNAV%O1C%U |0 MY9\$MMXZ>ZWA|7DT:/+ Q1C.&Y|R|!\$
/E/1B:8!'Z|.3_|7_7TJ3ER' M2|>+@L|WY,R\$ _&Q;.;42.HKY%8CG=-TYF|O/Y+X,NXL|6=_0.@<|,1!E@@D?
F M|V++;=Q'8(\$MUS5HLM!L1N";L\$|8-5R)/.K&@!;K|G4WXNNM MG.\$'87-
;W%2J@*MYDD=#2>W%SA.R'U2D?3%C&D<"AQX/K*%_ \$K(&<<(AYX.MNR+;Q387A-+8KBFH\$R/-
H9GM*=9(Q|I|M.E|FE8GD>OOPG>|1P8+8 M0;|0J@2"0=%(J*
(V)&#J2VH|725_VI1Q/"4U|L;YT2J/KI=70+J2BS)S^_ M"7\$0!5CB;N-6\$#E-
T/X&|\$K|%U*@C".^U0|5/(|V* 78ZBCIC0|X;3M+D M/YQ)DFFFAQ?
9:=->9^7)/T>^T\$41;JRR;GYJE\$01PY"DX\$#P65D0|W6|N M#=6QE|7.IEX;|

"JB3AC#?,T\$5(GE'^B5<,,1.2%\$)MEJL5;G>XN,,9%) M>E/U6UL)IER.'?THG M)MI8
Z1;0BWO2+;DZ_N(,7CQ?J>)(7ZF9QAY(DX M7A1\$-F1PIHJZZNZ^/\$+-?L;XT4H|YN;/'!-MO'OQE(BH
MU^+/-/=12-?\$.H@)H|R?ER5M\$9VA B)<>2'A.)^%;_3KT8=U;&?<7|T@Z%9 MF3/
A>4J@U8>4T>55W 4|B6S""8F0ZZN&LK'KHE@|TV 1QAC%H8|=W9_E M9DWZ6=E'/?#1R(!MK0-
)-1\$+GGU-!??%3P*L8=LJN)61_XJ#AV!*/-B0F M(M*|V6W3IY|=?=2S&NV;&-
@T^J"ASADI,ADDE&*_=WKZD;::>0-U#;&X2-!.
M0%V#J">_ =T1^YVPO#M473WHI!W/D^W)/ZMDAL3S=K>;,|J\$'9|2W_<0|19 MD1-2%'N8(B?
T;>QZP@ZQ|DW%W|!KT!!|&MDU: A3|EK\$ FH9WOJH1M?/7GC MRP "V|R7|40DK,!B,>G7S/F?
WC5HD+WHZAHTA#RSNP8YW";D;EV&,#A0KS% C MIL|Y<0HCK"PN1OZO0Z9_XE=@P990?
^N04,H,>9&*XFH&ULX0 \$7GFK1&R#B MJ3?
E7\$YBZED".WW>8#3@1JM.=AJOL0Z!RH"MX#|D.1%/B.N>C=2I?ZXXR-L
MN2""3#TG&+L1LPR_ ^P'=-6C,UVQFHH!=3*^CMY-!9|G=>B:UN(X>_Y|WVWJ M4"^I+L17"196 :LA
0.Q<2FP@U|*PP|,|9-OFFZ)H8'5"/M(P4A^!|/8|K*C&#|- AML4X?|YS|2-)T
MH1YJK\$BV2F3D7;|+ ^Z*&T'9I'7*C...VG%,HMWDXP(A2.R0DB@B+=)^R|M'K
MPUP/F6)UV@F"/R*K99><_N|J?_@_3ME6_\$(|(I)4GGUUF10TW3Z4VWT8|M+2 M7@K=&AEES|;5/+
L|1#1RD||9)?#?^_LJZ">-|*CX7CN,21/N6EP-^S^T0) M7MBG7&SE.RTL+4:XD@&XY1/#4B80A+;L6?
9"4K|_%T(!(|DI|IM =YB80A1 MO^4 GO73ZP&/B-)7\$<1UXX-(|VJRYNP+U2.X"M))R^W-
KD@MWP'4=<# M%1,67GDBPV2^S/2JJD.?C:NO0S(I)=?A2|_?2L;R.1.-+<|;_%G"&D7&5-7
MJC8DK>N;IA!U(IV4|;.:>X%/122M-GOD1=0D\$(RA(YCG_0 PH_)D MN_Z?>H?
K37J^E@V|6>ZUBEL,8"LNHW.)U)RIF(@GI4|_J2K>J..N6GQ^<_
MLWOBNIH|XPR=IV2|5\$|GN::G3E4!"VM;#;&P_J<&9DOP/#.UO=I_LCY;26#
MM&W7XTY7/NJ"P=%Q8*MKYF3WL"= &%|0&F\$.MV^)>#D^3&HJ;9'57E;>+FJM9 MS*)H/-C:EWK?
1#T)NE7,GT;=8"+=3|D;\$B25S= M>M42LZX_AK+5|8@)E9S|+>ETD5./Z>A8%TPIC.#EO)F!"
M(Y_E%Z Z)14_)TGOE:0;#=0TR(3I"#&F4_OYG5902R5VVNJ;3 MW%Z';)@V"X.HZP>.J64X9T5|7C!3"
(/RGCT|FB4|ZDO+KX.37P M%,I(^E@FI9|:H-"P8I)|;:>1^\$!9N^V^O.ZH%?
%LBS.RBI9D^W1DKXJ^5X# M@%6*CF5U"&S_#%|M*NGCL|HKSY7>EPJ6.GH6"X|_3+G
WB95|_X_DO=-95Q M|QD K)4P|>R\$S9@AL^ET#SC3S/5<2|Z1"181>E8%MNA,8NWTPU?YF<_U5F_
MNC";B;R@?_N-8IJS'3(.V&&W)H;|!&@&@|f5^3/-TU;_@M7_3U>FW>/Q"?LS! M?>M@<?
G.BV@#YX&FH&<|5|;DB8BH3OME^3G)YYQD523BR5@AW5*_3/KB M:I9)2#>6DGT/E_6|ZJ@K)Q
G:5(|ZHG=QHT(5QN@R2B&(6O.#DQGB-I7\$H#NZSW@AWWF?NT*2L5E5|;RDKLZ|S+M|;S7J|S5N5
M5;;T_.|6-RCCG_-PA*7KHM!;U*%,N/4T@JLC@!\$GZ?ZJ'A<_M"E8f%350U20/KL-R+|?7
H\$|Y,PA7E;93>)SD2G%3QX*|JU0 M9^DL6RTR|D?V4%9,@P&,'M2,I3^_WUP?V,"VHK97%|E._T-
#^|(#68R?#1P0)">8Q&EYSO,BB MO!*|;5R)VH+WT|!L;,'!;OFJ=V'C (-NHSY2?&MOAE|^|W<.K|SE-
5S.|DS M5IX6|A>Z+\$>3"F 72_78D5XB@*WJ|(&Q|JXJNZ*;ZEA>NDQ*Q_A@EUOUV)-&"J?Q>%\$U<5-
/LI*0?LH|VD-DP M4>A\$|TY;/:72;Z7!55M,*|T|=K)27|+4TXKSG8V-/G&2;_N#/_<7RUX@)= M7B958?
M;K"LA\$BKEGF=ZUEJW=#@7.(|+WGA!^TS.B|!%OKE_*N-1D;;Y(+% MOF/|;#=&T!
|U307N9WM%=:8)A0B>)3;+AVHMHX+(% M+!-E1/FVRAE-N;=?
V\$VVDDB|6I1/FFTK63'#847(N1T;FL5 : MQ_1EKRXRFJUY=|I#0#7:40;U=A.X|A-
TGFN9AN&:@7XT;ECD;_",Q|@_M1
M.|EO_20WG>,7GR;E'T:")YQB_RJNN/%S.N|>8Q>5)N4N!H('O2J)O\$F)<67 MI*PT'G4?EJ+3I/269T
01/XUK_-S80<\$=FK6L&D9%8|_-9_R?CKY_+MF|MF#0IE=43+\$!*"G|XGWP?
N7_*RK5YKS#/PKV7W(M&4!%8K/_.#1SD'D/77Y-0KL M19=)";@V6* |U*J|2LU(\$V%-|GKQ95+"J
44\$U+|6EXU>RFH%T\$F97F;8 / M00+)|I9)/;GKQ85(.YF#R9I1Y3Z9C;+VJ8U*;Q_RU3S|+
7G6*GO*1%4A# M;.*I3|1;BT23\$B#|K0/_+K%\$Z452SW(>GF>GZ_BY2WHO9DW*A?0&#/JSEI79
MIT04Z@J1MOKC(S)|W0DP*202_0YX!<'S|2|H|0+-,GM19U(|L,<4U|?N,C*
M1(*Y+\$C|F11|+H|;K"009@XE,\$+<-H>9>@|S0T|/%+P9J@W9C&RV>|H5;R MT'MOG|1+-
M.2)V@4"-@)MXN+5SGG% C"@3PKVJDV^2WH@"HR;5K0;63'H=NDB M31MAB9YVN<<%&!52^?
<3D|^=5Z'6D._NK#_ZL(^+*-5%>F2%^OR2BP+)NU+ M3S3?(A9L#0V+\$;J!
8|4E%8Z7FY|+0GL_OS0&*YA^J90LDRJR>'U*U% @% ^%' MDO(*&!6;C8IMZW8MU54P_+
|BK/SE*PFT7-)M@E|V\$|=4 "G|Z?@|L6L6"W MVH?1U@V,\$0ZPUDM=@B&5#B?X2AS8C?8QCK)"
(.7_A")A=|O&N M|T@9GE"380=EPIVC7V2'S2.MJ<-0|%.MH_"_*\$AQ+A;JZA89\#"JL?
M|TFADZH#@7#WTLTR(6|)SZ&L%9L/L9Q|'6>)E1.X+K(Z8S'P;^&F>\$X^/@TM;|'
MOQSJG8UH!=NEC_FT&0GGKT4K60OW2W=D*/C5MY>G|3TQ_O_*Q)S|N|VJFJ M|)_??
Q1#TO|3>6|!;WZ/OON!^E=,2OZO_DO4\$! A0#% @ F4*36;61 M,JL0)0 Y=T |X (-
&5X+3\$Y>&AP96EN"TR,7@Q,#,Q,C R-"YH=&U02P\$"% ,4 " "9 M0I-9D@WS*4,% !0+P \$P @ '>+
97@M,C,Q>#\$P,S\$R M,#(T+FAT;5!+ 0(4 Q0 (-)E"DUDN3=[*MP< "'TS,3%X,3 S,3(P,C0N:'1M4\$!L!
A0#% @ F4*36:3(MUUG%|P 7"<!, (|.CH &5X+3,Q,G@Q,#,Q,C R-"YH M=&U02P\$"% ,4 " "90I-9TM-
M\$TP% #:P \$@ @ \$P M0@ 97@M,S)X,3 S,3(P,C0N:'1M4\$!L! A0#% @ F4*36:EJ.B000 M'3P(!X(
!K\$< &5X+3,X>&-OX# M " 1<\$ 0!E>"TT,3AX9&5S8W)I<'H;VYO9G-E8W5R;2YH=&U02P\$"% ,4 M "
"90I-9)PE4|&0)!0 K(\$0 \$ @ &FG@\$:!E+3(P M,C0Q,#,Q+FAT;5!+ 0(4 Q0 (-)I"DUF8OQW|("P-B @ 0
M " 3BH!@|H<&4M,C R-#\$P,S\$N>'D4\$!L! A0#% @ FD*360"% M|EZ*6 C;T# !0 (-!4M4& &AP92TR,#
(T,3 S,5|C86PN M>&UL4\$!L! A0#% @ FD*369^,BQW2% \$>I4, !0 (-! M#BX' &AP92TR,#(T,3
S,5|D968N>&UL4\$!L! A0#% @ FD*36<="U*N1 M+ \$ XIX! !, (-!\$D,(-&AP92TR,#(T,3 S,5|G,2YJ<&=0
M2P\$"% ,4 " "0I-9^&X6#F/\$ @!2\$AH % @ '4;PD M;|E+3(P,C0Q,#,Q7VQA8BYX;6Q02P\$"% ,4 " "0I-
9)Z^ZZ*NA 0#C M;A, % @ %I-P :!E+3(P,C0Q,#,Q7W!R92YX;6Q02P4& 2 |#P#L P 1M8- end XML
167 hpe-20241031_htm.xml IDEA: XBRL DOCUMENT 0001645590 2023-11-012024-10-31
0001645590 us-gaap:CommonStockMember 2023-11-012024-10-31 0001645590

hpe:A7.625SeriesCMandatoryConvertiblePreferredStockMember 2023-11-012024-10-31
0001645590 2024-04-30 0001645590 2024-12-09 0001645590 us-gaap:ProductMember 2023-11-
012024-10-31 0001645590 us-gaap:ProductMember 2022-11-012023-10-31 0001645590 us-
gaap:ProductMember 2021-11-012022-10-31 0001645590 us-gaap:ServiceMember 2023-11-
012024-10-31 0001645590 us-gaap:ServiceMember 2022-11-012023-10-31 0001645590 us-
gaap:ServiceMember 2021-11-012022-10-31 0001645590 2022-11-012023-10-31 0001645590 2021-
11-012022-10-31 0001645590 2024-10-31 0001645590 2023-10-31 0001645590 us-
gaap:ConvertiblePreferredStockMember 2024-09-102024-09-10 0001645590 2022-10-31
0001645590 2021-10-31 0001645590 us-gaap:CommonStockMember 2021-10-31 0001645590 us-
gaap:PreferredStockMember 2021-10-31 0001645590 us-gaap:AdditionalPaidInCapitalMember
2021-10-31 0001645590 us-gaap:RetainedEarningsMember 2021-10-31 0001645590 us-
gaap:AccumulatedOtherComprehensiveIncomeMember 2021-10-31 0001645590 us-
gaap:ParentMember 2021-10-31 0001645590 us-gaap:NoncontrollingInterestMember 2021-10-31
0001645590 us-gaap:RetainedEarningsMember 2021-11-012022-10-31 0001645590 us-
gaap:ParentMember 2021-11-012022-10-31 0001645590 us-gaap:NoncontrollingInterestMember
2021-11-012022-10-31 0001645590 us-gaap:AccumulatedOtherComprehensiveIncomeMember
2021-11-012022-10-31 0001645590 us-gaap:AdditionalPaidInCapitalMember 2021-11-012022-10-
31 0001645590 us-gaap:CommonStockMember 2021-11-012022-10-31 0001645590 us-
gaap:CommonStockMember 2022-10-31 0001645590 us-gaap:PreferredStockMember 2022-10-31
0001645590 us-gaap:AdditionalPaidInCapitalMember 2022-10-31 0001645590 us-
gaap:RetainedEarningsMember 2022-10-31 0001645590 us-
gaap:AccumulatedOtherComprehensiveIncomeMember 2022-10-31 0001645590 us-
gaap:ParentMember 2022-10-31 0001645590 us-gaap:NoncontrollingInterestMember 2022-10-31
0001645590 us-gaap:RetainedEarningsMember 2022-11-012023-10-31 0001645590 us-
gaap:ParentMember 2022-11-012023-10-31 0001645590 us-gaap:NoncontrollingInterestMember
2022-11-012023-10-31 0001645590 us-gaap:AccumulatedOtherComprehensiveIncomeMember
2022-11-012023-10-31 0001645590 us-gaap:AdditionalPaidInCapitalMember 2022-11-012023-10-
31 0001645590 us-gaap:CommonStockMember 2022-11-012023-10-31 0001645590 us-
gaap:CommonStockMember 2023-10-31 0001645590 us-gaap:PreferredStockMember 2023-10-31
0001645590 us-gaap:AdditionalPaidInCapitalMember 2023-10-31 0001645590 us-
gaap:RetainedEarningsMember 2023-10-31 0001645590 us-
gaap:AccumulatedOtherComprehensiveIncomeMember 2023-10-31 0001645590 us-
gaap:ParentMember 2023-10-31 0001645590 us-gaap:NoncontrollingInterestMember 2023-10-31
0001645590 us-gaap:RetainedEarningsMember 2023-11-012024-10-31 0001645590 us-
gaap:ParentMember 2023-11-012024-10-31 0001645590 us-gaap:NoncontrollingInterestMember
2023-11-012024-10-31 0001645590 us-gaap:AccumulatedOtherComprehensiveIncomeMember
2023-11-012024-10-31 0001645590 us-gaap:AdditionalPaidInCapitalMember 2023-11-012024-10-
31 0001645590 us-gaap:PreferredStockMember 2023-11-012024-10-31 0001645590 us-
gaap:CommonStockMember 2023-11-012024-10-31 0001645590 us-gaap:CommonStockMember
2024-10-31 0001645590 us-gaap:PreferredStockMember 2024-10-31 0001645590 us-
gaap:AdditionalPaidInCapitalMember 2024-10-31 0001645590 us-gaap:RetainedEarningsMember
2024-10-31 0001645590 us-gaap:AccumulatedOtherComprehensiveIncomeMember 2024-10-31
0001645590 us-gaap:ParentMember 2024-10-31 0001645590 us-
gaap:NoncontrollingInterestMember 2024-10-31 0001645590
hpe:ConflictBetweenRussianAndUkraineAndRelatedTradeSanctionsMember 2022-11-012023-10-31
0001645590 srt:MinimumMember 2024-10-31 0001645590 srt:MaximumMember 2024-10-31
0001645590 srt:MinimumMemberus-gaap:BuildingAndBuildingImprovementsMember 2024-10-31
0001645590 srt:MaximumMemberus-gaap:BuildingAndBuildingImprovementsMember 2024-10-31
0001645590 srt:MinimumMemberus-gaap:MachineryAndEquipmentMember 2024-10-31
0001645590 srt:MaximumMemberus-gaap:MachineryAndEquipmentMember 2024-10-31
0001645590 srt:MinimumMemberhpe:CapitalizedSoftwareForInternalUseMember 2024-10-31
0001645590 srt:MaximumMemberhpe:CapitalizedSoftwareForInternalUseMember 2024-10-31
0001645590 srt:MinimumMember 2023-11-012024-10-31 0001645590 srt:MaximumMember 2023-
11-012024-10-31 0001645590 hpe:ServerSegmentMember 2023-11-012024-10-31 0001645590
hpe:HybridCloudSegmentMember 2023-11-012024-10-31 0001645590 hpe:IntelligentEdgeMember
2023-11-012024-10-31 0001645590 hpe:FinancialServicesMember 2023-11-012024-10-31
0001645590 us-gaap:CorporateAndOtherMember 2023-11-012024-10-31 0001645590 us-
gaap:IntersegmentEliminationMemberhpe:ServerSegmentMember 2023-11-012024-10-31
0001645590 us-gaap:IntersegmentEliminationMemberhpe:HybridCloudSegmentMember 2023-11-
012024-10-31 0001645590 us-gaap:IntersegmentEliminationMemberhpe:IntelligentEdgeMember
2023-11-012024-10-31 0001645590 us-
gaap:IntersegmentEliminationMemberhpe:FinancialServicesMember 2023-11-012024-10-31
0001645590 us-gaap:IntersegmentEliminationMemberus-gaap:CorporateAndOtherMember 2023-
11-012024-10-31 0001645590 us-gaap:IntersegmentEliminationMember 2023-11-012024-10-31
0001645590 us-gaap:OperatingSegmentsMemberhpe:ServerSegmentMember 2023-11-012024-10-
31 0001645590 us-gaap:OperatingSegmentsMemberhpe:HybridCloudSegmentMember 2023-11-
012024-10-31 0001645590 us-gaap:OperatingSegmentsMemberhpe:IntelligentEdgeMember 2023-

11-012024-10-31 0001645590 us-gaap:OperatingSegmentsMemberhpe:FinancialServicesMember
2023-11-012024-10-31 0001645590 us-gaap:OperatingSegmentsMemberus-
gaap:CorporateAndOtherMember 2023-11-012024-10-31 0001645590 us-
gaap:OperatingSegmentsMember 2023-11-012024-10-31 0001645590 hpe:ServerSegmentMember
2022-11-012023-10-31 0001645590 hpe:HybridCloudSegmentMember 2022-11-012023-10-31
0001645590 hpe:IntelligentEdgeMember 2022-11-012023-10-31 0001645590
hpe:FinancialServicesMember 2022-11-012023-10-31 0001645590 us-
gaap:CorporateAndOtherMember 2022-11-012023-10-31 0001645590 us-
gaap:IntersegmentEliminationMemberhpe:ServerSegmentMember 2022-11-012023-10-31
0001645590 us-gaap:IntersegmentEliminationMemberhpe:HybridCloudSegmentMember 2022-11-
012023-10-31 0001645590 us-gaap:IntersegmentEliminationMemberhpe:IntelligentEdgeMember
2022-11-012023-10-31 0001645590 us-
gaap:IntersegmentEliminationMemberhpe:FinancialServicesMember 2022-11-012023-10-31
0001645590 us-gaap:IntersegmentEliminationMemberus-gaap:CorporateAndOtherMember 2022-
11-012023-10-31 0001645590 us-gaap:IntersegmentEliminationMember 2022-11-012023-10-31
0001645590 us-gaap:OperatingSegmentsMemberhpe:ServerSegmentMember 2022-11-012023-10-
31 0001645590 us-gaap:OperatingSegmentsMemberhpe:HybridCloudSegmentMember 2022-11-
012023-10-31 0001645590 us-gaap:OperatingSegmentsMemberhpe:IntelligentEdgeMember 2022-
11-012023-10-31 0001645590 us-gaap:OperatingSegmentsMemberhpe:FinancialServicesMember
2022-11-012023-10-31 0001645590 us-gaap:OperatingSegmentsMemberus-
gaap:CorporateAndOtherMember 2022-11-012023-10-31 0001645590 us-
gaap:OperatingSegmentsMember 2022-11-012023-10-31 0001645590 hpe:ServerSegmentMember
2021-11-012022-10-31 0001645590 hpe:HybridCloudSegmentMember 2021-11-012022-10-31
0001645590 hpe:IntelligentEdgeMember 2021-11-012022-10-31 0001645590
hpe:FinancialServicesMember 2021-11-012022-10-31 0001645590 us-
gaap:CorporateAndOtherMember 2021-11-012022-10-31 0001645590 us-
gaap:IntersegmentEliminationMemberhpe:ServerSegmentMember 2021-11-012022-10-31
0001645590 us-gaap:IntersegmentEliminationMemberhpe:HybridCloudSegmentMember 2021-11-
012022-10-31 0001645590 us-gaap:IntersegmentEliminationMemberhpe:IntelligentEdgeMember
2021-11-012022-10-31 0001645590 us-
gaap:IntersegmentEliminationMemberhpe:FinancialServicesMember 2021-11-012022-10-31
0001645590 us-gaap:IntersegmentEliminationMemberus-gaap:CorporateAndOtherMember 2021-
11-012022-10-31 0001645590 us-gaap:IntersegmentEliminationMember 2021-11-012022-10-31
0001645590 us-gaap:OperatingSegmentsMemberhpe:ServerSegmentMember 2021-11-012022-10-
31 0001645590 us-gaap:OperatingSegmentsMemberhpe:HybridCloudSegmentMember 2021-11-
012022-10-31 0001645590 us-gaap:OperatingSegmentsMemberhpe:IntelligentEdgeMember 2021-
11-012022-10-31 0001645590 us-gaap:OperatingSegmentsMemberhpe:FinancialServicesMember
2021-11-012022-10-31 0001645590 us-gaap:OperatingSegmentsMemberus-
gaap:CorporateAndOtherMember 2021-11-012022-10-31 0001645590 us-
gaap:OperatingSegmentsMember 2021-11-012022-10-31 0001645590 us-
gaap:MaterialReconcilingItemsMember 2023-11-012024-10-31 0001645590 us-
gaap:MaterialReconcilingItemsMember 2022-11-012023-10-31 0001645590 us-
gaap:MaterialReconcilingItemsMember 2021-11-012022-10-31 0001645590
hpe:CustomerOneMemberus-gaap:SalesRevenueNetMemberus-
gaap:CustomerConcentrationRiskMember 2023-11-012024-10-31 0001645590
hpe:CustomerTwoMemberus-gaap:SalesRevenueNetMemberus-
gaap:CustomerConcentrationRiskMember 2023-11-012024-10-31 0001645590
hpe:CustomerOneMemberus-gaap:SalesRevenueNetMemberus-
gaap:CustomerConcentrationRiskMember 2022-11-012023-10-31 0001645590 country:US 2023-11-
012024-10-31 0001645590 country:US 2022-11-012023-10-31 0001645590 country:US 2021-11-
012022-10-31 0001645590 hpe:AmericasExcludingUnitedStatesMember 2023-11-012024-10-31
0001645590 hpe:AmericasExcludingUnitedStatesMember 2022-11-012023-10-31 0001645590
hpe:AmericasExcludingUnitedStatesMember 2021-11-012022-10-31 0001645590
srt:AmericasMember 2023-11-012024-10-31 0001645590 srt:AmericasMember 2022-11-012023-10-
31 0001645590 srt:AmericasMember 2021-11-012022-10-31 0001645590 us-gaap:EMEAMember
2023-11-012024-10-31 0001645590 us-gaap:EMEAMember 2022-11-012023-10-31 0001645590 us-
gaap:EMEAMember 2021-11-012022-10-31 0001645590 hpe:AsiaPacifcandJapanMember 2023-11-
012024-10-31 0001645590 hpe:AsiaPacifcandJapanMember 2022-11-012023-10-31 0001645590
hpe:AsiaPacifcandJapanMember 2021-11-012022-10-31 0001645590 country:US 2024-10-31
0001645590 country:US 2023-10-31 0001645590 us-gaap:NonUsMember 2024-10-31 0001645590
us-gaap:NonUsMember 2023-10-31 0001645590
hpe:CostOptimizationAndPrioritizationPlanMember 2023-11-012024-10-31 0001645590
hpe:CostOptimizationAndPrioritizationPlanMember 2022-11-012023-10-31 0001645590
hpe:CostOptimizationAndPrioritizationPlanMember 2021-11-012022-10-31 0001645590
hpe:HPENextMember 2023-11-012024-10-31 0001645590 hpe:HPENextMember 2022-11-012023-
10-31 0001645590 hpe:HPENextMember 2021-11-012022-10-31 0001645590 us-
gaap:EmployeeSeveranceMemberhpe:CostOptimizationAndPrioritizationPlanMember 2023-10-31

0001645590
hpe:InfrastructureAndOtherRestructuringItemsMemberhpe:CostOptimizationAndPrioritizationPlanA
2023-10-31 0001645590 us-gaap:EmployeeSeveranceMemberhpe:HPENextMember 2023-10-31
0001645590 hpe:InfrastructureAndOtherRestructuringItemsMemberhpe:HPENextMember 2023-
10-31 0001645590 us-
gaap:EmployeeSeveranceMemberhpe:CostOptimizationAndPrioritizationPlanMember 2023-11-
012024-10-31 0001645590
hpe:InfrastructureAndOtherRestructuringItemsMemberhpe:CostOptimizationAndPrioritizationPlanA
2023-11-012024-10-31 0001645590 us-gaap:EmployeeSeveranceMemberhpe:HPENextMember
2023-11-012024-10-31 0001645590
hpe:InfrastructureAndOtherRestructuringItemsMemberhpe:HPENextMember 2023-11-012024-10-
31 0001645590 us-
gaap:EmployeeSeveranceMemberhpe:CostOptimizationAndPrioritizationPlanMember 2024-10-31
0001645590
hpe:InfrastructureAndOtherRestructuringItemsMemberhpe:CostOptimizationAndPrioritizationPlanA
2024-10-31 0001645590 us-gaap:EmployeeSeveranceMemberhpe:HPENextMember 2024-10-31
0001645590 hpe:InfrastructureAndOtherRestructuringItemsMemberhpe:HPENextMember 2024-
10-31 0001645590 hpe:HPENextAndCostOptimizationAndPrioritizationPlanMember 2024-10-31
0001645590 hpe:HPENextAndCostOptimizationAndPrioritizationPlanMember 2023-10-31
0001645590
hpe:OtherAccruedLiabilitiesMemberhpe:HPENextAndCostOptimizationAndPrioritizationPlanMembe
2024-10-31 0001645590
hpe:OtherAccruedLiabilitiesMemberhpe:HPENextAndCostOptimizationAndPrioritizationPlanMembe
2023-10-31 0001645590 hpe:H.P.EDefinedContributionPlanMember 2023-11-012024-10-31
0001645590 us-gaap:PensionPlansDefinedBenefitMember 2023-11-012024-10-31 0001645590 us-
gaap:PensionPlansDefinedBenefitMember 2022-11-012023-10-31 0001645590 us-
gaap:PensionPlansDefinedBenefitMember 2021-11-012022-10-31 0001645590 us-
gaap:OtherPostretirementBenefitPlansDefinedBenefitMember 2023-11-012024-10-31 0001645590
us-gaap:OtherPostretirementBenefitPlansDefinedBenefitMember 2022-11-012023-10-31
0001645590 us-gaap:OtherPostretirementBenefitPlansDefinedBenefitMember 2021-11-012022-10-
31 0001645590 us-gaap:PensionPlansDefinedBenefitMember 2023-10-31 0001645590 us-
gaap:PensionPlansDefinedBenefitMember 2022-10-31 0001645590 us-
gaap:OtherPostretirementBenefitPlansDefinedBenefitMember 2023-10-31 0001645590 us-
gaap:OtherPostretirementBenefitPlansDefinedBenefitMember 2022-10-31 0001645590 us-
gaap:PensionPlansDefinedBenefitMember 2024-10-31 0001645590 us-
gaap:OtherPostretirementBenefitPlansDefinedBenefitMember 2024-10-31 0001645590 us-
gaap:SubsequentEventMember 2024-12-012024-12-01 0001645590 us-
gaap:DefinedBenefitPlanEquitySecuritiesUsMemberus-gaap:FairValueInputsLevel1Memberus-
gaap:ForeignPlanMemberus-gaap:PensionPlansDefinedBenefitMember 2024-10-31 0001645590 us-
gaap:DefinedBenefitPlanEquitySecuritiesUsMemberus-gaap:FairValueInputsLevel2Memberus-
gaap:ForeignPlanMemberus-gaap:PensionPlansDefinedBenefitMember 2024-10-31 0001645590 us-
gaap:DefinedBenefitPlanEquitySecuritiesUsMemberus-gaap:FairValueInputsLevel3Memberus-
gaap:ForeignPlanMemberus-gaap:PensionPlansDefinedBenefitMember 2024-10-31 0001645590 us-
gaap:DefinedBenefitPlanEquitySecuritiesUsMemberus-gaap:ForeignPlanMemberus-
gaap:PensionPlansDefinedBenefitMember 2024-10-31 0001645590 us-
gaap:DefinedBenefitPlanEquitySecuritiesUsMemberus-gaap:FairValueInputsLevel1Memberus-
gaap:ForeignPlanMemberus-gaap:PensionPlansDefinedBenefitMember 2023-10-31 0001645590 us-
gaap:DefinedBenefitPlanEquitySecuritiesUsMemberus-gaap:FairValueInputsLevel2Memberus-
gaap:ForeignPlanMemberus-gaap:PensionPlansDefinedBenefitMember 2023-10-31 0001645590 us-
gaap:DefinedBenefitPlanEquitySecuritiesUsMemberus-gaap:FairValueInputsLevel3Memberus-
gaap:ForeignPlanMemberus-gaap:PensionPlansDefinedBenefitMember 2023-10-31 0001645590 us-
gaap:DefinedBenefitPlanEquitySecuritiesUsMemberus-gaap:ForeignPlanMemberus-
gaap:PensionPlansDefinedBenefitMember 2023-10-31 0001645590 us-
gaap:DefinedBenefitPlanEquitySecuritiesNonUsMemberus-gaap:FairValueInputsLevel1Memberus-
gaap:ForeignPlanMemberus-gaap:PensionPlansDefinedBenefitMember 2024-10-31 0001645590 us-
gaap:DefinedBenefitPlanEquitySecuritiesNonUsMemberus-gaap:FairValueInputsLevel2Memberus-
gaap:ForeignPlanMemberus-gaap:PensionPlansDefinedBenefitMember 2024-10-31 0001645590 us-
gaap:DefinedBenefitPlanEquitySecuritiesNonUsMemberus-gaap:FairValueInputsLevel3Memberus-
gaap:ForeignPlanMemberus-gaap:PensionPlansDefinedBenefitMember 2024-10-31 0001645590 us-
gaap:DefinedBenefitPlanEquitySecuritiesNonUsMemberus-gaap:ForeignPlanMemberus-
gaap:PensionPlansDefinedBenefitMember 2024-10-31 0001645590 us-
gaap:DefinedBenefitPlanEquitySecuritiesNonUsMemberus-gaap:FairValueInputsLevel1Memberus-
gaap:ForeignPlanMemberus-gaap:PensionPlansDefinedBenefitMember 2023-10-31 0001645590 us-
gaap:DefinedBenefitPlanEquitySecuritiesNonUsMemberus-gaap:FairValueInputsLevel2Memberus-
gaap:ForeignPlanMemberus-gaap:PensionPlansDefinedBenefitMember 2023-10-31 0001645590 us-
gaap:DefinedBenefitPlanEquitySecuritiesNonUsMemberus-gaap:FairValueInputsLevel3Memberus-
gaap:ForeignPlanMemberus-gaap:PensionPlansDefinedBenefitMember 2023-10-31 0001645590 us-

[illegible]

[illegible]

[illegible]

gaap:PensionPlansDefinedBenefitMember 2023-10-31 0001645590 us-
gaap:FairValueInputsLevel3Memberus-gaap:ForeignPlanMemberus-
gaap:PensionPlansDefinedBenefitMember 2023-10-31 0001645590 us-gaap:ForeignPlanMemberus-
gaap:PensionPlansDefinedBenefitMember 2023-10-31 0001645590 country:GBus-
gaap:PensionPlansDefinedBenefitMember 2024-10-31 0001645590 country:GBus-
gaap:PensionPlansDefinedBenefitMember 2023-10-31 0001645590
srt:MaximumMemberhpe:MeasurementInputRecoveryRateMemberus-
gaap:ValuationTechniqueDiscountedCashFlowMember 2024-10-31 0001645590
srt:MinimumMemberhpe:MeasurementInputTypeYieldMemberus-
gaap:ValuationTechniqueDiscountedCashFlowMember 2024-10-31 0001645590
srt:MaximumMemberhpe:MeasurementInputTypeYieldMemberus-
gaap:ValuationTechniqueDiscountedCashFlowMember 2024-10-31 0001645590
srt:WeightedAverageMemberhpe:MeasurementInputTypeYieldMemberus-
gaap:ValuationTechniqueDiscountedCashFlowMember 2024-10-31 0001645590
srt:MinimumMemberhpe:MeasurementInputTypeYieldMemberus-
gaap:ValuationTechniqueDiscountedCashFlowMember 2023-10-31 0001645590
srt:MaximumMemberhpe:MeasurementInputTypeYieldMemberus-
gaap:ValuationTechniqueDiscountedCashFlowMember 2023-10-31 0001645590
srt:WeightedAverageMemberhpe:MeasurementInputTypeYieldMemberus-
gaap:ValuationTechniqueDiscountedCashFlowMember 2023-10-31 0001645590
srt:MinimumMemberus-gaap:MeasurementInputDiscountRateMemberus-
gaap:ValuationTechniqueDiscountedCashFlowMember 2024-10-31 0001645590
srt:MaximumMemberus-gaap:MeasurementInputDiscountRateMemberus-
gaap:ValuationTechniqueDiscountedCashFlowMember 2024-10-31 0001645590
srt:WeightedAverageMemberus-gaap:MeasurementInputDiscountRateMemberus-
gaap:ValuationTechniqueDiscountedCashFlowMember 2024-10-31 0001645590
srt:MinimumMemberus-gaap:MeasurementInputDiscountRateMemberus-
gaap:ValuationTechniqueDiscountedCashFlowMember 2023-10-31 0001645590
srt:MaximumMemberus-gaap:MeasurementInputDiscountRateMemberus-
gaap:ValuationTechniqueDiscountedCashFlowMember 2023-10-31 0001645590
srt:WeightedAverageMemberus-gaap:MeasurementInputDiscountRateMemberus-
gaap:ValuationTechniqueDiscountedCashFlowMember 2023-10-31 0001645590
srt:MinimumMemberhpe:MeasurementInputInternalRateOfReturnMemberus-
gaap:ValuationTechniqueDiscountedCashFlowMember 2024-10-31 0001645590
srt:MaximumMemberhpe:MeasurementInputInternalRateOfReturnMemberus-
gaap:ValuationTechniqueDiscountedCashFlowMember 2024-10-31 0001645590
srt:WeightedAverageMemberhpe:MeasurementInputInternalRateOfReturnMemberus-
gaap:ValuationTechniqueDiscountedCashFlowMember 2024-10-31 0001645590
srt:MinimumMemberhpe:MeasurementInputInternalRateOfReturnMemberus-
gaap:ValuationTechniqueDiscountedCashFlowMember 2023-10-31 0001645590
srt:MaximumMemberhpe:MeasurementInputInternalRateOfReturnMemberus-
gaap:ValuationTechniqueDiscountedCashFlowMember 2023-10-31 0001645590
srt:WeightedAverageMemberhpe:MeasurementInputInternalRateOfReturnMemberus-
gaap:ValuationTechniqueDiscountedCashFlowMember 2023-10-31 0001645590
srt:MinimumMemberhpe:MeasurementInputEVEBITDAMultiplesMembercountry:GB 2024-10-31
0001645590 srt:MaximumMemberhpe:MeasurementInputEVEBITDAMultiplesMembercountry:GB
2024-10-31 0001645590
srt:WeightedAverageMemberhpe:MeasurementInputEVEBITDAMultiplesMinimumMembercountry:G
2024-10-31 0001645590
srt:WeightedAverageMemberhpe:MeasurementInputEVEBITDAMultiplesMaximumMembercountry:G
2024-10-31 0001645590 srt:MinimumMemberus-
gaap:MeasurementInputDiscountRateMembercountry:GBus-
gaap:ValuationTechniqueDiscountedCashFlowMember 2024-10-31 0001645590
srt:MaximumMemberus-gaap:MeasurementInputDiscountRateMembercountry:GBus-
gaap:ValuationTechniqueDiscountedCashFlowMember 2024-10-31 0001645590
srt:WeightedAverageMemberus-gaap:MeasurementInputDiscountRateMembercountry:GBus-
gaap:ValuationTechniqueDiscountedCashFlowMember 2024-10-31 0001645590
srt:MinimumMemberus-gaap:MeasurementInputDiscountRateMembercountry:GBus-

gaap:ValuationTechniqueDiscountedCashFlowMember 2023-10-31 0001645590
srt:MaximumMemberus-gaap:MeasurementInputDiscountRateMembercountry:GBus-
gaap:ValuationTechniqueDiscountedCashFlowMember 2023-10-31 0001645590
srt:WeightedAverageMemberus-gaap:MeasurementInputDiscountRateMembercountry:GBus-
gaap:ValuationTechniqueDiscountedCashFlowMember 2023-10-31 0001645590
srt:MinimumMembercountry:DEhpe:ValuationApproachIncomeCapitalizationAndCostApproachMem
2024-10-31 0001645590
srt:MaximumMembercountry:DEhpe:ValuationApproachIncomeCapitalizationAndCostApproachMem
2024-10-31 0001645590
srt:WeightedAverageMembercountry:DEhpe:ValuationApproachIncomeCapitalizationAndCostApproa
2024-10-31 0001645590
srt:MinimumMembercountry:DEhpe:ValuationApproachIncomeCapitalizationAndCostApproachMem
2023-10-31 0001645590
srt:MaximumMembercountry:DEhpe:ValuationApproachIncomeCapitalizationAndCostApproachMem
2023-10-31 0001645590
srt:WeightedAverageMembercountry:DEhpe:ValuationApproachIncomeCapitalizationAndCostApproa
2023-10-31 0001645590
srt:MinimumMemberhpe:MeasurementInputInternalRateOfReturnMembercountry:DEhpe:Valuation
2024-10-31 0001645590
srt:MaximumMemberhpe:MeasurementInputInternalRateOfReturnMembercountry:DEhpe:Valuation
2024-10-31 0001645590
srt:WeightedAverageMemberhpe:MeasurementInputInternalRateOfReturnMembercountry:DEhpe:Va
2024-10-31 0001645590
srt:MinimumMemberhpe:MeasurementInputInternalRateOfReturnMembercountry:DEhpe:Valuation
2023-10-31 0001645590
srt:MaximumMemberhpe:MeasurementInputInternalRateOfReturnMembercountry:DEhpe:Valuation
2023-10-31 0001645590
srt:WeightedAverageMemberhpe:MeasurementInputInternalRateOfReturnMembercountry:DEhpe:Va
2023-10-31 0001645590 us-gaap:DerivativeMemberus-gaap:PensionPlansDefinedBenefitMember
2023-11-012024-10-31 0001645590 hpe:RegisteredInvestmentCompaniesMemberus-
gaap:OtherPostretirementBenefitPlansDefinedBenefitMember 2024-10-31 0001645590
hpe:RegisteredInvestmentCompaniesMemberus-gaap:FairValueInputsLevel1Memberus-
gaap:OtherPostretirementBenefitPlansDefinedBenefitMember 2024-10-31 0001645590
hpe:RegisteredInvestmentCompaniesMemberus-gaap:FairValueInputsLevel2Memberus-
gaap:OtherPostretirementBenefitPlansDefinedBenefitMember 2024-10-31 0001645590
hpe:RegisteredInvestmentCompaniesMemberus-
gaap:OtherPostretirementBenefitPlansDefinedBenefitMember 2023-10-31 0001645590
hpe:RegisteredInvestmentCompaniesMemberus-gaap:FairValueInputsLevel1Memberus-
gaap:OtherPostretirementBenefitPlansDefinedBenefitMember 2023-10-31 0001645590
hpe:RegisteredInvestmentCompaniesMemberus-gaap:FairValueInputsLevel2Memberus-
gaap:OtherPostretirementBenefitPlansDefinedBenefitMember 2023-10-31 0001645590 us-
gaap:OtherDebtSecuritiesMemberus-gaap:FairValueInputsLevel3Memberus-
gaap:ForeignPlanMemberus-gaap:PensionPlansDefinedBenefitMember 2023-11-012024-10-31
0001645590 us-gaap:PrivateEquityFundsMemberus-gaap:FairValueInputsLevel3Memberus-
gaap:ForeignPlanMemberus-gaap:PensionPlansDefinedBenefitMember 2023-11-012024-10-31
0001645590 hpe:HybridsInvestmentMemberus-gaap:FairValueInputsLevel3Memberus-
gaap:ForeignPlanMemberus-gaap:PensionPlansDefinedBenefitMember 2023-11-012024-10-31
0001645590 us-gaap:DefinedBenefitPlanRealEstateMemberus-
gaap:FairValueInputsLevel3Memberus-gaap:ForeignPlanMemberus-
gaap:PensionPlansDefinedBenefitMember 2023-11-012024-10-31 0001645590
hpe:InsuranceGroupAnnuityContractsMemberus-gaap:FairValueInputsLevel3Memberus-
gaap:ForeignPlanMemberus-gaap:PensionPlansDefinedBenefitMember 2023-11-012024-10-31
0001645590 us-gaap:FairValueInputsLevel3Memberus-gaap:ForeignPlanMemberus-
gaap:PensionPlansDefinedBenefitMember 2023-11-012024-10-31 0001645590 us-
gaap:OtherDebtSecuritiesMemberus-gaap:FairValueInputsLevel3Memberus-
gaap:ForeignPlanMemberus-gaap:PensionPlansDefinedBenefitMember 2022-10-31 0001645590 us-
gaap:PrivateEquityFundsMemberus-gaap:FairValueInputsLevel3Memberus-
gaap:ForeignPlanMemberus-gaap:PensionPlansDefinedBenefitMember 2022-10-31 0001645590
hpe:HybridsInvestmentMemberus-gaap:FairValueInputsLevel3Memberus-
gaap:ForeignPlanMemberus-gaap:PensionPlansDefinedBenefitMember 2022-10-31 0001645590 us-
gaap:DefinedBenefitPlanRealEstateMemberus-gaap:FairValueInputsLevel3Memberus-
gaap:ForeignPlanMemberus-gaap:PensionPlansDefinedBenefitMember 2022-10-31 0001645590
hpe:InsuranceGroupAnnuityContractsMemberus-gaap:FairValueInputsLevel3Memberus-
gaap:ForeignPlanMemberus-gaap:PensionPlansDefinedBenefitMember 2022-10-31 0001645590
hpe:OtherPlanAssetsMemberus-gaap:FairValueInputsLevel3Memberus-
gaap:ForeignPlanMemberus-gaap:PensionPlansDefinedBenefitMember 2022-10-31 0001645590 us-
gaap:FairValueInputsLevel3Memberus-gaap:ForeignPlanMemberus-

gaap:PensionPlansDefinedBenefitMember 2022-10-31 0001645590 us-
gaap:OtherDebtSecuritiesMemberus-gaap:FairValueInputsLevel3Memberus-
gaap:ForeignPlanMemberus-gaap:PensionPlansDefinedBenefitMember 2022-11-012023-10-31
0001645590 us-gaap:PrivateEquityFundsMemberus-gaap:FairValueInputsLevel3Memberus-
gaap:ForeignPlanMemberus-gaap:PensionPlansDefinedBenefitMember 2022-11-012023-10-31
0001645590 hpe:HybridsInvestmentMemberus-gaap:FairValueInputsLevel3Memberus-
gaap:ForeignPlanMemberus-gaap:PensionPlansDefinedBenefitMember 2022-11-012023-10-31
0001645590 us-gaap:DefinedBenefitPlanRealEstateMemberus-
gaap:FairValueInputsLevel3Memberus-gaap:ForeignPlanMemberus-
gaap:PensionPlansDefinedBenefitMember 2022-11-012023-10-31 0001645590
hpe:InsuranceGroupAnnuityContractsMemberus-gaap:FairValueInputsLevel3Memberus-
gaap:ForeignPlanMemberus-gaap:PensionPlansDefinedBenefitMember 2022-11-012023-10-31
0001645590 hpe:OtherPlanAssetsMemberus-gaap:FairValueInputsLevel3Memberus-
gaap:ForeignPlanMemberus-gaap:PensionPlansDefinedBenefitMember 2022-11-012023-10-31
0001645590 us-gaap:FairValueInputsLevel3Memberus-gaap:ForeignPlanMemberus-
gaap:PensionPlansDefinedBenefitMember 2022-11-012023-10-31 0001645590
hpe:EquitySecuritiesPublicCompaniesMemberus-gaap:ForeignPlanMemberus-
gaap:PensionPlansDefinedBenefitMember 2024-10-31 0001645590
hpe:EquitySecuritiesPublicCompaniesMemberus-gaap:ForeignPlanMemberus-
gaap:PensionPlansDefinedBenefitMember 2023-10-31 0001645590 us-
gaap:DefinedBenefitPlanEquitySecuritiesMemberus-gaap:ForeignPlanMemberus-
gaap:PensionPlansDefinedBenefitMember 2024-10-31 0001645590 us-
gaap:DefinedBenefitPlanEquitySecuritiesMemberus-gaap:ForeignPlanMemberus-
gaap:PensionPlansDefinedBenefitMember 2023-10-31 0001645590 us-
gaap:DefinedBenefitPlanDebtSecurityMemberus-gaap:ForeignPlanMemberus-
gaap:PensionPlansDefinedBenefitMember 2024-10-31 0001645590 us-
gaap:DefinedBenefitPlanDebtSecurityMemberus-gaap:ForeignPlanMemberus-
gaap:PensionPlansDefinedBenefitMember 2023-10-31 0001645590 us-
gaap:DefinedBenefitPlanCashAndCashEquivalentsMemberus-
gaap:OtherPostretirementBenefitPlansDefinedBenefitMember 2024-10-31 0001645590
hpe:MultiAssetCreditInvestmentsMemberus-
gaap:OtherPostretirementBenefitPlansDefinedBenefitMember 2024-10-31 0001645590 us-
gaap:ForeignPlanMemberus-gaap:PensionPlansDefinedBenefitMember 2023-11-012024-10-31
0001645590 country:US 2024-10-31 0001645590
hpe:HewlettPackardEnterpriseCompany2021StockIncentivePlanMember 2021-04-142021-04-14
0001645590 hpe:HewlettPackardEnterpriseCompany2021StockIncentivePlanMember 2021-04-14
0001645590 hpe:HewlettPackardEnterpriseCompany2015StockIncentivePlanMember 2021-04-13
0001645590 hpe:A2021StockIncentivePlanAmendmentMember 2022-04-05 0001645590
hpe:A2021StockIncentivePlanAmendmentMember 2023-04-05 0001645590
hpe:A2021StockIncentivePlanAmendmentMember 2024-04-10 0001645590
hpe:HewlettPackardEnterpriseCompany2021StockIncentivePlanMember 2024-10-31 0001645590
us-gaap:CostOfSalesMemberus-gaap:SegmentContinuingOperationsMember 2023-11-012024-10-31
0001645590 us-gaap:CostOfSalesMemberus-gaap:SegmentContinuingOperationsMember 2022-11-
012023-10-31 0001645590 us-gaap:CostOfSalesMemberus-
gaap:SegmentContinuingOperationsMember 2021-11-012022-10-31 0001645590 us-
gaap:ResearchAndDevelopmentExpenseMemberus-gaap:SegmentContinuingOperationsMember
2023-11-012024-10-31 0001645590 us-gaap:ResearchAndDevelopmentExpenseMemberus-
gaap:SegmentContinuingOperationsMember 2022-11-012023-10-31 0001645590 us-
gaap:ResearchAndDevelopmentExpenseMemberus-gaap:SegmentContinuingOperationsMember
2021-11-012022-10-31 0001645590 us-gaap:SellingGeneralAndAdministrativeExpensesMemberus-
gaap:SegmentContinuingOperationsMember 2023-11-012024-10-31 0001645590 us-
gaap:SellingGeneralAndAdministrativeExpensesMemberus-
gaap:SegmentContinuingOperationsMember 2022-11-012023-10-31 0001645590 us-
gaap:SellingGeneralAndAdministrativeExpensesMemberus-
gaap:SegmentContinuingOperationsMember 2021-11-012022-10-31 0001645590 us-
gaap:SegmentContinuingOperationsMember 2023-11-012024-10-31 0001645590 us-
gaap:SegmentContinuingOperationsMember 2022-11-012023-10-31 0001645590 us-
gaap:SegmentContinuingOperationsMember 2021-11-012022-10-31 0001645590 us-
gaap:EmployeeStockMember 2015-11-01 0001645590 us-gaap:EmployeeStockMember 2024-10-31
0001645590 us-gaap:EmployeeStockMember 2023-11-012024-10-31 0001645590
hpe:RestrictedStockAwardsMember 2023-10-31 0001645590 hpe:RestrictedStockAwardsMember
2023-11-012024-10-31 0001645590 hpe:RestrictedStockAwardsMember 2024-10-31 0001645590
hpe:RestrictedStockAwardsMember 2022-11-012023-10-31 0001645590
hpe:RestrictedStockAwardsMember 2021-11-012022-10-31 0001645590 us-
gaap:ForeignCountryMember 2021-11-012022-10-31 0001645590 2021-11-012022-01-31
0001645590 us-gaap:InternalRevenueServiceIRSMember 2024-10-31 0001645590 us-
gaap:InternalRevenueServiceIRSMember 2023-11-012024-10-31 0001645590 us-

gaap:InternalRevenueServiceIRSMember 2024-10-31 0001645590 us-
gaap:StateAndLocalJurisdictionMember 2024-10-31 0001645590 us-gaap:ForeignCountryMember
2024-10-31 0001645590 us-gaap:StateAndLocalJurisdictionMemberus-
gaap:ValuationAllowanceOperatingLossCarryforwardsMember 2024-10-31 0001645590 us-
gaap:ForeignCountryMemberus-gaap:ValuationAllowanceOperatingLossCarryforwardsMember
2024-10-31 0001645590 us-gaap:StateAndLocalJurisdictionMemberus-
gaap:CapitalLossCarryforwardMember 2024-10-31 0001645590 us-gaap:ForeignCountryMemberus-
gaap:CapitalLossCarryforwardMember 2024-10-31 0001645590 hpe:DebtCurrentMember 2024-10-
31 0001645590 hpe:DebtCurrentMember 2023-10-31 0001645590 hpe:DebtCurrentMember 2022-
10-31 0001645590 us-gaap:LandMember 2024-10-31 0001645590 us-gaap:LandMember 2023-10-31
0001645590 us-gaap:LandAndBuildingMember 2024-10-31 0001645590 us-
gaap:LandAndBuildingMember 2023-10-31 0001645590 us-gaap:MachineryAndEquipmentMember
2024-10-31 0001645590 us-gaap:MachineryAndEquipmentMember 2023-10-31 0001645590 2024-
11-01 2024-10-31 0001645590 us-gaap:RiskLevelLowMember 2024-10-31 0001645590 us-
gaap:RiskLevelMediumMember 2024-10-31 0001645590 us-gaap:RiskLevelHighMember 2024-10-
31 0001645590 us-gaap:RiskLevelLowMember 2023-10-31 0001645590 us-
gaap:RiskLevelMediumMember 2023-10-31 0001645590 us-gaap:RiskLevelHighMember 2023-10-
31 0001645590 hpe:RussiaAndBelarusMember 2022-11-012023-10-31 0001645590 us-
gaap:BilledRevenuesMemberus-gaap:FinancialAssetNotPastDueMember 2024-10-31 0001645590
us-gaap:BilledRevenuesMemberus-gaap:FinancialAssetNotPastDueMember 2023-10-31
0001645590 us-gaap:BilledRevenuesMemberhpe:FinancialAsset31To60DaysPastDueMember 2024-
10-31 0001645590 us-gaap:BilledRevenuesMemberhpe:FinancialAsset31To60DaysPastDueMember
2023-10-31 0001645590 us-
gaap:BilledRevenuesMemberhpe:FinancialAsset61To90DaysPastDueMember 2024-10-31
0001645590 us-gaap:BilledRevenuesMemberhpe:FinancialAsset61To90DaysPastDueMember 2023-
10-31 0001645590 us-gaap:BilledRevenuesMemberus-
gaap:FinancingReceivablesEqualToGreaterThan90DaysPastDueMember 2024-10-31 0001645590
us-gaap:BilledRevenuesMemberus-
gaap:FinancingReceivablesEqualToGreaterThan90DaysPastDueMember 2023-10-31 0001645590
us-gaap:UnbilledRevenuesMember 2024-10-31 0001645590 us-gaap:UnbilledRevenuesMember
2023-10-31 0001645590 us-gaap:VariableInterestEntityPrimaryBeneficiaryMember 2024-10-31
0001645590 us-gaap:VariableInterestEntityPrimaryBeneficiaryMember 2023-10-31 0001645590 us-
gaap:FinanceReceivablesMember 2024-10-31 0001645590
hpe:OperatingLeaseRightOfUseAssetMember 2024-10-31 0001645590 us-
gaap:FinanceReceivablesMember 2023-10-31 0001645590
hpe:OperatingLeaseRightOfUseAssetMember 2023-10-31 0001645590 hpe:MorpheusDataMember
2024-08-302024-08-30 0001645590 hpe:MorpheusDataMember 2024-08-30 0001645590
hpe:JuniperNetworksIncMember 2024-01-09 0001645590 hpe:JuniperNetworksIncMember 2024-
01-092024-01-09 0001645590
hpe:H3CMemberhpe:AmendedAndRestatedPutSharePurchaseAgreementMember 2024-04-02
0001645590 us-
gaap:DisposalGroupDisposedOfBySaleNotDiscontinuedOperationsMemberhpe:CTGBusinessMember
gaap:SubsequentEventMember 2024-12-012024-12-01 0001645590 hpe:AcquisitionsIn2023Member
2024-10-31 0001645590 hpe:AcquisitionsIn2023Memberus-gaap:OtherIntangibleAssetsMember
2024-10-31 0001645590 hpe:OpsRampMember 2023-05-022023-05-02 0001645590
hpe:OpsRampMember 2023-05-02 0001645590 hpe:AxisSecurityMember 2023-03-152023-03-15
0001645590 hpe:AxisSecurityMember 2023-03-15 0001645590 hpe:ServerSegmentMember 2023-
10-31 0001645590 hpe:HybridCloudSegmentMember 2023-10-31 0001645590
hpe:IntelligentEdgeMember 2023-10-31 0001645590 hpe:FinancialServicesMember 2023-10-31
0001645590 hpe:CorporateInvestmentsMember 2023-10-31 0001645590
hpe:CorporateInvestmentsMember 2023-11-012024-10-31 0001645590 hpe:ServerSegmentMember
2024-10-31 0001645590 hpe:HybridCloudSegmentMember 2024-10-31 0001645590
hpe:IntelligentEdgeMember 2024-10-31 0001645590 hpe:FinancialServicesMember 2024-10-31
0001645590 hpe:CorporateInvestmentsMember 2024-10-31 0001645590
hpe:HighPerformanceComputingAndArtificialIntelligenceMember 2024-10-31 0001645590
hpe:HighPerformanceComputingAndArtificialIntelligenceMember 2023-08-012023-10-31
0001645590 hpe:CorporateInvestmentsMember 2023-08-012023-10-31 0001645590
srt:MinimumMember 2024-08-01 0001645590 srt:MaximumMember 2024-08-01 0001645590
hpe:H3CMemberhpe:AmendedAndRestatedPutSharePurchaseAgreementMember 2024-09-04
0001645590 hpe:ComputeMemberhpe:ServerSegmentMember 2024-09-30 0001645590
hpe:HybridCloudReportingUnitMemberhpe:HighPerformanceComputingAndArtificialIntelligenceMe
2024-09-30 0001645590 hpe:ComputeMemberhpe:ServerSegmentMember 2024-10-31 0001645590
hpe:HybridCloudReportingUnitMemberhpe:HighPerformanceComputingAndArtificialIntelligenceMe
2024-10-31 0001645590 hpe:CustomerContractsCustomerListsAndDistributionAgreementsMember
2024-10-31 0001645590 hpe:CustomerContractsCustomerListsAndDistributionAgreementsMember
2023-10-31 0001645590
hpe:DevelopedTechnologyRightsPatentedAndUnpatentedTechnologyMember 2024-10-31

0001645590 hpe:DevelopedTechnologyRightsPatentedAndUnpatentedTechnologyMember 2023-10-31

0001645590 us-gAAP:TrademarksAndTradeNamesMember 2024-10-31

0001645590 us-gAAP:TrademarksAndTradeNamesMember 2023-10-31

0001645590 hpe:CapitalizedSoftwareDevelopmentCostsMember 2024-10-31

0001645590 hpe:CapitalizedSoftwareDevelopmentCostsMember 2023-10-31

0001645590 hpe:CapitalizedSoftwareDevelopmentCostsMember 2023-11-01

2024-10-31

0001645590 us-gAAP:FairValueInputsLevel1Memberus-gAAP:FairValueMeasurementsRecurringMemberus-

gaap:BankTimeDepositsMember 2024-10-31

0001645590 us-gAAP:FairValueInputsLevel2Memberus-gAAP:FairValueMeasurementsRecurringMemberus-

gaap:BankTimeDepositsMember 2024-10-31

0001645590 us-gAAP:FairValueInputsLevel3Memberus-gAAP:FairValueMeasurementsRecurringMemberus-

gaap:BankTimeDepositsMember 2024-10-31

0001645590 us-gAAP:FairValueMeasurementsRecurringMemberus-gAAP:BankTimeDepositsMember 2024-10-31

0001645590 us-gAAP:FairValueInputsLevel1Memberus-gAAP:FairValueMeasurementsRecurringMemberus-gAAP:BankTimeDepositsMember 2023-10-31

0001645590 us-gAAP:FairValueInputsLevel2Memberus-gAAP:FairValueMeasurementsRecurringMemberus-gAAP:BankTimeDepositsMember 2023-10-31

0001645590 us-gAAP:FairValueInputsLevel3Memberus-gAAP:FairValueMeasurementsRecurringMemberus-gAAP:BankTimeDepositsMember 2023-10-31

0001645590 us-gAAP:FairValueMeasurementsRecurringMemberus-gAAP:BankTimeDepositsMember 2023-10-31

0001645590 us-gAAP:FairValueMeasurementsRecurringMemberus-gAAP:MoneyMarketFundsMember 2024-10-31

0001645590 us-gAAP:FairValueInputsLevel2Memberus-gAAP:FairValueMeasurementsRecurringMemberus-gAAP:MoneyMarketFundsMember 2024-10-31

0001645590 us-gAAP:FairValueInputsLevel3Memberus-gAAP:FairValueMeasurementsRecurringMemberus-gAAP:MoneyMarketFundsMember 2024-10-31

0001645590 us-gAAP:FairValueMeasurementsRecurringMemberus-gAAP:MoneyMarketFundsMember 2024-10-31

0001645590 us-gAAP:FairValueMeasurementsRecurringMemberus-gAAP:MoneyMarketFundsMember 2023-10-31

0001645590 us-gAAP:FairValueInputsLevel1Memberus-gAAP:FairValueMeasurementsRecurringMemberus-gAAP:MoneyMarketFundsMember 2023-10-31

0001645590 us-gAAP:FairValueInputsLevel2Memberus-gAAP:FairValueMeasurementsRecurringMemberus-gAAP:MoneyMarketFundsMember 2023-10-31

0001645590 us-gAAP:FairValueInputsLevel3Memberus-gAAP:FairValueMeasurementsRecurringMemberus-gAAP:MoneyMarketFundsMember 2023-10-31

0001645590 us-gAAP:FairValueMeasurementsRecurringMemberus-gAAP:EquitySecuritiesMember 2024-10-31

0001645590 us-gAAP:FairValueInputsLevel2Memberus-gAAP:FairValueMeasurementsRecurringMemberus-gAAP:EquitySecuritiesMember 2024-10-31

0001645590 us-gAAP:FairValueInputsLevel3Memberus-gAAP:FairValueMeasurementsRecurringMemberus-gAAP:EquitySecuritiesMember 2024-10-31

0001645590 us-gAAP:FairValueMeasurementsRecurringMemberus-gAAP:EquitySecuritiesMember 2024-10-31

0001645590 us-gAAP:FairValueMeasurementsRecurringMemberus-gAAP:EquitySecuritiesMember 2023-10-31

0001645590 us-gAAP:FairValueInputsLevel1Memberus-gAAP:FairValueMeasurementsRecurringMemberus-gAAP:EquitySecuritiesMember 2023-10-31

0001645590 us-gAAP:FairValueInputsLevel2Memberus-gAAP:FairValueMeasurementsRecurringMemberus-gAAP:EquitySecuritiesMember 2023-10-31

0001645590 us-gAAP:FairValueInputsLevel3Memberus-gAAP:FairValueMeasurementsRecurringMemberus-gAAP:EquitySecuritiesMember 2023-10-31

0001645590 us-gAAP:FairValueMeasurementsRecurringMemberus-gAAP:ForeignGovernmentDebtMember 2024-10-31

0001645590 us-gAAP:FairValueInputsLevel2Memberus-gAAP:FairValueMeasurementsRecurringMemberus-gAAP:ForeignGovernmentDebtMember 2024-10-31

0001645590 us-gAAP:FairValueInputsLevel3Memberus-gAAP:FairValueMeasurementsRecurringMemberus-gAAP:ForeignGovernmentDebtMember 2024-10-31

0001645590 us-gAAP:FairValueMeasurementsRecurringMemberus-gAAP:ForeignGovernmentDebtMember 2024-10-31

0001645590 us-gAAP:FairValueMeasurementsRecurringMemberus-gAAP:OtherDebtSecuritiesMember 2024-10-31

0001645590 us-gAAP:FairValueInputsLevel2Memberus-

[illegible]

012024-10-31 0001645590 hpe:AlternativeInvestmentMeasurementAlternativeMember 2022-11-012023-10-31 0001645590 hpe:AlternativeInvestmentMeasurementAlternativeMember 2021-11-012022-10-31 0001645590 hpe:AlternativeInvestmentMeasurementAlternativeMember 2024-10-31 0001645590 us-gaap:FairValueInputsLevel3Member 2022-11-012023-10-31 0001645590 us-gaap:FairValueInputsLevel3Member 2021-11-012022-10-31 0001645590 hpe:HPCAISoftwareCorporateInvestmentsMember 2023-08-012023-10-31 0001645590 us-gaap:BankTimeDepositsMemberus-gaap:CarryingReportedAmountFairValueDisclosureMember 2024-10-31 0001645590 us-gaap:BankTimeDepositsMemberus-gaap:EstimateOfFairValueFairValueDisclosureMember 2024-10-31 0001645590 us-gaap:BankTimeDepositsMemberus-gaap:CarryingReportedAmountFairValueDisclosureMember 2023-10-31 0001645590 us-gaap:BankTimeDepositsMemberus-gaap:EstimateOfFairValueFairValueDisclosureMember 2023-10-31 0001645590 us-gaap:MoneyMarketFundsMemberus-gaap:CarryingReportedAmountFairValueDisclosureMember 2024-10-31 0001645590 us-gaap:MoneyMarketFundsMemberus-gaap:EstimateOfFairValueFairValueDisclosureMember 2024-10-31 0001645590 us-gaap:MoneyMarketFundsMemberus-gaap:CarryingReportedAmountFairValueDisclosureMember 2023-10-31 0001645590 us-gaap:MoneyMarketFundsMemberus-gaap:EstimateOfFairValueFairValueDisclosureMember 2023-10-31 0001645590 us-gaap:CarryingReportedAmountFairValueDisclosureMember 2024-10-31 0001645590 us-gaap:EstimateOfFairValueFairValueDisclosureMember 2024-10-31 0001645590 us-gaap:CarryingReportedAmountFairValueDisclosureMember 2023-10-31 0001645590 us-gaap:EstimateOfFairValueFairValueDisclosureMember 2023-10-31 0001645590 us-gaap:ForeignGovernmentDebtMember 2024-10-31 0001645590 us-gaap:ForeignGovernmentDebtMember 2023-10-31 0001645590 us-gaap:OtherDebtSecuritiesMember 2024-10-31 0001645590 us-gaap:OtherDebtSecuritiesMember 2023-10-31 0001645590 hpe:AlternativeInvestmentFairValueMeasurementMember 2024-10-31 0001645590 hpe:AlternativeInvestmentFairValueMeasurementMember 2023-10-31 0001645590 hpe:AlternativeInvestmentFairValueMeasurementMember 2023-11-012024-10-31 0001645590 hpe:AlternativeInvestmentFairValueMeasurementMember 2022-11-012023-10-31 0001645590 hpe:AlternativeInvestmentFairValueMeasurementMember 2021-11-012022-10-31 0001645590 hpe:AlternativeInvestmentMeasurementAlternativeMember 2023-10-31 0001645590 us-gaap:CashFlowHedgingMember 2023-11-012024-10-31 0001645590 srt:MaximumMemberus-gaap:CashFlowHedgingMember 2023-11-012024-10-31 0001645590 hpe:JuniperNetworksIncMemberus-gaap:CashFlowHedgingMemberus-gaap:DesignatedAsHedgingInstrumentMember 2024-09-01 0001645590 hpe:JuniperNetworksIncMemberus-gaap:CashFlowHedgingMemberus-gaap:DesignatedAsHedgingInstrumentMember 2023-11-012024-10-31 0001645590 us-gaap:InterestRateContractMemberus-gaap:FairValueHedgingMemberus-gaap:DesignatedAsHedgingInstrumentMember 2024-10-31 0001645590 us-gaap:OtherCurrentAssetsMemberus-gaap:InterestRateContractMemberus-gaap:FairValueHedgingMemberus-gaap:DesignatedAsHedgingInstrumentMember 2024-10-31 0001645590 us-gaap:OtherNoncurrentAssetsMemberus-gaap:InterestRateContractMemberus-gaap:FairValueHedgingMemberus-gaap:DesignatedAsHedgingInstrumentMember 2024-10-31 0001645590 us-gaap:OtherCurrentLiabilitiesMemberus-gaap:InterestRateContractMemberus-gaap:FairValueHedgingMemberus-gaap:DesignatedAsHedgingInstrumentMember 2024-10-31 0001645590 us-gaap:OtherNoncurrentLiabilitiesMemberus-gaap:InterestRateContractMemberus-gaap:FairValueHedgingMemberus-gaap:DesignatedAsHedgingInstrumentMember 2024-10-31 0001645590 us-gaap:OtherNoncurrentLiabilitiesMemberus-gaap:InterestRateContractMemberus-gaap:FairValueHedgingMemberus-gaap:DesignatedAsHedgingInstrumentMember 2024-10-31 0001645590 us-gaap:InterestRateContractMemberus-gaap:FairValueHedgingMemberus-gaap:DesignatedAsHedgingInstrumentMember 2023-10-31 0001645590 us-gaap:OtherCurrentAssetsMemberus-gaap:InterestRateContractMemberus-gaap:FairValueHedgingMemberus-gaap:DesignatedAsHedgingInstrumentMember 2023-10-31 0001645590 us-gaap:OtherNoncurrentAssetsMemberus-gaap:InterestRateContractMemberus-gaap:FairValueHedgingMemberus-gaap:DesignatedAsHedgingInstrumentMember 2023-10-31 0001645590 us-gaap:OtherCurrentLiabilitiesMemberus-gaap:InterestRateContractMemberus-gaap:FairValueHedgingMemberus-gaap:DesignatedAsHedgingInstrumentMember 2023-10-31 0001645590 us-gaap:OtherNoncurrentLiabilitiesMemberus-gaap:InterestRateContractMemberus-gaap:FairValueHedgingMemberus-gaap:DesignatedAsHedgingInstrumentMember 2023-10-31 0001645590 us-gaap:ForeignExchangeContractMemberus-gaap:CashFlowHedgingMemberus-gaap:DesignatedAsHedgingInstrumentMember 2024-10-31 0001645590 us-gaap:OtherCurrentAssetsMemberus-gaap:ForeignExchangeContractMemberus-gaap:CashFlowHedgingMemberus-gaap:DesignatedAsHedgingInstrumentMember 2024-10-31 0001645590 us-gaap:OtherNoncurrentAssetsMemberus-gaap:ForeignExchangeContractMemberus-gaap:CashFlowHedgingMemberus-gaap:DesignatedAsHedgingInstrumentMember 2024-10-31 0001645590 us-gaap:OtherCurrentLiabilitiesMemberus-gaap:ForeignExchangeContractMemberus-gaap:CashFlowHedgingMemberus-gaap:DesignatedAsHedgingInstrumentMember 2024-10-31 0001645590 us-gaap:OtherNoncurrentLiabilitiesMemberus-gaap:ForeignExchangeContractMemberus-gaap:CashFlowHedgingMemberus-

[illegible]

~~gaap:OtherContractMemberus-gaap:NondesignatedMember 2024-10-31 0001645590 us-~~
~~gaap:OtherNoncurrentLiabilitiesMemberus-gaap:OtherContractMemberus-~~
~~gaap:NondesignatedMember 2024-10-31 0001645590 us-gaap:OtherContractMemberus-~~
~~gaap:NondesignatedMember 2023-10-31 0001645590 us-gaap:OtherCurrentAssetsMemberus-~~
~~gaap:OtherContractMemberus-gaap:NondesignatedMember 2023-10-31 0001645590 us-~~
~~gaap:OtherNoncurrentAssetsMemberus-gaap:OtherContractMemberus-~~
~~gaap:NondesignatedMember 2023-10-31 0001645590 us-gaap:OtherCurrentLiabilitiesMemberus-~~
~~gaap:OtherContractMemberus-gaap:NondesignatedMember 2023-10-31 0001645590 us-~~
~~gaap:OtherNoncurrentLiabilitiesMemberus-gaap:OtherContractMemberus-~~
~~gaap:NondesignatedMember 2023-10-31 0001645590 us-gaap:NondesignatedMember 2024-10-31~~
~~0001645590 us-gaap:OtherCurrentAssetsMemberus-gaap:NondesignatedMember 2024-10-31~~
~~0001645590 us-gaap:OtherNoncurrentAssetsMemberus-gaap:NondesignatedMember 2024-10-31~~
~~0001645590 us-gaap:OtherCurrentLiabilitiesMemberus-gaap:NondesignatedMember 2024-10-31~~
~~0001645590 us-gaap:OtherNoncurrentLiabilitiesMemberus-gaap:NondesignatedMember 2024-10-~~
~~31 0001645590 us-gaap:NondesignatedMember 2023-10-31 0001645590 us-~~
~~gaap:OtherCurrentAssetsMemberus-gaap:NondesignatedMember 2023-10-31 0001645590 us-~~
~~gaap:OtherNoncurrentAssetsMemberus-gaap:NondesignatedMember 2023-10-31 0001645590 us-~~
~~gaap:OtherCurrentLiabilitiesMemberus-gaap:NondesignatedMember 2023-10-31 0001645590 us-~~
~~gaap:OtherNoncurrentLiabilitiesMemberus-gaap:NondesignatedMember 2023-10-31 0001645590~~
~~us-gaap:OtherCurrentAssetsMember 2024-10-31 0001645590 us-~~
~~gaap:OtherNoncurrentAssetsMember 2024-10-31 0001645590 us-~~
~~gaap:OtherCurrentLiabilitiesMember 2024-10-31 0001645590 us-~~
~~gaap:OtherNoncurrentLiabilitiesMember 2024-10-31 0001645590 us-~~
~~gaap:OtherCurrentAssetsMember 2023-10-31 0001645590 us-gaap:OtherNoncurrentAssetsMember~~
~~2023-10-31 0001645590 us-gaap:OtherCurrentLiabilitiesMember 2023-10-31 0001645590 us-~~
~~gaap:OtherNoncurrentLiabilitiesMember 2023-10-31 0001645590~~
~~hpe:LongTermDebtAndLeaseObligationMember 2024-10-31 0001645590~~
~~hpe:LongTermDebtAndLeaseObligationMember 2023-10-31 0001645590 us-~~
~~gaap:ForeignExchangeContractMember 2023-11-012024-10-31 0001645590 us-~~
~~gaap:ForeignExchangeContractMember 2022-11-012023-10-31 0001645590 us-~~
~~gaap:ForeignExchangeContractMember 2021-11-012022-10-31 0001645590 us-~~
~~gaap:InterestRateContractMember 2023-11-012024-10-31 0001645590 us-~~
~~gaap:InterestRateContractMember 2022-11-012023-10-31 0001645590 us-~~
~~gaap:InterestRateContractMember 2021-11-012022-10-31 0001645590 us-~~
~~gaap:InterestRateContractMemberhpe:RevenuesMember 2023-11-012024-10-31 0001645590 us-~~
~~gaap:InterestRateContractMemberus-gaap:NonoperatingIncomeExpenseMember 2023-11-012024-~~
~~10-31 0001645590 us-gaap:InterestRateContractMemberhpe:RevenuesMember 2022-11-012023-~~
~~10-31 0001645590 us-gaap:InterestRateContractMemberus-~~
~~gaap:NonoperatingIncomeExpenseMember 2022-11-012023-10-31 0001645590 us-~~
~~gaap:InterestRateContractMemberhpe:RevenuesMember 2021-11-012022-10-31 0001645590 us-~~
~~gaap:InterestRateContractMemberus-gaap:NonoperatingIncomeExpenseMember 2021-11-012022-~~
~~10-31 0001645590 us-gaap:InterestRateContractMemberus-~~
~~gaap:DesignatedAsHedgingInstrumentMemberhpe:RevenuesMember 2023-11-012024-10-31~~
~~0001645590 us-gaap:InterestRateContractMemberus-~~
~~gaap:DesignatedAsHedgingInstrumentMemberus-gaap:NonoperatingIncomeExpenseMember 2023-~~
~~11-012024-10-31 0001645590 us-gaap:InterestRateContractMemberus-~~
~~gaap:DesignatedAsHedgingInstrumentMemberhpe:RevenuesMember 2022-11-012023-10-31~~
~~0001645590 us-gaap:InterestRateContractMemberus-~~
~~gaap:DesignatedAsHedgingInstrumentMemberus-gaap:NonoperatingIncomeExpenseMember 2022-~~
~~11-012023-10-31 0001645590 us-gaap:InterestRateContractMemberus-~~
~~gaap:DesignatedAsHedgingInstrumentMemberhpe:RevenuesMember 2021-11-012022-10-31~~
~~0001645590 us-gaap:InterestRateContractMemberus-~~
~~gaap:DesignatedAsHedgingInstrumentMemberus-gaap:NonoperatingIncomeExpenseMember 2021-~~
~~11-012022-10-31 0001645590 us-gaap:ForeignExchangeContractMemberhpe:RevenuesMember~~
~~2023-11-012024-10-31 0001645590 us-gaap:ForeignExchangeContractMemberus-~~
~~gaap:NonoperatingIncomeExpenseMember 2023-11-012024-10-31 0001645590 us-~~
~~gaap:ForeignExchangeContractMemberhpe:RevenuesMember 2022-11-012023-10-31 0001645590~~
~~us-gaap:ForeignExchangeContractMemberus-gaap:NonoperatingIncomeExpenseMember 2022-11-~~
~~012023-10-31 0001645590 us-gaap:ForeignExchangeContractMemberhpe:RevenuesMember 2021-~~
~~11-012022-10-31 0001645590 us-gaap:ForeignExchangeContractMemberus-~~
~~gaap:NonoperatingIncomeExpenseMember 2021-11-012022-10-31 0001645590 us-~~
~~gaap:OtherContractMemberhpe:RevenuesMember 2023-11-012024-10-31 0001645590 us-~~
~~gaap:OtherContractMemberus-gaap:NonoperatingIncomeExpenseMember 2023-11-012024-10-31~~
~~0001645590 us-gaap:OtherContractMemberhpe:RevenuesMember 2022-11-012023-10-31~~
~~0001645590 us-gaap:OtherContractMemberus-gaap:NonoperatingIncomeExpenseMember 2022-11-~~
~~012023-10-31 0001645590 us-gaap:OtherContractMemberhpe:RevenuesMember 2021-11-012022-~~
~~10-31 0001645590 us-gaap:OtherContractMemberus-gaap:NonoperatingIncomeExpenseMember~~

2021-11-012022-10-31 0001645590 hpe:RevenuesMember 2021-11-012022-10-31 0001645590
hpe:RevenuesMember 2022-11-012023-10-31 0001645590 us-
gaap:NonoperatingIncomeExpenseMember 2022-11-012023-10-31 0001645590
hpe:RevenuesMember 2023-11-012024-10-31 0001645590 us-
gaap:NonoperatingIncomeExpenseMember 2021-11-012022-10-31 0001645590 us-
gaap:NonoperatingIncomeExpenseMember 2023-11-012024-10-31 0001645590 us-
gaap:CommercialPaperMember 2024-10-31 0001645590 us-gaap:CommercialPaperMember 2023-
10-31 0001645590 hpe:NotesPayableToBanksLinesOfCreditAndOtherNotesPayablesMember 2024-
10-31 0001645590 hpe:NotesPayableToBanksLinesOfCreditAndOtherNotesPayablesMember 2023-
10-31 0001645590 us-gaap:AssetBackedSecuritiesMember 2024-10-31 0001645590
hpe:SeniorNotes2024IssuedAtDiscountToParDueSeptember2026Memberus-
gaap:SeniorNotesMember 2024-10-31 0001645590
hpe:SeniorNotes2024IssuedAtDiscountToParDueSeptember2026Memberus-
gaap:SeniorNotesMember 2023-10-31 0001645590
hpe:SeniorNotes2024IssuedAtDiscountToParDueSeptember2027Memberus-
gaap:SeniorNotesMember 2024-10-31 0001645590
hpe:SeniorNotes2024IssuedAtDiscountToParDueSeptember2027Memberus-
gaap:SeniorNotesMember 2023-10-31 0001645590
hpe:SeniorNotes2024IssuedAtDiscountToParDueOctober2029Memberus-gaap:SeniorNotesMember
2024-10-31 0001645590 hpe:SeniorNotes2024IssuedAtDiscountToParDueOctober2029Memberus-
gaap:SeniorNotesMember 2023-10-31 0001645590
hpe:SeniorNotes2024IssuedAtDiscountToParDueOctober2031Memberus-gaap:SeniorNotesMember
2024-10-31 0001645590 hpe:SeniorNotes2024IssuedAtDiscountToParDueOctober2031Memberus-
gaap:SeniorNotesMember 2023-10-31 0001645590
hpe:SeniorNotes2024IssuedAtDiscountToParDueOctober2034Memberus-gaap:SeniorNotesMember
2024-10-31 0001645590 hpe:SeniorNotes2024IssuedAtDiscountToParDueOctober2034Memberus-
gaap:SeniorNotesMember 2023-10-31 0001645590
hpe:SeniorNotes2024IssuedAtDiscountToParDueOctober2054Memberus-gaap:SeniorNotesMember
2024-10-31 0001645590 hpe:SeniorNotes2024IssuedAtDiscountToParDueOctober2054Memberus-
gaap:SeniorNotesMember 2023-10-31 0001645590
hpe:SeniorNotes2023IssuedAtPremiumToParDueOctober2024Memberus-gaap:SeniorNotesMember
2023-10-31 0001645590 hpe:SeniorNotes2023IssuedAtPremiumToParDueOctober2024Memberus-
gaap:SeniorNotesMember 2024-10-31 0001645590
hpe:SeniorNotes2023IssuedAtDiscountToParDueJuly2028Memberus-gaap:SeniorNotesMember
2024-10-31 0001645590 hpe:SeniorNotes2023IssuedAtDiscountToParDueJuly2028Memberus-
gaap:SeniorNotesMember 2023-10-31 0001645590
hpe:SeniorNotes2023IssuedAtDiscountToParDueApril2026Memberus-gaap:SeniorNotesMember
2024-10-31 0001645590 hpe:SeniorNotes2023IssuedAtDiscountToParDueApril2026Memberus-
gaap:SeniorNotesMember 2023-10-31 0001645590
hpe:SeniorNotes2023IssuedAtDiscountToParDueOctober2024Memberus-gaap:SeniorNotesMember
2023-10-31 0001645590 hpe:SeniorNotes2023IssuedAtDiscountToParDueOctober2024Memberus-
gaap:SeniorNotesMember 2024-10-31 0001645590
hpe:SeniorNotes2020IssuedAtDiscountToParDueApril2024Memberus-gaap:SeniorNotesMember
2023-10-31 0001645590 hpe:SeniorNotes2020IssuedAtDiscountToParDueApril2024Memberus-
gaap:SeniorNotesMember 2024-10-31 0001645590
hpe:SeniorNotes2020IssuedAtDiscountToParDueApril2026Memberus-gaap:SeniorNotesMember
2023-10-31 0001645590 hpe:SeniorNotes2020IssuedAtDiscountToParDueApril2026Memberus-
gaap:SeniorNotesMember 2024-10-31 0001645590
hpe:SeniorNotes2015IssuedAtDiscountToParDueOctober2025Memberus-gaap:SeniorNotesMember
2023-10-31 0001645590 hpe:SeniorNotes2015IssuedAtDiscountToParDueOctober2025Memberus-
gaap:SeniorNotesMember 2024-10-31 0001645590
hpe:SeniorNotes2015IssuedAtDiscountToParDueOctober2035Memberus-gaap:SeniorNotesMember
2024-10-31 0001645590 hpe:SeniorNotes2015IssuedAtDiscountToParDueOctober2035Memberus-
gaap:SeniorNotesMember 2023-10-31 0001645590
hpe:SeniorNotes2015IssuedAtDiscountToParDueOctober2045Memberus-gaap:SeniorNotesMember
2024-10-31 0001645590 hpe:SeniorNotes2015IssuedAtDiscountToParDueOctober2045Memberus-
gaap:SeniorNotesMember 2023-10-31 0001645590
hpe:AssetBackedSecuritiesIssuedJune2024Memberus-gaap:AssetBackedSecuritiesMember 2024-
10-31 0001645590 hpe:AssetBackedSecuritiesIssuedJune2024Memberus-
gaap:AssetBackedSecuritiesMember 2023-11-012024-10-31 0001645590
hpe:AssetBackedSecuritiesIssuedJune2024Memberus-gaap:AssetBackedSecuritiesMember 2023-
10-31 0001645590 hpe:AssetBackedSecuritiesIssuedJanuary2024Memberus-
gaap:AssetBackedSecuritiesMember 2024-10-31 0001645590
hpe:AssetBackedSecuritiesIssuedJanuary2024Memberus-gaap:AssetBackedSecuritiesMember 2023-
11-012024-10-31 0001645590 hpe:AssetBackedSecuritiesIssuedJanuary2024Memberus-
gaap:AssetBackedSecuritiesMember 2023-10-31 0001645590
hpe:AssetBackedSecuritiesIssuedSeptember2023Memberus-gaap:AssetBackedSecuritiesMember

2024-10-31 0001645590 hpe:AssetBackedSecuritiesIssuedSeptember2023Memberus-gaap:AssetBackedSecuritiesMember 2023-10-31 0001645590
hpe:AssetBackedSecuritiesIssuedSeptember2023Memberus-gaap:AssetBackedSecuritiesMember 2023-11-012024-10-31 0001645590 hpe:AssetBackedSecuritiesIssuedSeptember2023Memberus-gaap:AssetBackedSecuritiesMember 2022-11-012023-10-31 0001645590
hpe:AssetBackedSecuritiesIssuedInMarchAndApril2023Memberus-gaap:AssetBackedSecuritiesMember 2024-10-31 0001645590
hpe:AssetBackedSecuritiesIssuedInMarchAndApril2023Memberus-gaap:AssetBackedSecuritiesMember 2023-10-31 0001645590
hpe:AssetBackedSecuritiesIssuedInMarchAndApril2023Memberus-gaap:AssetBackedSecuritiesMember 2023-11-012024-10-31 0001645590
hpe:AssetBackedSecuritiesIssuedInMarchAndApril2023Memberus-gaap:AssetBackedSecuritiesMember 2022-11-012023-10-31 0001645590
hpe:AssetBackedSecuritiesIssuedInOctober2022Memberus-gaap:AssetBackedSecuritiesMember 2023-10-31 0001645590 hpe:AssetBackedSecuritiesIssuedInOctober2022Memberus-gaap:AssetBackedSecuritiesMember 2024-10-31 0001645590
hpe:AssetBackedSecuritiesIssuedInOctober2022Memberus-gaap:AssetBackedSecuritiesMember 2022-11-012023-10-31 0001645590 hpe:AssetBackedSecuritiesIssuedInOctober2022Memberus-gaap:AssetBackedSecuritiesMember 2023-11-012024-10-31 0001645590
hpe:AssetBackedSecuritiesIssuedInMay2022Memberus-gaap:AssetBackedSecuritiesMember 2023-10-31 0001645590 hpe:AssetBackedSecuritiesIssuedInMay2022Memberus-gaap:AssetBackedSecuritiesMember 2024-10-31 0001645590
hpe:AssetBackedSecuritiesIssuedInMay2022Memberus-gaap:AssetBackedSecuritiesMember 2022-11-012023-10-31 0001645590 hpe:AssetBackedSecuritiesIssuedInMay2022Memberus-gaap:AssetBackedSecuritiesMember 2023-11-012024-10-31 0001645590
hpe:AssetBackedSecuritiesIssuedInJanuary2022Memberus-gaap:AssetBackedSecuritiesMember 2024-10-31 0001645590 hpe:AssetBackedSecuritiesIssuedInJanuary2022Memberus-gaap:AssetBackedSecuritiesMember 2023-10-31 0001645590
hpe:AssetBackedSecuritiesIssuedInJanuary2022Memberus-gaap:AssetBackedSecuritiesMember 2022-11-012023-10-31 0001645590 hpe:AssetBackedSecuritiesIssuedInJanuary2022Memberus-gaap:AssetBackedSecuritiesMember 2023-11-012024-10-31 0001645590
hpe:AssetBackedSecuritiesIssuedJune2021Memberus-gaap:AssetBackedSecuritiesMember 2023-10-31 0001645590 hpe:AssetBackedSecuritiesIssuedJune2021Memberus-gaap:AssetBackedSecuritiesMember 2024-10-31 0001645590
hpe:AssetBackedSecuritiesIssuedJune2021Memberus-gaap:AssetBackedSecuritiesMember 2022-11-012023-10-31 0001645590 hpe:AssetBackedSecuritiesIssuedJune2021Memberus-gaap:AssetBackedSecuritiesMember 2023-11-012024-10-31 0001645590
hpe:AssetBackedSecuritiesIssuedInMarch2021Memberus-gaap:AssetBackedSecuritiesMember 2023-10-31 0001645590 hpe:AssetBackedSecuritiesIssuedInMarch2021Memberus-gaap:AssetBackedSecuritiesMember 2024-10-31 0001645590
hpe:AssetBackedSecuritiesIssuedInMarch2021Memberus-gaap:AssetBackedSecuritiesMember 2022-11-012023-10-31 0001645590 hpe:AssetBackedSecuritiesIssuedInMarch2021Memberus-gaap:AssetBackedSecuritiesMember 2023-11-012024-10-31 0001645590
srt:MinimumMemberhpe:OtherLongTermDebtAndCapitalLeaseObligationsMember 2024-10-31 0001645590 srt:MinimumMemberhpe:OtherLongTermDebtAndCapitalLeaseObligationsMember 2023-10-31 0001645590
srt:MaximumMemberhpe:OtherLongTermDebtAndCapitalLeaseObligationsMember 2023-10-31 0001645590 srt:MaximumMemberhpe:OtherLongTermDebtAndCapitalLeaseObligationsMember 2024-10-31 0001645590 hpe:OtherLongTermDebtAndCapitalLeaseObligationsMember 2024-10-31 0001645590
hpe:OtherLongTermDebtAndCapitalLeaseObligationsMember 2023-10-31 0001645590 hpe:OtherLongTermDebtAndCapitalLeaseObligationsMemberhpe:FinancialServicesMember 2024-10-31 0001645590
hpe:OtherLongTermDebtAndCapitalLeaseObligationsMemberhpe:FinancialServicesMember 2023-10-31 0001645590 hpe:UnitedStatesCommercialPaperProgramMemberus-gaap:CommercialPaperMember 2024-10-31 0001645590
hpe:EuroCommercialPaperProgramMemberus-gaap:CommercialPaperMember 2024-10-31 0001645590 hpe:EuroCommercialPaperCertificateofDepositProgrammeMemberus-gaap:CommercialPaperMemberhpe:HewlettPackardInternationalBankPLCMember 2024-10-31 0001645590
hpe:EuroCommercialPaperProgramMemberus-gaap:CommercialPaperMemberhpe:HewlettPackardEnterpriseMember 2024-10-31 0001645590
hpe:EuroCommercialPaperProgramMemberus-gaap:CommercialPaperMemberhpe:HewlettPackardEnterpriseMember 2023-10-31 0001645590
hpe:UnsecuredRevolvingCreditFacilityMember 2024-09-30 0001645590
hpe:UnsecuredRevolvingCreditFacilityMember 2024-09-302024-09-30 0001645590
hpe:UnsecuredRevolvingCreditFacilityMemberhpe:ImmediatelyAvailableMember 2024-09-30 0001645590
hpe:UnsecuredRevolvingCreditFacilityMemberhpe:AvailableUponClosingOfJuniperAcquisitionMemb

~~2024-09-30 0001645590 hpe:UnsecuredRevolvingCreditFacilityMember 2023-10-31 0001645590~~
~~hpe:UnsecuredRevolvingCreditFacilityMember 2024-10-31 0001645590~~
~~hpe:UncommittedCreditFacilityMemberus-gaap:RevolvingCreditFacilityMember 2023-09-212023-~~
~~09-21 0001645590 hpe:UncommittedCreditFacilityMemberus-gaap:RevolvingCreditFacilityMember~~
~~2023-09-21 0001645590 hpe:UncommittedCreditFacilityMemberus-~~
~~gaap:RevolvingCreditFacilityMember 2024-10-31 0001645590~~
~~hpe:SeniorUnsecuredDelayedDrawTermLoanMemberus-gaap:RevolvingCreditFacilityMember 2024-~~
~~01-09 0001645590 hpe:SeniorUnsecuredDelayedDrawTermLoanMemberus-~~
~~gaap:LineOfCreditMember 2024-01-09 0001645590~~
~~hpe:SeniorUnsecuredDelayedDrawTermLoanMemberus-gaap:LineOfCreditMember 2024-01-~~
~~092024-01-09 0001645590 hpe:SeniorUnsecuredDelayedDrawTermLoanMemberus-~~
~~gaap:LineOfCreditMember 2024-01-09 0001645590~~
~~hpe:SeniorUnsecuredDelayedDrawTermLoanMemberus-gaap:LineOfCreditMember 2024-01-~~
~~092024-01-09 0001645590 hpe:SeniorNotesAndLongTermDebtMember 2024-09-30 0001645590~~
~~hpe:SeniorUnsecuredDelayedDrawTermLoanIssuedSeptember2024Member 2024-09-30 0001645590~~
~~hpe:SeniorUnsecuredDelayedDrawTermLoanIssuedSeptember2024Memberus-~~
~~gaap:LineOfCreditMember 2024-09-30 0001645590~~
~~hpe:SeniorUnsecuredDelayedDrawTermLoanIssuedSeptember2024Memberus-~~
~~gaap:LineOfCreditMember 2024-09-302024-09-30 0001645590~~
~~hpe:SeniorUnsecuredDelayedDrawTermLoanIssuedSeptember2024Memberus-~~
~~gaap:LineOfCreditMember 2024-09-30 0001645590~~
~~hpe:SeniorUnsecuredDelayedDrawTermLoanIssuedSeptember2024Memberus-~~
~~gaap:LineOfCreditMember 2024-09-302024-09-30 0001645590~~
~~hpe:SeniorUnsecuredDelayedDrawTermLoanIssuedSeptember2024Memberus-~~
~~gaap:LineOfCreditMember 2024-10-01 0001645590~~
~~hpe:SeniorUnsecuredDelayedDrawTermLoanIssuedSeptember2024Member 2024-10-31 0001645590~~
~~hpe:SeniorUnsecuredDelayedDrawTermLoanIssuedSeptember2024Member 2024-10-312024-10-31~~
~~0001645590 us-gaap:AccumulatedNetUnrealizedInvestmentGainLossMember 2023-10-31~~
~~0001645590 us-gaap:AccumulatedGainLossNetCashFlowHedgeParentMember 2023-10-31~~
~~0001645590 us-gaap:AccumulatedDefinedBenefitPlansAdjustmentMember 2023-10-31 0001645590~~
~~us-gaap:AccumulatedTranslationAdjustmentMember 2023-10-31 0001645590 us-~~
~~gaap:AccumulatedNetUnrealizedInvestmentGainLossMember 2023-11-012024-10-31 0001645590~~
~~us-gaap:AccumulatedGainLossNetCashFlowHedgeParentMember 2023-11-012024-10-31~~
~~0001645590 us-gaap:AccumulatedDefinedBenefitPlansAdjustmentMember 2023-11-012024-10-31~~
~~0001645590 us-gaap:AccumulatedTranslationAdjustmentMember 2023-11-012024-10-31~~
~~0001645590 us-gaap:AccumulatedNetUnrealizedInvestmentGainLossMember 2024-10-31~~
~~0001645590 us-gaap:AccumulatedGainLossNetCashFlowHedgeParentMember 2024-10-31~~
~~0001645590 us-gaap:AccumulatedDefinedBenefitPlansAdjustmentMember 2024-10-31 0001645590~~
~~us-gaap:AccumulatedTranslationAdjustmentMember 2024-10-31 0001645590 us-~~
~~gaap:AccumulatedNetUnrealizedInvestmentGainLossMember 2022-10-31 0001645590 us-~~
~~gaap:AccumulatedGainLossNetCashFlowHedgeParentMember 2022-10-31 0001645590 us-~~
~~gaap:AccumulatedDefinedBenefitPlansAdjustmentMember 2022-10-31 0001645590 us-~~
~~gaap:AccumulatedTranslationAdjustmentMember 2022-10-31 0001645590 us-~~
~~gaap:AccumulatedNetUnrealizedInvestmentGainLossMember 2022-11-012023-10-31 0001645590~~
~~us-gaap:AccumulatedGainLossNetCashFlowHedgeParentMember 2022-11-012023-10-31~~
~~0001645590 us-gaap:AccumulatedDefinedBenefitPlansAdjustmentMember 2022-11-012023-10-31~~
~~0001645590 us-gaap:AccumulatedTranslationAdjustmentMember 2022-11-012023-10-31~~
~~0001645590 us-gaap:AccumulatedNetUnrealizedInvestmentGainLossMember 2021-10-31~~
~~0001645590 us-gaap:AccumulatedGainLossNetCashFlowHedgeParentMember 2021-10-31~~
~~0001645590 us-gaap:AccumulatedDefinedBenefitPlansAdjustmentMember 2021-10-31 0001645590~~
~~us-gaap:AccumulatedTranslationAdjustmentMember 2021-10-31 0001645590 us-~~
~~gaap:AccumulatedNetUnrealizedInvestmentGainLossMember 2021-11-012022-10-31 0001645590~~
~~us-gaap:AccumulatedGainLossNetCashFlowHedgeParentMember 2021-11-012022-10-31~~
~~0001645590 us-gaap:AccumulatedDefinedBenefitPlansAdjustmentMember 2021-11-012022-10-31~~
~~0001645590 us-gaap:AccumulatedTranslationAdjustmentMember 2021-11-012022-10-31~~
~~0001645590 us-gaap:ConvertiblePreferredStockMember 2024-09-012024-09-30 0001645590 us-~~
~~gaap:ConvertiblePreferredStockMember 2024-09-10 0001645590 us-~~
~~gaap:ConvertiblePreferredStockMember 2024-10-31 0001645590~~
~~srt:MinimumMemberhpe:ConversionOnSeptember12027Memberus-~~
~~gaap:ConvertiblePreferredStockMember 2024-09-10 0001645590~~
~~srt:MaximumMemberhpe:ConversionOnSeptember12027Memberus-~~
~~gaap:ConvertiblePreferredStockMember 2024-09-10 0001645590~~
~~hpe:ConversionOnSeptember12027Memberus-gaap:ConvertiblePreferredStockMember 2024-09-~~
~~102024-09-10 0001645590 srt:MinimumMemberhpe:ConversionBeforeSeptember12027Memberus-~~
~~gaap:ConvertiblePreferredStockMember 2024-10-01 0001645590~~
~~srt:MaximumMemberhpe:ConversionBeforeSeptember12027Memberus-~~
~~gaap:ConvertiblePreferredStockMember 2024-10-01 0001645590 us-gaap:SubsequentEventMember~~

2024-12-052024-12-05 0001645590 us-gaap:ConvertiblePreferredStockMember 2024-08-012024-10-31 0001645590 2015-10-13 0001645590 hpe:ShareRepurchaseProgramMember 2016-05-24 0001645590 hpe:ShareRepurchaseProgramMember 2017-10-16 0001645590 hpe:ShareRepurchaseProgramMember 2018-02-21 0001645590 hpe:ShareRepurchaseProgramMember 2023-11-012024-10-31 0001645590 hpe:ShareRepurchaseProgramMember 2022-11-012023-10-31 0001645590 hpe:AcceleratedShareRepurchaseAgreementMember 2023-11-012024-10-31 0001645590 hpe:ShareRepurchaseProgramMember 2021-11-012022-10-31 0001645590 hpe:AcceleratedShareRepurchaseAgreementMember 2022-11-012023-10-31 0001645590 hpe:IndiaDirectorateOfRevenueIntelligenceProceedingsMember 2010-04-302010-05-10 0001645590 2010-04-302010-05-10 0001645590 hpe:BangaloreCommissionerOfCustomsMember 2012-04-11 0001645590 hpe:BangaloreCommissionerOfCustomsMember 2012-04-20 0001645590 hpe:ECTMember 2006-11-012008-10-31 0001645590 2011-07-012011-07-31 0001645590 srt:MaximumMemberhpe:ECTMember 2011-09-012011-09-30 0001645590 srt:MinimumMemberhpe:ECTMember 2011-09-012011-09-30 0001645590 hpe:Forsythetal.vsHPInc.andHewlettPackardEnterpriseMembersrt:MinimumMember 2012-08-182012-08-18 0001645590 hpe:Q3NetworkingLitigationMember 2020-09-212020-09-22 0001645590 us-gaap:IndemnificationGuaranteeMemberhpe:LitigationMattersAndOtherContingenciesMember 2024-10-31 0001645590 us-gaap:IndemnificationGuaranteeMemberhpe:LitigationMattersAndOtherContingenciesMember 2023-10-31 0001645590 hpe:TaxIndemnificationMember 2024-10-31 0001645590 hpe:TaxIndemnificationMember 2023-10-31 0001645590 hpe:H3CMember 2022-12-30 0001645590 hpe:H3CMemberhpe:AmendedAndRestatedPutSharePurchaseAgreementMember 2024-05-24 0001645590 hpe:H3CMemberhpe:SubsequentOptionAgreementMember 2024-05-24 0001645590 2024-09-04 0001645590 hpe:H3CMember 2024-10-31 0001645590 hpe:H3CMember 2023-10-31 0001645590 hpe:H3CMember 2023-11-012024-10-31 0001645590 hpe:H3CMember 2022-11-012023-10-31 0001645590 hpe:H3CMemberus-gaap:EquityMethodInvesteeMember 2023-11-012024-10-31 0001645590 hpe:H3CMemberus-gaap:EquityMethodInvesteeMember 2022-11-012023-10-31 0001645590 hpe:H3CMemberus-gaap:EquityMethodInvesteeMember 2021-11-012022-10-31 0001645590 hpe:H3CMemberus-gaap:EquityMethodInvesteeMember 2024-10-31 0001645590 hpe:H3CMemberus-gaap:EquityMethodInvesteeMember 2023-10-31 0001645590 2024-08-012024-10-31 iso4217:USD shares iso4217:USD shares pure hpe:segment hpe:country hpe:businessAcquired hpe:reportingUnit hpe:businessDay hpe:tranche hpe:commercialPaperProgram utr:D hpe:employee hpe:contract0001645590falseFY2024P2YP5YP3YP3YP1Yhttp://fasb.org/us-gaap/2024#NonqualifiedPlanMemberhttp://fasb.org/us-gaap/2024#AccountsPayableCurrentP12Mhttp://fasb.org/us-gaap/2024#AccountsPayableCurrenthttp://fasb.org/us-gaap/2024#AccountsPayableCurrenthttp://fasb.org/us-gaap/2024#OtherLiabilitiesCurrenthttp://fasb.org/us-gaap/2024#OtherLiabilitiesCurrenthttp://fasb.org/us-gaap/2024#OtherLiabilitiesNoncurrenthttp://fasb.org/us-gaap/2024#OtherLiabilitiesNoncurrenthttp://fasb.org/us-gaap/2024#PropertyPlantAndEquipmentAndFinanceLeaseRightOfUseAssetAfterAccumulatedDepreci gaap/2024#PropertyPlantAndEquipmentAndFinanceLeaseRightOfUseAssetAfterAccumulatedDepreci gaap/2024#DebtCurrenthttp://fasb.org/us-gaap/2024#DebtCurrenthttp://fasb.org/us-gaap/2024#LongTermDebtAndCapitalLeaseObligationshttp://fasb.org/us-gaap/2024#LongTermDebtAndCapitalLeaseObligationsP2Yhttp://fasb.org/us-gaap/2024#RevenueFromContractWithCustomerExcludingAssessedTaxhttp://fasb.org/us-gaap/2024#RevenueFromContractWithCustomerExcludingAssessedTaxhttp://fasb.org/us-gaap/2024#RevenueFromContractWithCustomerExcludingAssessedTaxhttp://www.hpe.com/2024103 gaap/2024#OtherAssetsCurrenthttp://fasb.org/us-gaap/2024#OtherLiabilitiesNoncurrenthttp://fasb.org/us-gaap/2024#OtherAssetsCurrenthttp://fasb.org/us-gaap/2024#OtherLiabilitiesNoncurrenthttp://fasb.org/us-gaap/2024#Revenueshttp://fasb.org/us-gaap/2024#Revenueshttp://fasb.org/us-gaap/2024#OtherNonoperatingIncomeExpensehttp://fasb.org/us-gaap/2024#Revenueshttp://fasb.org/us-gaap/2024#OtherNonoperatingIncomeExpensehttp://fasb.org/us-gaap/2024#OtherNonoperatingIncomeExpenseP5Y10-Ktrue2024-10-31--10-31false001-37483HEWLETT PACKARD ENTERPRISE COMPANYDE47-32986241701 East Mossy Oaks Road,Spring,TX77389(678)259-9860Common stock, par value \$0.01 per shareHPENYSE7.625% Series C Mandatory Convertible Preferred Stock, par value \$0.01 per shareHPEPRCNYSEYesNoYesYesLarge Accelerated Filerfalsefalsefalsefalse219850000001315333942<div style="margin-top:5pt;text-align:justify"><table style="border-collapse:collapse;display:inline-table;margin-

bottom:5pt;vertical-align:text-bottom;width:99.707%"><tr><td style="width:1.0%"></td><td style="width:76.905%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:3.152%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:16.643%"></td><td style="width:0.1%"></td></tr><tr><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">DOCUMENTS INCORPORATED BY REFERENCE</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">DOCUMENT DESCRIPTION</td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:top"><div>Portions of the Registrant's proxy statement related to its 2025 Annual Meeting of Stockholders to be filed pursuant to Regulation 14A within 120 days after Registrant's fiscal year end of October 31, 2024 are incorporated by reference into Part III of this Report.</div></td><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:top"></td><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:top"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:top">III</td></tr></table></div>42Ernst & Young LLPHouston, TexasHouston, Texas1858700000018100000000177940000001087200000010488000000102190000000668000000547000000-1000000-4800000020400000006900000019000000279370000002704600000027714000000219000000020890117000000-104000000-1210000007330000000014700000024500000021500000029530000002230000000876000000374001600000080000001000000-16000000-115000000-1770000001025000000-16000000-116000000978000000-99000000-610000004700000034000000-99000000-315000000-136000000-144000000-155000000200000030000005000000-172000000-48000000155000000-23000000-32000000-146000000-32000000009000000-32000000-14600000090000000-44000000-270000000-17000000-58000000-8700000010700000014000000-1830000002686000000203900000068500000014846000000427000000035500000003481000000380.076250.013000000030000000000.010.01960000000096000000001297258235129725823512826312068000000-3946000000-2977000000-30840000002481600000021182000000640000005600000024880000000212380000007126200000064000000-67000000-2490000001470000002450000002150000007330000000043000000200000000197000000-149000000-31000000-31000000083000000-577000000186000000909000000607000000-6940000003358000000-4000000007130000003927000000-16550000001707000000190000000-34000000150000000-164000000-275000000-334000000291000000-562000000188800000043410000004428000000459300000023670000002828000000312200000037153000000-3284000000-2087000000-31000000-4700000010000000011245000000472500000032960000005475000000488700000039920000000701362000000-1796000000-4700000036000000-27900000010524000000-18200000043100000045810000004763000000433200000015105000000458100000047630000002415597000000-29150000001997100000046000000200170000008680000008680000005000000873000000-183000000-183000000-1830000006850000005000000690000000391000000391000000391000000111000000111000000115350000000-309800000019864000000450000001990900000020250000002025000000110000002036000000140120000005400000054000000270910004190000004190000004190000000.486190000000619000000613946000000-30840000002118200000056000000212380000000.07625128263000013000000028199000000-3946000000-30840000002118200000056000000212380000002579000000257900000016000000259500000010712068000000-29770000002481600000064000000248800000000Overview and Summary of Significant Accounting Policies<div style="margin-bottom:8pt;margin-top:8pt">Background</div><div style="margin-bottom:8pt;margin-top:8pt;text-align:justify;text-indent:24.75pt">Hewlett Packard Enterprise Company ("Hewlett Packard Enterprise," "HPE," or the "Company") is a global technology leader

focused on developing intelligent solutions that allow customers to capture, analyze and act upon data seamlessly from edge to cloud. Hewlett Packard Enterprise enables customers to accelerate business outcomes by driving new business models, creating new customer and employee experiences, and increasing operational efficiency today and into the future. Hewlett Packard Enterprise's customers range from small- and medium-sized businesses to large global enterprises and governmental entities.

Basis of Presentation and Principles of Consolidation

The Consolidated Financial Statements are prepared in accordance with U.S. generally accepted accounting principles ("GAAP").

The accompanying Consolidated Financial Statements include the accounts of the Company and its subsidiaries and affiliates in which the Company has a controlling financial interest or is the primary beneficiary. All intercompany transactions and accounts within the consolidated businesses of the Company have been eliminated.

The Company consolidates a Variable Interest Entity ("VIE") where it has been determined that the Company is the primary beneficiary of the entity's operation. The primary beneficiary is the party that has both the power to direct the activities that most significantly impact the VIE's economic performance and the obligation to absorb losses or the right to receive benefits of the VIE that could potentially be significant to the VIE. In evaluating whether the Company is the primary beneficiary, the Company evaluates its power to direct the most significant activities of the VIE by considering the purpose and design of the entity and the risks the entity was designed to create and pass through to its variable interest holders. The Company also evaluates its economic interests in the VIE.

The Company accounts for investments in companies over which it has the ability to exercise significant influence but does not hold a controlling interest under the equity method of accounting, and the Company records its proportionate share of income or losses in Earnings from equity interests in the Consolidated Statements of Earnings.

Non-controlling interests are presented as a separate component within Total stockholders' equity in the Consolidated Balance Sheets. Net earnings attributable to non-controlling interests are recorded within Interest and other, net in the Consolidated Statements of Earnings and are not presented separately, as they were not material for any periods presented.

Segment Realignment

Effective as of the beginning of fiscal 2024, in order to align the segment financial reporting more closely with its business structure, the Company established two new reportable segments, Hybrid Cloud and Server. Hybrid Cloud includes the historical Storage segment, HPE GreenLake Flex Solutions (which provides flexible as-a-service ("aaS") IT infrastructure through the HPE GreenLake cloud and was previously reported under the Compute and the High Performance Computing & Artificial Intelligence ("HPC & AI") segments), Private Cloud, and Software (previously reported under the Corporate Investments and Other segment). The Server segment combines the previously separately reported Compute and HPC & AI segments, with adjustments for certain product lines that are now reported in Hybrid Cloud. Additionally, certain products and services previously reported in the financial results for the HPC & AI segment were moved to be reported in the Hybrid Cloud segment, and the Athonet business and certain components of the Communications and Media Solutions ("CMS") business, both previously reported in the financial results for Corporate Investments and Other, moved to be reported in the Intelligent Edge segment.

As a result, the Company's organizational structure for fiscal 2024 consisted of the following segments: (i) Server; (ii) Hybrid Cloud; (iii) Intelligent Edge; (iv) Financial Services; and (v) Corporate Investments and Other. The Company began reporting under this re-aligned segment structure beginning with the results of the first quarter of fiscal 2024 included in the Quarterly Report on Form 10-Q for the fiscal quarter ended January 31, 2024.

weight:400;line-height:120%">These changes had no impact on Hewlett Packard Enterprise's previously reported consolidated net revenue, net earnings, net earnings per share ("EPS") or total assets.

style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-style:italic;font-weight:400;line-height:120%">Russia/Ukraine Conflict

style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:120%">In response to the conflict between Russia and Ukraine and the related sanctions imposed by the U.S., European Union and other countries, the Company determined that it was no longer tenable to maintain its operations in Russia and Belarus and has been proceeding with an orderly, managed exit of its remaining business in these countries. During fiscal 2022, the Company recorded total pre-tax charges of \$161 million primarily related to expected credit losses of financing and trade receivables, employee severance and abandoned assets, \$99 million of which was included in Financing cost, \$12 million in Cost of services and \$50 million in Disaster charges in the Consolidated Statements of Earnings.

style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-style:italic;font-weight:400;line-height:120%">Use of Estimates

style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:120%">The preparation of financial statements requires management to make estimates, judgments and assumptions that affect the amounts reported in the Consolidated Financial Statements and accompanying notes. Estimates are assessed each period and updated to reflect current information, including those related to revenue recognition, stock-based compensation, net periodic benefit costs, restructuring accruals, provision for taxes, valuation allowance for deferred taxes, provision for expected credit losses, inventory reserves, and impairment assessments of goodwill, intangible assets and other long-lived assets. The Company believes that these estimates, judgments and assumptions are reasonable under the circumstances, and are subject to significant uncertainties, some of which are beyond the Company's control. Should any of these estimates change, it could adversely affect the Company's results of operations. Actual results could differ materially from these estimates under different assumptions or conditions.

style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-style:italic;font-weight:400;line-height:120%">Foreign Currency Translation

style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:120%">The Company predominately uses the U.S. dollar as its functional currency. Assets and liabilities denominated in non-U.S. currencies are remeasured into U.S. dollars at current exchange rates for monetary assets and liabilities and at historical exchange rates for non-monetary assets and liabilities. Net revenue, costs and expenses denominated in non-U.S. currencies are recorded in U.S. dollars at the average rates of exchange prevailing during the period. The Company includes gains or losses from foreign currency remeasurement in Interest and other, net in the Consolidated Statements of Earnings and gains and losses from cash flow hedges in Net revenue as the hedged revenue is recognized. Certain non-U.S. subsidiaries designate the local currency as their functional currency, and the Company records the translation of their assets and liabilities into U.S. dollars at the balance sheet date as translation adjustments and includes them as a component of Accumulated other comprehensive loss in the Consolidated Balance Sheets.

style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-style:italic;font-weight:400;line-height:120%">Revenue Recognition

style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:120%">The Company accounts for a contract with a customer when both parties have provided written approval and are committed to perform, each party's rights including payment terms are identified, the contract has commercial substance, and collection of consideration is probable.

style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:120%">The Company enters into contracts with customers that typically include combinations of products and services, resulting in arrangements containing multiple performance obligations for hardware and software products and/or various services. The Company determines whether each product or service is distinct in order to identify the performance obligations in the contract and allocate the contract transaction price among the distinct performance obligations. Arrangements are distinct based on whether the customer can benefit from the product or service on its own or together with other resources that are readily available and whether the commitment to transfer the product or service to the customer is separately identifiable from other obligations in the contract. The Company classifies its hardware, perpetual software licenses, service arrangements and software-as-a-service ("SaaS") as distinct performance obligations. Term software licenses represent multiple obligations, which include software licenses and software maintenance. In transactions where the Company delivers

hardware or software, it is typically the principal and records revenue and costs of goods sold on a gross basis.

The majority of the Company's revenue is derived from sales of products and services and the associated support and maintenance, and such revenue is recognized when, or as, control of promised products or services is transferred to the customer, in an amount that reflects the consideration to which the Company expects to be entitled, in exchange for those products or services. Variable consideration offered in contracts with customers, partners and distributors may include rebates, volume-based discounts, price protection, and other incentive programs. Variable consideration is estimated at contract inception and updated at the end of each reporting period as additional information becomes available and recognized only to the extent that it is probable that a significant reversal of revenue will not occur.

Transfer of control occurs once the customer has the contractual right to use the product, generally upon delivery once title and risk of loss has transferred to the customer. Transfer of control can also occur over time for maintenance and services as the customer receives the benefit over the contract term. The Company's hardware and perpetual software licenses are distinct performance obligations where revenue is recognized upfront upon transfer of control. Term software licenses include multiple performance obligations where the term licenses are recognized upfront upon transfer of control, with the associated software maintenance revenue recognized ratably over the contract term as services and software updates are provided. SaaS arrangements have one distinct performance obligation which is satisfied over time with revenue recognized ratably over the contract term as the customer consumes the services. On its product sales, the Company records consideration from shipping and handling on a gross basis within net product sales. Revenue is recorded net of any associated sales taxes.

The Company allocates the transaction price for the contract among the performance obligations on a relative standalone selling price basis ("SSP"). For products and services sold as a bundle, the SSP is generally not directly observable and requires the Company to estimate SSP based on management judgment by considering available data such as internal margin objectives, pricing strategies, market/competitive conditions, historical profitability data, as well as other observable inputs. For certain products and services, the Company establishes SSP based on the observable price when sold separately in similar circumstances to similar customers. The Company establishes SSP ranges for its products and services and reassesses them periodically.

Judgment is applied in determining the transaction price as the Company may be required to estimate variable consideration when determining the amount of revenue to recognize. Variable consideration may include various rebates, volume-based discounts, price protection, and other incentive programs that are offered to customers, partners and distributors. When determining the amount of revenue to recognize, the Company estimates the expected usage of these programs, applying the expected value or most likely estimate and updates the estimate at each reporting period as actual utilization becomes available. The Company also considers the customers' right of return in determining the transaction price, where applicable.

Contract Balances

Accounts receivable and contract assets

A receivable is a right to consideration in exchange for products or services the Company has transferred to a customer that is unconditional. A contract asset is a right to consideration in exchange for products or services transferred to a customer that is conditional on something other than the passage of time. A receivable is recorded when the right to consideration becomes unconditional.

The Company's contract assets include unbilled receivables which are recorded when the Company recognizes revenue in advance of billings. Unbilled receivables generally relate to services contracts where a service has been performed and control has transferred, but invoicing to the customer is subject to future milestone billings or other contractual payment schedules. The Company classifies unbilled receivables as Accounts receivable.

The Company's contract assets

Contract liabilities

A contract liability is an obligation to transfer products or services to a customer for which the Company has received consideration, or the amount is due, from the customer. The Company's contract liabilities primarily consist of deferred revenue and customer deposits. Deferred revenue is recorded when amounts invoiced to customers are in excess of revenue that can be recognized because performance obligations have not been satisfied and control of the promised products or services has not transferred to the customer. Deferred revenue largely represents amounts invoiced in advance for product (hardware/software) support contracts, consulting projects and product sales where revenue cannot be recognized yet. Customer deposits largely represent payments received from customers in advance of the Company's completion of its contractual obligations. As customer acceptance milestones are met, the Company will recognize revenue and reduce the amount of contract liabilities.

Costs to obtain a contract with a customer

The Company capitalizes the incremental costs of obtaining a contract with a customer, primarily sales commissions, if the Company expects to recover those costs. The Company has elected, as a practical expedient, to expense the costs of obtaining a contract as incurred for contracts with terms of one year or less. The typical amortization periods used range from sec-ix-hidden:f-542two to five years. The Company periodically reviews the capitalized sales commission costs for possible impairment losses. The amortization of capitalized costs to obtain a contract are included in Selling, general and administrative expense. Refer to Note 7, "Balance Sheet Details" for additional information.

Shipping and Handling

The Company includes costs related to shipping and handling in Cost of products.

Stock-Based Compensation

Stock-based compensation expense is based on the measurement date fair value of the award and is recognized only for those awards expected to meet the service and performance vesting conditions. Stock-based compensation expense for stock options and restricted stock units with only a service condition is recognized on a straight-line basis over the requisite service period of the award. For stock options and restricted stock units with both a service condition and a performance or market condition, the expense is recognized on a graded vesting basis over the requisite service period of the award. Stock-based compensation expense is determined at the aggregate grant level for service-based awards and at the individual vesting tranche level for awards with performance and/or market conditions. The forfeiture rate is estimated based on historical experience.

Retirement and Post-Retirement Plans

The Company has various defined benefit, other contributory and noncontributory, retirement and post-retirement plans. The costs and obligations for these plans depend on various assumptions. Major assumptions relate primarily to discount rates, mortality rates, expected increases in compensation levels and the expected long-term return on plan assets. These assumptions vary by plan, and the weighted-average rates used are set forth in Note 4, "Retirement and Post-Retirement Benefit Plans."

The discount rate assumption is based on current investment yields of high-quality fixed-income securities with maturities similar to the expected benefits payment period. Mortality rates help predict the expected life of plan participants and are based on a historical demographic study of the plan. The expected increase in the compensation levels assumption reflects long-term actual experience and future expectations. The expected long-term return on plan assets is determined based on asset allocations, historical portfolio results, historical asset correlations and management's expected returns for each asset class. In any fiscal year, significant differences may arise between the actual return and the expected long-term return on plan assets. Historically,

The Company generally amortizes unrecognized actuarial gains and losses on a straight-line basis over the average remaining estimated service life or, in the case of closed plans, life expectancy of participants. In limited cases, actuarial gains and losses are amortized using the corridor approach. Advertising	Costs to produce advertising are expensed as incurred during production. Costs to communicate advertising are expensed when the advertising is first run. Advertising expense totaled approximately \$117 million, \$173 million, and \$179 million in fiscal 2024, 2023, and 2022, respectively.
Restructuring	The Company's transformation programs include charges to approved restructuring plans. Restructuring charges include severance costs to eliminate a specified number of employees, infrastructure charges to vacate facilities and consolidate operations, and contract cancellation costs. These restructuring actions require management to estimate the timing and amount of severance and other employee separation costs for workforce reduction and enhanced early retirement programs, the fair value of assets made redundant or obsolete, and the value of lease and contract cancellation and other exit costs. The Company records restructuring charges based on estimated employee terminations and site closure and consolidation plans. The Company accrues for severance and other employee separation costs under these actions when it is probable that benefits will be paid and the amount is reasonably estimable. The rates used in determining severance accruals are based on existing plans, historical experiences and negotiated settlements. For a full description of the Company's restructuring actions, refer to the discussions in Note 3, "Transformation Programs."
Taxes on Earnings	The Company recognizes deferred tax assets and liabilities for the expected tax consequences of temporary differences between the tax bases of assets and liabilities and their reported amounts using enacted tax rates in effect for the year the differences are expected to reverse.
The Company records a valuation allowance to reduce deferred tax assets to the amount that is more likely than not to be realized. In determining the need for a valuation allowance, the Company considers future market growth, forecasted earnings, future sources of taxable income, the mix of earnings in the jurisdictions in which the Company operates, and prudent and feasible tax planning strategies. In the event the Company were to determine that it is more likely than not that the Company will be unable to realize all or part of its deferred tax assets in the future, the Company would increase the valuation allowance and recognize a corresponding charge to earnings in the period in which such a determination was made. Likewise, if the Company later determines that the deferred tax assets are more likely than not to be realized, the Company would reverse the applicable portion of the previously recognized valuation allowance. In order for the Company to realize deferred tax assets, the Company must be able to generate sufficient taxable income, of the appropriate character, in the jurisdictions in which the deferred tax assets are located, prior to their expiration under applicable tax laws.	The Company records accruals for uncertain tax positions when the Company believes that it is not more likely than not that the tax position will be sustained on examination by the taxing authorities based on the technical merits of the position. The provision for income taxes includes the effects of adjustments for uncertain tax positions as well as any related interest and penalties. The Company recognizes interest income from favorable settlements and interest expense and penalties accrued on unrecognized tax benefits in Provision

for taxes in the Consolidated Statements of Earnings.

The Company is subject to the Global Intangible Low Taxed Income ("GILTI") tax in the U.S. The Company elected to treat taxes on future GILTI inclusions in U.S. taxable income as a current period expense when incurred.

Allowance for Doubtful Accounts

Accounts Receivable

The allowance for expected credit losses related to accounts receivable is comprised of a general reserve and a specific reserve. The Company may record a specific reserve for individual accounts when the Company becomes aware of specific customer circumstances, such as in the case of a bankruptcy filing or deterioration in the customer's operating results or financial position. If there are additional changes in circumstances related to the specific customer, the Company further adjusts estimates of the recoverability of receivables. The Company maintains an allowance for credit losses for all other customers based on a variety of factors, including the financial condition of customers and the length of time receivables are past due. These qualitative factors are subjective and require a degree of management judgment. The past due or delinquency status of a receivable is based on the contractual payment terms of the receivable. The Company establishes an allowance for expected credit losses related to accounts receivable, including unbilled receivables.

Financing Receivable

The allowance for expected credit losses related to financing receivables is comprised of a general reserve and a specific reserve. The Company establishes a specific reserve for financing receivables with identified exposures, such as customer defaults, bankruptcy or other events, that make it unlikely the Company will recover its investment. For individually evaluated receivables, the Company determines the expected cash flow for the receivable, which includes consideration of estimated proceeds from disposition of the collateral and calculates an estimate of the potential loss and the probability of loss. For those accounts where a loss is considered probable, the Company records a specific reserve. The Company maintains a general reserve using a credit loss model on a regional basis and bases such percentages on several factors, including consideration of historical credit losses and portfolio delinquencies, trends in the overall weighted-average risk rating of the portfolio, current economic conditions, and forward-looking information, including reasonable and supportable forecasts. The Company excludes accounts evaluated as part of the specific reserve from the general reserve analysis. The Company generally writes off a receivable or records a specific reserve when a receivable becomes 180 days past due, or sooner if the Company determines that the receivable is not collectible.

Non-Accrual and Past-Due Financing Receivables

The Company considers a financing receivable to be past due when the minimum payment is not received by the contractually specified due date. The Company generally places financing receivables on non-accrual status, which is the suspension of interest accrual, and considers such receivables to be non-performing at the earlier of the time at which full payment of principal and interest becomes doubtful or the receivable becomes 90 days past due. Subsequently, the Company may recognize revenue on non-accrual financing receivables as payments are received, which is on a cash basis, if the Company deems the recorded financing receivable to be fully collectible; however, if there is doubt regarding the ultimate collectability of the recorded financing receivable, all cash receipts are applied to the carrying amount of the financing receivable, which is the cost recovery method. In certain circumstances, such as when the Company deems a delinquency to be of an administrative nature, financing receivables may accrue interest after becoming 90 days past due. The non-accrual status of a financing receivable may not impact a customer's risk rating. After all of a customer's delinquent principal and interest balances are settled, the Company may return the related financing receivable to accrual status.

Concentrations of Risk

Financial instruments that potentially subject the Company to significant concentrations of credit risk consist principally of cash, cash equivalents and restricted cash, investments, receivables from trade customers and contract manufacturers, financing receivables and derivatives.

The Company maintains cash, cash equivalents and restricted cash, investments, derivatives, and certain other financial instruments with various financial institutions. These financial institutions are located in many different geographic regions, and the Company's policy is designed to limit exposure from any particular institution. As part of its risk management processes, the Company performs periodic evaluations of the relative credit standing of these financial institutions. The Company has not sustained material credit losses from instruments held at these financial institutions. The Company utilizes derivative contracts to protect against the effects of foreign currency and interest rate exposures. Such contracts involve the risk of non-performance by the counterparty, which could result in a material loss. For more details on the collateral program, see Note 13, "Financial Instruments."

Credit risk with respect to accounts receivable from trade customers and financing receivables is generally diversified due to the large number of entities comprising the Company's customer base and their dispersion across many different industries and geographic regions. The Company performs ongoing credit evaluations of the financial condition of its customers and may require collateral, such as letters of credit and bank guarantees, in certain circumstances. As of October 31, 2024 and 2023 no single customer accounted for more than 10% of the Company's receivable from trade customers and financing receivables.

Restricted Cash

Restricted cash is included within Other current assets in the accompanying Consolidated Balance Sheets and is primarily related to cash received under the Company's collateral securities agreements for its derivative instruments and cash restricted under the fixed-term securitization program for the issuance of asset-backed debt securities.

Inventory

The Company values inventory at the lower of cost or net realizable value. Cost is computed using standard cost which approximates actual cost on a first-in, first-out basis. At each reporting period, the Company assesses the value of its inventory and writes down the cost of inventory to its net realizable value if required, for estimated excess or obsolescence. Factors influencing these adjustments include changes in future demand forecasts, market conditions, technological changes, product life-cycle and development plans, component cost trends, product pricing, physical deterioration, and quality issues. If in any period the Company anticipates a change in those factors to be less favorable than its previous estimates, additional inventory write-downs may be required and could materially impact gross margin. The write down for excess or obsolescence is charged to the provision of inventory, which is a component of Cost of Products and Cost of Services in the Consolidated Statements of Earnings. At the point of the loss recognition, a new, lower cost basis for that inventory is established, and subsequent changes in facts and circumstances do not result in the restoration or increase in that newly established cost basis.

Property, Plant and Equipment, net

The Company states property, plant and equipment at cost less accumulated depreciation. The Company capitalizes additions and improvements and expenses maintenance and repairs as incurred. Depreciation expense is recognized on a straight-line basis over the estimated useful lives of the assets. Estimated useful lives are five to 40 years for buildings and improvements and three to 15 years for machinery and equipment. The Company depreciates leasehold improvements over the life of the lease or the asset, whichever is shorter. The Company depreciates equipment held for lease over the initial term of the lease to the equipment's estimated residual value. The estimated useful lives of assets used solely to support a customer services contract generally do not exceed the term of the customer contract. On retirement or disposition, the asset cost and related

accumulated depreciation are removed from the Consolidated Balance Sheets with any gain or loss recognized in the Consolidated Statements of Earnings.

The Company capitalizes certain internal and external costs incurred to acquire or create internal use software, principally related to software coding, designing system interfaces and installation and testing of the software. The Company amortizes capitalized internal use software costs using the straight-line method over the estimated useful lives of the software, generally from three to five years.

Leases

Lessee Accounting

The Company enters into various leases as a lessee for assets including office buildings, data centers, vehicles, and aviation. The Company determines if an arrangement is a lease at inception. An arrangement contains a lease when the arrangement conveys the right to control the use of an identified asset over the lease term. Upon lease commencement, the Company records a lease liability for the obligation to make lease payments and right-of-use ("ROU") asset for the right to use the underlying asset for the lease term in the Consolidated Balance Sheets. The lease liability is measured at commencement date based on the present value of lease payments not yet paid over the lease term and the Company's incremental borrowing rate. As most of the Company's leases do not provide an implicit rate, the Company uses an incremental borrowing rate which approximates the rate at which the Company would borrow, on a secured basis, in the country where the lease was executed. The ROU asset is based on the lease liability, adjusted for lease prepayments, lease incentives received, and the lessee's initial direct costs. Fixed payments are included in the recognition of ROU assets and liabilities, while non-lease components, such as maintenance or utility charges are expensed as incurred. The Company has agreements with lease and non-lease components that are accounted for separately and not included in its leased assets and corresponding liabilities for the majority of the Company's lease agreements. The Company allocates consideration to the lease and non-lease components using their relative standalone values. The lease term may include options to extend or to terminate the lease that the Company is reasonably certain to exercise. The Company has elected not to record leases with an initial term of twelve months or less on the Consolidated Balance Sheets.

For finance leases, the ROU asset is amortized on a straight-line basis over the shorter of the useful life of the asset or the lease term. Interest expense on the lease liability is recorded separately using the interest method. For operating leases, lease expense is generally recognized on a straight-line basis over the lease term.

Lessor Accounting

The Company's lease offerings are non-cancelable and the payment schedule primarily consists of fixed payments. Variable payments that are based on an index are included in lease receivables. The Company allocates consideration amongst lease components and non-lease components on a relative standalone selling price basis, when lease arrangements include multiple performance obligations. At the end of the lease term, the Company allows the client to either return the equipment, purchase the equipment or renew the lease based on mutually agreed upon terms.

The Company retains a residual position in equipment through lease and finance agreements which is equivalent to an estimated market value. The residual amount is established prior to lease inception, based upon estimated equipment values at end of lease using product road map trends, historical analysis, future projections and remarketing experience. The Company's residual amounts are evaluated at least annually to assess the appropriateness of the carrying values. Any anticipated declines in specific future residual values that are considered to be other-than-temporary would be recorded in current earnings. The Company is able to optimize the recovery of residual values by selling equipment in place, extending lease arrangements on a fixed term basis, entering into a monthly usage rental term beyond the initial lease term, and selling lease returned equipment in the secondary market. The contractual lease agreement also identifies return conditions that ensures the leased equipment will be in good operating condition upon return minus any normal wear and tear. During the

residual review process, product changes, product updates, as well as market conditions are reviewed and adjustments if other than temporary are made to residual values in accordance with the impact of any such changes. The remarketing sales organization closely manages the sale of equipment lease returns to optimize the recovery of outstanding residual by product.

Business Combinations

The Company includes the results of operations of acquired businesses in the Company's consolidated results prospectively from the date of acquisition. The Company allocates the fair value of purchase consideration to the assets acquired including in-process research and development ("IPR&D"), liabilities assumed, and non-controlling interests in the acquired entity based on their fair values at the acquisition date. IPR&D is initially capitalized at fair value as an intangible asset with an indefinite life and assessed for impairment thereafter. The excess of the fair value of purchase consideration over the fair value of the assets acquired, liabilities assumed and non-controlling interests in the acquired entity is recorded as goodwill. The primary items that generate goodwill include the value of the synergies between the acquired company and the Company and the value of the acquired assembled workforce, neither of which qualifies for recognition as an intangible asset. Acquisition-related expenses and post-acquisition restructuring costs are recognized separately from the business combination and are expensed as incurred.

Goodwill

The Company reviews goodwill for impairment annually and whenever events or changes in circumstances indicate the carrying amount of goodwill may not be recoverable. In evaluating goodwill for impairment, the Company has the option to first perform a qualitative test to determine whether further impairment testing is necessary or to perform a qualitative assessment by comparing the fair value of the reporting unit to its carrying amount. Under the qualitative assessment, the Company is not required to calculate the fair value of a reporting unit unless it determines that it is more likely than not that the fair value of a reporting unit is less than its carrying amount. Qualitative factors include, but are not limited to, the macroeconomic and industry environment as well as Company-specific factors. The Company elects to perform a quantitative test for all of its reporting units as part of its annual goodwill impairment assessment in the fourth quarter of each fiscal year.

In the quantitative assessment, the Company estimates the fair value of its reporting units using a weighting of fair values derived most significantly from the income approach, and to a lesser extent, the market approach. Under the income approach, the Company estimates the fair value of a reporting unit based on the present value of estimated future cash flows covering discrete forecast periods as well as terminal value determinations. The Company prepares cash flow projections based on management's estimates of revenue growth rates and operating margins, taking into consideration industry and market conditions. The Company bases the discount rate on the weighted-average cost of capital adjusted for the relevant risk associated with business-specific characteristics and the uncertainty related to the reporting unit's ability to execute on the projected cash flows. Under the market approach, the Company estimates fair value based on market multiples of revenue and earnings derived from comparable publicly traded companies with similar operating and investment characteristics as the reporting unit. The Company weights the fair value derived from the market approach commensurate with the level of comparability of these publicly traded companies to the reporting unit. When market comparables are not meaningful or not available, the Company estimates the fair value of a reporting unit using only the income approach.

If the fair value of a reporting unit exceeds the carrying amount of the net assets assigned to that reporting unit, goodwill is not impaired and no further testing is required. If the fair value of the reporting unit is less than its carrying amount, goodwill is impaired. The goodwill impairment loss is measured as the excess of the reporting unit's carrying value over its fair value (not to exceed the total goodwill allocated to that reporting unit).

Intangible Assets and Long-Lived Assets

The Company reviews intangible assets with finite lives, long-lived assets and ROU assets for impairment whenever events or changes in circumstances indicate the carrying amount

of an asset may not be recoverable. For lease assets such circumstances would include a decision to abandon the use of all or part of an asset, or subleases that do not fully recover the costs of the associated lease. The Company assesses the recoverability of assets based on the estimated undiscounted future cash flows expected to result from the use and eventual disposition of the asset. If the undiscounted future cash flows are less than the carrying amount, the asset is impaired. The Company measures the amount of impairment loss, if any, as the difference between the carrying amount of the asset and its fair value using an income approach or, when available and appropriate, using a market approach. The Company amortizes intangible assets with finite lives using the straight-line method over the estimated economic lives of the assets, ranging from one to ten years. Intangible assets purchased as part of an acquisition are included in Intangible assets, net in the Consolidated Balance Sheets. All other separately purchased intangible assets are included in Long-term financing receivables and other assets in the Consolidated Balance Sheets.

Software development costs related to the development of new product offerings are capitalized subsequent to the establishment of technological feasibility, which is demonstrated by the completion of a detail program design or working model.

Software development costs are included in Intangible assets, net in the Consolidated Balance Sheets. The Company amortizes capitalized costs on a straight-line basis over the estimated useful life of products, which is generally three years.

Equity Method Investments

Investments and ownership interests are accounted for under equity method accounting if the Company has the ability to exercise significant influence, but does not have a controlling financial interest. The Company records its interest in the net earnings of its equity method investees, along with adjustments for unrealized profits or losses on intra-entity transactions and amortization of basis differences, within Earnings from equity interests in the Consolidated Statements of Earnings. Profits or losses related to intra-entity sales with its equity method investees are eliminated until realized by the investor or investee. Basis differences represent differences between the cost of the investment and the underlying equity in net assets of the investment and are generally amortized over the lives of the related assets that gave rise to them. Equity method goodwill is not amortized or tested for impairment; instead the equity method investment is tested for impairment. The Company records its interest in the net earnings of its equity method investments based on the most recently available financial statements of the investees.

The carrying amount of the investment in equity interests is adjusted to reflect the Company's interest in net earnings, dividends received and other than temporary impairments. The Company reviews for impairment whenever factors indicate that the carrying amount of the investment might not be recoverable. In such a case, the decrease in value is recognized in the period the impairment occurs in the Consolidated Statements of Earnings.

Equity Securities Investments

Equity securities investments with readily determinable fair values (other than those accounted for under the equity method or those that result in consolidation of the investee) are measured at fair value and any changes in fair value are recognized in Interest and other, net in the Consolidated Statements of Earnings. For equity investments without readily determinable fair values, the Company may elect to apply the measurement alternative or the fair value option. Under the measurement alternative investments are measured at cost, less impairment, and adjusted for qualifying observable price changes on a prospective basis. The Company reviews for impairment at each reporting period, assessing factors such as deterioration of earnings, adverse change in market/industry conditions, the ability to operate as a going concern, and other factors which indicate that the carrying amount of the investment might not be recoverable. In such a case, the decrease in value is recognized in the period the impairment occurs in the Consolidated Statements of Earnings. The Company elects the fair value option when it believes that it best reflects the underlying economics of the investment. These investments may be valued using third-party pricing services at each reporting date with changes in fair value recorded as a component of Interest and other, net in the Consolidated Statements of Earnings.

Debt Securities Investments

Debt securities are generally considered available-for-sale and are reported at fair value with unrealized gains and losses, net of applicable taxes, recorded in Accumulated other comprehensive loss in the Consolidated Balance Sheets. Realized gains and losses for available-for-sale securities are calculated based on the specific identification method and included in Interest and other, net in the Consolidated Statements of Earnings. The Company monitors its investment portfolio for potential impairment on a quarterly basis. When the carrying amount of an investment in debt securities exceeds its fair value and the decline in value is determined to be due to credit-related factors, the Company recognizes the impairment using an allowance for credit loss in

Interest and other, net, in the Consolidated Statements of Earnings, while the impairment that is not credit related is recorded in Accumulated other comprehensive loss in the Consolidated Balance Sheets.

Derivatives

The Company uses derivative financial instruments, primarily forwards, swaps, and, at times, options, to manage a variety of risks, including risks related to foreign currency and interest rate exposures. The Company does not use derivative financial instruments for speculative purposes.

The Company receives fair value to sell an asset or pay to transfer a liability in an orderly transaction between market participants at the measurement date. When prices in active markets are not available for an identical asset or liability, the Company generally uses industry standard valuation models to measure the fair value of derivative positions. Such measurements involve projecting future cash flows and discounting the future amounts to present value using market based observable inputs, including interest rate curves, Company and counterparty credit risk, foreign currency exchange rates, and forward and spot prices. In the absence of such data, the Company will use internal information that is consistent with what market participants would use in a hypothetical transaction that occurs at the measurement date. The determination of fair value often involves significant judgments about assumptions such as determining an appropriate discount rate that factors in both risk and liquidity premiums, identifying the similarities and differences in market transactions, weighting those differences accordingly and then making the appropriate adjustments to those market transactions to reflect the risks specific to the asset or liability being valued.

For a further discussion of fair value measurements and derivative instruments, refer to Note 12, "Fair Value" and Note 13, "Financial Instruments," respectively.

Contingencies

The Company is involved in various lawsuits, claims, investigations, and proceedings that arise in the ordinary course of business. The Company records a liability for contingencies when it believes it is both probable that a liability has been incurred and the amount of the loss can be reasonably estimated. The Company does not record gain contingencies until realized. See Note 17, "Litigation, Contingencies, and Commitments," for a full description of the Company's contingencies.

Warranties

The Company accrues the estimated cost of product warranties at the time of recognizing revenue. The Company's standard product warranty terms generally include post-sales support and repairs or replacement of a product at no additional charge for a specified period of time. The Company engages in extensive product quality programs and processes, including actively monitoring and evaluating the quality of its component suppliers. The estimated warranty obligation is based on contractual warranty terms, repair costs, product call rates, average cost per call, current period product shipments and ongoing product failure rates, as well as specific product class failure outside of the Company's baseline experience. Warranty terms generally range from

584" to five years for parts and labor, depending upon the product. For certain networking products, the Company offers a lifetime warranty. Over the last three fiscal years, the annual warranty expense has averaged approximately 1.1% of annual net product revenue. Refer to Note 7, "Balance Sheet Details," for additional information.

Recently Enacted Accounting Pronouncements

In November 2024, the FASB issued guidance to provide disaggregated expense disclosures in the Consolidated Financial Statements. The Company is required to adopt the guidance for its annual period ending October 31, 2028 and all interim periods thereafter, though early adoption is permitted. The Company is currently evaluating the impact of this amendment on its Consolidated Financial Statements.

In December 2023, the FASB issued guidance to provide disaggregated income tax disclosures on the rate reconciliation and income taxes paid. The Company is required to adopt the guidance in the first quarter of fiscal 2026, though early adoption is permitted. The Company is currently evaluating the impact of this amendment on its Consolidated Financial Statements.

In November 2023, the FASB issued guidance to improve the disclosures about a public entity's reportable segments and address requests from investors for additional, more detailed information about a reportable segment's expenses. The Company will adopt this guidance for its annual period ending October 31, 2025 and all interim periods thereafter. The Company does not expect the adoption of this guidance to have a significant impact on its Consolidated Financial Statements.

Basis of Presentation and Principles of Consolidation

The Consolidated Financial Statements are prepared in accordance with U.S. generally accepted accounting principles ("GAAP").

The accompanying Consolidated Financial Statements include the accounts of the Company and its subsidiaries and affiliates in which the Company has a controlling financial interest or is the primary beneficiary. All intercompany transactions and accounts within the consolidated businesses of the Company have been eliminated.

The Company consolidates a Variable Interest Entity ("VIE") where it has been determined that the Company is the primary beneficiary of the entity's operation. The primary beneficiary is the party that has both the power to direct the activities that most significantly impact the VIE's economic performance and the obligation to absorb losses or the right to receive benefits of the VIE that could potentially be significant to the VIE. In evaluating whether the Company is the primary beneficiary, the Company evaluates its power to direct the most significant activities of the VIE by considering the purpose and design of the entity and the risks the entity was designed to create and pass through to its variable interest holders. The Company also evaluates its economic interests in the VIE.

The Company accounts for investments in companies over which it has the ability to exercise significant influence but does not hold a controlling interest under the equity method of accounting, and the Company records its proportionate share of income or losses in Earnings from equity interests in the Consolidated Statements of Earnings.

Non-controlling interests are presented as a separate component within Total stockholders' equity in the Consolidated Balance Sheets. Net earnings attributable to non-controlling interests are recorded within Interest and other, net in the Consolidated Statements of Earnings and are not presented separately, as they were not material for any periods presented.

Segment Realignment

size:10pt;font-weight:400;line-height:120%">Effective as of the beginning of fiscal 2024, in order to align the segment financial reporting more closely with its business structure, the Company established two new reportable segments, Hybrid Cloud and Server. Hybrid Cloud includes the historical Storage segment, HPE GreenLake Flex Solutions (which provides flexible as-a-service (“aaS”) IT infrastructure through the HPE GreenLake cloud and was previously reported under the Compute and the High Performance Computing & Artificial Intelligence (“HPC & AI”) segments), Private Cloud, and Software (previously reported under the Corporate Investments and Other segment). The Server segment combines the previously separately reported Compute and HPC & AI segments, with adjustments for certain product lines that are now reported in Hybrid Cloud. Additionally, certain products and services previously reported in the financial results for the HPC & AI segment were moved to be reported in the Hybrid Cloud segment, and the Athonet business and certain components of the Communications and Media Solutions (“CMS”) business, both previously reported in the financial results for Corporate Investments and Other, moved to be reported in the Intelligent Edge segment.

As a result, the Company’s organizational structure for fiscal 2024 consisted of the following segments: (i) Server; (ii) Hybrid Cloud; (iii) Intelligent Edge; (iv) Financial Services; and (v) Corporate Investments and Other. The Company began reporting under this re-aligned segment structure beginning with the results of the first quarter of fiscal 2024 included in the Quarterly Report on Form 10-Q for the fiscal quarter ended January 31, 2024.

These changes had no impact on Hewlett Packard Enterprise’s previously reported consolidated net revenue, net earnings, net earnings per share (“EPS”) or total assets.

Segment Policy

Hewlett Packard Enterprise derives the results of its business segments directly from its internal management reporting system. The accounting policies that Hewlett Packard Enterprise uses to derive segment results are substantially the same as those the consolidated company uses. The CODM measures the performance of each segment based on several metrics, including earnings from operations. The CODM uses these results, in part, to evaluate the performance of, and to allocate resources to each of the segments.

Segment revenue includes revenues from sales to external customers and intersegment revenues that reflect transactions between the segments on an arm’s-length basis. Intersegment revenues primarily consist of sales of hardware and software that are sourced internally and, in the majority of the cases, are financed as operating leases by FS to the Company’s customers. Hewlett Packard Enterprise’s consolidated net revenue is derived and reported after the elimination of intersegment revenues from such arrangements.

Financing cost in the Consolidated Statements of Earnings reflects interest expense on borrowing and funding-related activity associated with FS and its subsidiaries, and debt issued by Hewlett Packard Enterprise for which a portion of the proceeds benefited FS.

Hewlett Packard Enterprise does not allocate to its segments certain operating expenses, which it manages at the corporate level. These unallocated operating costs include certain corporate costs and eliminations, stock-based compensation expense, amortization of intangible assets, impairment of goodwill, transformation costs, disaster recovery/charges, divestiture related exit costs, and acquisition, disposition and other related charges. Total assets by segment are not presented as that information is not used to allocate resources or assess performance at the segment level and is not reviewed by the CODM.

2161000000990000001200000050000000

Use of Estimates

The preparation of financial statements requires management to make estimates, judgments and assumptions that affect the amounts reported in the Consolidated Financial Statements and accompanying notes. Estimates are assessed each period and updated to reflect current information, including those related to revenue recognition, stock-based compensation, net periodic benefit costs, restructuring accruals, provision for taxes, valuation allowance for deferred taxes, provision for expected credit losses, inventory reserves, and impairment assessments of goodwill, intangible assets and other long-lived assets. The Company believes that these estimates,

judgments and assumptions are reasonable under the circumstances, and are subject to significant uncertainties, some of which are beyond the Company's control. Should any of these estimates change, it could adversely affect the Company's results of operations. Actual results could differ materially from these estimates under different assumptions or conditions.

Foreign Currency Translation

The Company predominately uses the U.S. dollar as its functional currency. Assets and liabilities denominated in non-U.S. currencies are remeasured into U.S. dollars at current exchange rates for monetary assets and liabilities and at historical exchange rates for non-monetary assets and liabilities. Net revenue, costs and expenses denominated in non-U.S. currencies are recorded in U.S. dollars at the average rates of exchange prevailing during the period. The Company includes gains or losses from foreign currency remeasurement in Interest and other, net in the Consolidated Statements of Earnings and gains and losses from cash flow hedges in Net revenue as the hedged revenue is recognized. Certain non-U.S. subsidiaries designate the local currency as their functional currency, and the Company records the translation of their assets and liabilities into U.S. dollars at the balance sheet date as translation adjustments and includes them as a component of Accumulated other comprehensive loss in the Consolidated Balance Sheets.

Revenue Recognition

The Company accounts for a contract with a customer when both parties have provided written approval and are committed to perform, each party's rights including payment terms are identified, the contract has commercial substance, and collection of consideration is probable.

The Company enters into contracts with customers that typically include combinations of products and services, resulting in arrangements containing multiple performance obligations for hardware and software products and/or various services. The Company determines whether each product or service is distinct in order to identify the performance obligations in the contract and allocate the contract transaction price among the distinct performance obligations. Arrangements are distinct based on whether the customer can benefit from the product or service on its own or together with other resources that are readily available and whether the commitment to transfer the product or service to the customer is separately identifiable from other obligations in the contract. The Company classifies its hardware, perpetual software licenses, service arrangements and software-as-a-service ("SaaS") as distinct performance obligations. Term software licenses represent multiple obligations, which include software licenses and software maintenance. In transactions where the Company delivers hardware or software, it is typically the principal and records revenue and costs of goods sold on a gross basis.

The majority of the Company's revenue is derived from sales of products and services and the associated support and maintenance, and such revenue is recognized when, or as, control of promised products or services is transferred to the customer, in an amount that reflects the consideration to which the Company expects to be entitled, in exchange for those products or services. Variable consideration offered in contracts with customers, partners and distributors may include rebates, volume-based discounts, price protection, and other incentive programs. Variable consideration is estimated at contract inception and updated at the end of each reporting period as additional information becomes available and recognized only to the extent that it is probable that a significant reversal of revenue will not occur.

Transfer of control occurs once the customer has the contractual right to use the product, generally upon delivery once title and risk of loss has transferred to the customer. Transfer of control can also occur over time for maintenance and services as the customer receives the benefit over the contract term. The Company's hardware and perpetual software licenses are distinct performance obligations where revenue is recognized upfront upon transfer of control. Term software licenses include multiple performance obligations where the term licenses are recognized upfront upon transfer of control, with the associated software maintenance revenue recognized ratably over the contract term as services and software updates are provided. SaaS arrangements have one distinct performance obligation which is satisfied over time with revenue recognized ratably over the contract term as the customer consumes the services. On its product sales, the Company records consideration from shipping and handling on a gross basis within net product sales. Revenue is recorded net of any associated sales taxes.

The Company allocates the transaction price for the contract among the performance obligations on a relative standalone selling price basis ("SSP"). For products and services sold as a bundle, the SSP is generally not directly observable and requires the Company to estimate SSP based on management judgment by considering available data such as internal margin objectives, pricing strategies, market/competitive conditions, historical profitability data, as well as other observable inputs. For certain products and services, the Company establishes SSP based on the observable price when sold separately in similar circumstances to similar customers. The Company establishes SSP ranges for its products and services and reassesses them periodically.

Judgment is applied in determining the transaction price as the Company may be required to estimate variable consideration when determining the amount of revenue to recognize. Variable consideration may include various rebates, volume-based discounts, price protection, and other incentive programs that are offered to customers, partners and distributors. When determining the amount of revenue to recognize, the Company estimates the expected usage of these programs, applying the expected value or most likely estimate and updates the estimate at each reporting period as actual utilization becomes available. The Company also considers the customers' right of return in determining the transaction price, where applicable.

Contract Balances

Accounts receivable and contract assets

A receivable is a right to consideration in exchange for products or services the Company has transferred to a customer that is unconditional. A contract asset is a right to consideration in exchange for products or services transferred to a customer that is conditional on something other than the passage of time. A receivable is recorded when the right to consideration becomes unconditional.

The Company's contract assets include unbilled receivables which are recorded when the Company recognizes revenue in advance of billings. Unbilled receivables generally relate to services contracts where a service has been performed and control has transferred, but invoicing to the customer is subject to future milestone billings or other contractual payment schedules. The Company classifies unbilled receivables as Accounts receivable.

Contract liabilities

A contract liability is an obligation to transfer products or services to a customer for which the Company has received consideration, or the amount is due, from the customer. The Company's contract liabilities primarily consist of deferred revenue and customer deposits. Deferred revenue is recorded when amounts invoiced to customers are in excess of revenue that can be recognized because performance obligations have not been satisfied and control of the promised products or services has not transferred to the customer. Deferred revenue largely represents amounts invoiced in advance for product (hardware/software) support contracts, consulting projects and product sales where revenue cannot be recognized yet. Customer deposits largely represent payments received from customers in advance of the Company's completion of its contractual obligations. As customer acceptance milestones are met, the Company will recognize revenue and reduce the amount of contract liabilities.

Costs to obtain a contract with a customer

The Company capitalizes the incremental costs of obtaining a contract with a customer, primarily sales commissions, if the Company expects to recover those costs. The Company has elected, as a practical expedient, to expense the costs of obtaining a contract as incurred for contracts with terms of one year or less. The typical amortization periods used range from two to five years. The Company periodically reviews the capitalized sales commission costs for possible impairment losses. The amortization of capitalized costs to obtain a contract are included in Selling, general and administrative expense. Refer to Note 7, "Balance Sheet Details" for additional information.

Shipping and Handling

The Company includes costs related to shipping and handling in Cost of products.

Stock-Based Compensation

Stock-based compensation expense is based on the measurement date fair value of the award and is recognized only for those awards expected to meet the service and performance vesting conditions. Stock-based compensation expense for stock options and restricted stock units with only a service condition is recognized on a straight-line basis over the requisite service period of the award. For stock options and restricted stock units with both a service condition and a performance or market condition, the expense is recognized on a graded vesting basis over the requisite service period of the award. Stock-based compensation expense is determined at the aggregate grant level for service-based awards and at the individual vesting tranche level for awards with performance and/or market conditions. The forfeiture rate is estimated based on historical experience.

Stock Options

Stock options granted under the Plan are generally non-qualified stock options, but the Plan permits some options granted to qualify as incentive stock options under the U.S. Internal Revenue Code. The exercise price of a stock option is equal to the closing price of the Company's common stock on the option grant date. The majority of the stock options issued by the Company contain only service vesting conditions. The Company has also issued performance-contingent stock options that vest only on the satisfaction of both service and market conditions. The Company did not issue stock options in fiscal 2024, 2023, and 2022. The expenses associated with stock options were not material for any of the periods presented.

The Company utilizes the Black-Scholes-Merton option pricing formula to estimate the fair value of stock options subject to service-based vesting conditions. The Company estimates the fair value of stock options subject to performance-contingent vesting conditions using a combination of a Monte Carlo simulation model and a lattice model, as these awards contain market conditions.

Retirement and Post-Retirement Plans

The Company has various defined benefit, other contributory and noncontributory, retirement and post-retirement plans. The costs and obligations for these plans depend on various assumptions. Major assumptions relate primarily to discount rates, mortality rates, expected increases in compensation levels and the expected long-term return on plan assets. These assumptions vary by plan, and the weighted-average rates used are set forth in Note 4, "Retirement and Post-Retirement Benefit Plans."

The discount rate assumption is based on current investment yields of high-quality fixed-income securities with maturities similar to the expected benefits payment period. Mortality rates help predict the expected life of plan participants and are based on a historical demographic study of the plan. The expected increase in the compensation levels assumption reflects long-term actual experience and future expectations. The expected long-term return on plan assets is determined based on asset allocations, historical portfolio results, historical asset correlations and management's expected returns for each asset class. In any fiscal year, significant differences may arise between the actual return and the expected long-term return on plan assets. Historically, differences between the actual return and expected long-term return on plan assets have resulted from changes in target or actual asset allocation, short-term performance relative to expected long-term performance, and to a lesser extent, differences between target and actual investment allocations, the timing of benefit payments compared to expectations, and the use of derivatives intended to effect asset allocation changes or hedge certain investment or liability exposures.

The following table provides the impact changes in the weighted-average assumptions of discount rates, the expected increase in compensation levels and the expected long-term return on plan assets would have had on the net periodic benefit cost for fiscal 2024:

	Change in basis	
	Change in Net Periodic Benefit Cost	
In millions	Assumptions:	
(25)	\$	17
Expected increase in compensation levels	Expected long-term return on plan assets	(25)
25	\$	25

The Company generally amortizes unrecognized actuarial gains and losses on a straight-line basis over the average remaining estimated service life or, in the case of closed plans, life expectancy of participants. In limited cases, actuarial gains and losses are amortized using the corridor approach.

The following table provides the impact changes in the weighted-average assumptions of discount rates, the expected increase in compensation levels and the expected long-term return on plan assets would have had on the net periodic benefit cost for fiscal 2024:

[illegible]

[illegible]

1.3		
%		
6.5		
%		
6.0		
%		
3.0		
%		
Discount rate used to determine service cost		
4.7		
4.2		
%		
1.7		
%		
6.1		
%		
5.7		
%		
2.7		
%		

Discount rate used to determine interest cost	
4.4	%
3.9	%
1.1	%
6.4	%
5.9	%
2.6	%
Expected increase in compensation levels	
2.9	%
3.0	%
2.6	%
—	%

Expected long-term return on plan assets		
5.5	5.1	5.3
3.2	3.3	3.3
2.4	2.4	2.5

5.3

4.3

2.7

(1)

The average assumed interest credited for HPE's cash balance plans and post-retirement plans, as applicable.

0.0025170000000.00253000000-0.00252500000

Advertising

Costs to produce advertising are expensed as incurred during production. Costs to communicate advertising are expensed when the advertising is first run. Advertising expense totaled approximately \$117 million, \$173 million, and \$179 million in fiscal 2024, 2023, and 2022, respectively.

117000000173000000179000000

Restructuring

The Company's transformation programs include charges to approved restructuring plans. Restructuring charges include severance costs to eliminate a specified number of employees; infrastructure charges to vacate facilities and consolidate operations, and contract cancellation costs. These restructuring actions require management to estimate the timing and amount of severance and other employee separation costs for workforce reduction and enhanced early retirement programs, the fair value of assets made redundant or obsolete, and the value of lease and contract cancellation and other exit costs. The Company records restructuring charges based on estimated employee terminations and site closure and consolidation plans. The Company accrues for severance and other employee separation costs under these actions when it is probable that benefits will be paid and the amount is reasonably estimable. The rates used in determining severance accruals are based on existing plans, historical experiences and negotiated settlements. For a full description of the Company's restructuring actions, refer to the discussions in Note 3, "Transformation Programs."

Taxes on Earnings

The Company recognizes deferred tax assets and liabilities for the expected tax consequences of temporary differences between the tax bases of assets and liabilities and their reported amounts using enacted tax rates in effect for the year the differences are expected to reverse.

The Company records a valuation allowance to reduce deferred tax assets to the amount that is more likely than not to be realized. In determining the need for a valuation allowance, the Company considers future market growth, forecasted earnings, future sources of taxable income, the mix of earnings in the jurisdictions in which the Company operates, and prudent and feasible tax planning strategies. In the event the Company were to determine that it is more likely than not that the Company will be unable to realize all or part of its

deferred tax assets in the future, the Company would increase the valuation allowance and recognize a corresponding charge to earnings in the period in which such a determination was made. Likewise, if the Company later determines that the deferred tax assets are more likely than not to be realized, the Company would reverse the applicable portion of the previously recognized valuation allowance. In order for the Company to realize deferred tax assets, the Company must be able to generate sufficient taxable income, of the appropriate character, in the jurisdictions in which the deferred tax assets are located, prior to their expiration under applicable tax laws.

The Company records accruals for uncertain tax positions when the Company believes that it is not more likely than not that the tax position will be sustained on examination by the taxing authorities based on the technical merits of the position. The provision for income taxes includes the effects of adjustments for uncertain tax positions as well as any related interest and penalties. The Company recognizes interest income from favorable settlements and interest expense and penalties accrued on unrecognized tax benefits in Provision for taxes in the Consolidated Statements of Earnings.

The Company is subject to the Global Intangible Low Taxed Income ("GILTI") tax in the U.S. The Company elected to treat taxes on future GILTI inclusions in U.S. taxable income as a current period expense when incurred.

The Company believes it has provided adequate reserves for all tax deficiencies or reductions in tax benefits that could result from federal, state and foreign tax audits. The Company regularly assesses the likely outcomes of these audits in order to determine the appropriateness of the Company's tax provision. The Company adjusts its uncertain tax positions to reflect the impact of negotiations, settlements, rulings, advice of legal counsel, and other information and events pertaining to a particular audit. However, income tax audits are inherently unpredictable and there can be no assurance that the Company will accurately predict the outcome of these audits. The amounts ultimately paid on resolution of an audit could be materially different from the amounts previously included in the Provision for taxes and therefore the resolution of one or more of these uncertainties in any particular period could have a material impact on net earnings or cash flows.

The Company has not provided for U.S. federal and state income and foreign withholding taxes on \$9.3 billion of undistributed earnings and basis differences from non-U.S. operations as of October 31, 2024 because the Company intends to reinvest such earnings indefinitely outside of the U.S. Determination of the amount of unrecognized deferred tax liability related to these earnings and basis differences is not practicable. The Company will remit non-indefinitely reinvested earnings of its non-U.S. subsidiaries for which deferred U.S. state income and foreign withholding taxes have been provided where excess cash has accumulated and the Company determines that it is advantageous for business operations, tax or cash management reasons.

Deferred Income Taxes

Deferred income taxes result from temporary differences between the amount of assets and liabilities recognized for financial reporting and tax purposes.

Accounts Receivable

The allowance for expected credit losses related to accounts receivable is comprised of a general reserve and a specific reserve. The Company may record a specific reserve for individual accounts when the Company becomes aware of specific customer circumstances, such as in the case of a bankruptcy filing or deterioration in the customer's operating results or financial position. If there are additional changes in circumstances related to the specific customer, the Company further adjusts estimates of the recoverability of receivables. The Company maintains an allowance for credit losses for all other customers based on a variety of factors, including the financial condition of customers and the length of time receivables are past due. These qualitative factors are subjective and require a degree of management judgment. The past due or delinquency status of a receivable is based on the contractual payment terms of the receivable. The Company establishes an allowance for expected credit losses related to accounts receivable, including unbilled receivables.

Financing Receivable

The allowance for expected credit losses related to financing receivables is comprised of a general reserve and a specific reserve. The Company establishes a specific reserve for financing receivables with identified exposures, such as customer defaults, bankruptcy or other events, that make it unlikely the Company will recover its investment. For individually evaluated receivables, the Company determines the expected cash flow for the receivable, which includes consideration of estimated proceeds from disposition of the collateral and calculates an estimate of the potential loss and the probability of loss. For those accounts where a loss is considered probable, the Company records a specific reserve. The Company maintains a general reserve using a credit loss model on a regional basis and bases such percentages on several factors, including consideration of historical credit losses and portfolio delinquencies, trends in the overall weighted-average risk rating of the portfolio, current economic conditions, and forward-looking information, including reasonable and supportable forecasts. The Company excludes accounts evaluated as part of the specific reserve from the general reserve analysis. The Company generally writes off a receivable or records a specific reserve when a receivable becomes 180 days past due, or sooner if the Company determines that the receivable is not collectible.

Non-Accrual and Past-Due Financing Receivables

The Company considers a financing receivable to be past due when the minimum payment is not received by the contractually specified due date. The Company generally places financing receivables on non-accrual status, which is the suspension of interest accrual, and considers such receivables to be non-performing at the earlier of the time at which full payment of principal and interest becomes doubtful or the receivable becomes 90 days past due. Subsequently, the Company may recognize revenue on non-accrual financing receivables as payments are received, which is on a cash basis, if the Company deems the recorded financing receivable to be fully collectible; however, if there is doubt regarding the ultimate collectability of the recorded financing receivable, all cash receipts are applied to the carrying amount of the financing receivable, which is the cost recovery method. In certain circumstances, such as when the Company deems a delinquency to be of an administrative nature, financing receivables may accrue interest after becoming 90 days past due. The non-accrual status of a financing receivable may not impact a customer's risk rating. After all of a customer's delinquent principal and interest balances are settled, the Company may return the related financing receivable to accrual status.

Concentrations of Risk

Financial instruments that potentially subject the Company to significant concentrations of credit risk consist principally of cash, cash equivalents and restricted cash, investments, receivables from trade customers and contract manufacturers, financing receivables and derivatives.

The Company maintains cash, cash equivalents and restricted cash, investments, derivatives, and certain other financial instruments with various financial institutions. These financial institutions are located in many different geographic regions, and the Company's policy is designed to limit exposure from any particular institution. As part of its risk management processes, the Company performs periodic evaluations of the relative credit standing of these financial institutions. The Company has not sustained material credit losses from instruments held at these financial institutions. The Company utilizes derivative contracts to protect against the effects of foreign currency and interest rate exposures. Such contracts involve the risk of non-performance by the counterparty, which could result in a material loss. For more details on the collateral program, see Note 13, "Financial Instruments."

Credit risk with respect to accounts receivable from trade customers and financing receivables is generally diversified due to the large number of entities comprising the Company's customer base and their dispersion across many different industries and geographic regions. The Company performs ongoing credit evaluations of the financial condition of its customers and may require collateral, such as letters of credit and bank guarantees, in certain circumstances. As of October 31, 2024 and 2023 no single customer accounted for more than 10% of the Company's receivable from trade customers and financing receivables.

Restricted Cash

Restricted cash is included within Other current assets in the accompanying Consolidated Balance Sheets and is primarily related to cash received under the Company's collateral securities agreements for its derivative instruments and cash restricted under the fixed-term securitization program for the issuance of asset-backed debt securities.

Inventory

The Company values inventory at the lower of cost or net realizable value. Cost is computed using standard cost which approximates actual cost on a first-in, first-out basis. At each reporting period, the Company assesses the value of its inventory and writes down the cost of inventory to its net realizable value if required, for estimated excess or obsolescence. Factors influencing these adjustments include changes in future demand forecasts, market conditions, technological changes, product life-cycle and development plans, component cost trends, product pricing, physical deterioration, and quality issues. If in any period the Company anticipates a change in those factors to be less favorable than its previous estimates, additional inventory write-downs may be required and could materially impact gross margin. The write down for excess or obsolescence is charged to the provision of inventory, which is a component of Cost of Products and Cost of Services in the Consolidated Statements of Earnings. At the point of the loss recognition, a new, lower cost basis for that inventory is established, and subsequent changes in facts and circumstances do not result in the restoration or increase in that newly established cost basis.

Property, Plant and Equipment, net

The Company states property, plant and equipment at cost less accumulated depreciation. The Company capitalizes additions and improvements and expenses maintenance and repairs as incurred. Depreciation expense is recognized on a straight-line basis over the estimated useful lives of the assets. Estimated useful lives are five to 40 years for buildings and improvements and three to 15 years for machinery and equipment. The Company depreciates leasehold improvements over the life of the lease or the asset, whichever is shorter. The Company depreciates equipment held for lease over the initial term of the lease to the equipment's estimated residual value. The estimated useful lives of assets used solely to support a customer services contract generally do not exceed the term of the customer contract. On retirement or disposition, the asset cost and related accumulated depreciation are removed from the Consolidated Balance Sheets with any gain or loss recognized in the Consolidated Statements of Earnings.

The Company capitalizes certain internal and external costs incurred to acquire or create internal use software, principally related to software coding, designing system interfaces and installation and testing of the software. The Company amortizes capitalized internal use software costs using the straight-line method over the estimated useful lives of the software, generally from three to five years.

P40YP15YP5Y

Lessee Accounting

The Company enters into various leases as a lessee for assets including office buildings, data centers, vehicles, and aviation. The Company determines if an arrangement is a lease at inception. An arrangement contains a lease when the arrangement conveys the right to control the use of an identified asset over the lease term. Upon lease commencement, the Company records a lease liability for the obligation to make lease payments and right-of-use ("ROU") asset for the right to use the underlying asset for the lease term in the Consolidated Balance Sheets. The lease liability is measured at commencement date based on the present value of lease payments not yet paid over the lease term and the Company's incremental borrowing rate. As most of the Company's leases do not provide an implicit rate, the Company uses an incremental borrowing rate which approximates the rate at which the Company would borrow, on a secured basis, in the country where the lease was executed. The ROU asset is based on the lease liability, adjusted for

lease prepayments, lease incentives received, and the lessee's initial direct costs. Fixed payments are included in the recognition of ROU assets and liabilities, while non-lease components, such as maintenance or utility charges are expensed as incurred. The Company has agreements with lease and non-lease components that are accounted for separately and not included in its leased assets and corresponding liabilities for the majority of the Company's lease agreements. The Company allocates consideration to the lease and non-lease components using their relative standalone values. The lease term may include options to extend or to terminate the lease that the Company is reasonably certain to exercise. The Company has elected not to record leases with an initial term of twelve months or less on the Consolidated Balance Sheets.

For finance leases, the ROU asset is amortized on a straight-line basis over the shorter of the useful life of the asset or the lease term. Interest expense on the lease liability is recorded separately using the interest method. For operating leases, lease expense is generally recognized on a straight-line basis over the lease term.

Lessor Accounting

The Company's lease offerings are non-cancelable and the payment schedule primarily consists of fixed payments. Variable payments that are based on an index are included in lease receivables. The Company allocates consideration amongst lease components and non-lease components on a relative standalone selling price basis, when lease arrangements include multiple performance obligations. At the end of the lease term, the Company allows the client to either return the equipment, purchase the equipment or renew the lease based on mutually agreed upon terms.

The Company retains a residual position in equipment through lease and finance agreements which is equivalent to an estimated market value. The residual amount is established prior to lease inception, based upon estimated equipment values at end of lease using product road map trends, historical analysis, future projections and remarketing experience. The Company's residual amounts are evaluated at least annually to assess the appropriateness of the carrying values. Any anticipated declines in specific future residual values that are considered to be other than temporary would be recorded in current earnings. The Company is able to optimize the recovery of residual values by selling equipment in place, extending lease arrangements on a fixed term basis, entering into a monthly usage rental term beyond the initial lease term, and selling lease returned equipment in the secondary market. The contractual lease agreement also identifies return conditions that ensures the leased equipment will be in good operating condition upon return minus any normal wear and tear. During the residual review process, product changes, product updates, as well as market conditions are reviewed and adjustments if other than temporary are made to residual values in accordance with the impact of any such changes. The remarketing sales organization closely manages the sale of equipment lease returns to optimize the recovery of outstanding residual by product.

Business Combinations

The Company includes the results of operations of acquired businesses in the Company's consolidated results prospectively from the date of acquisition. The Company allocates the fair value of purchase consideration to the assets acquired including in-process research and development ("IPR&D"), liabilities assumed, and non-controlling interests in the acquired entity based on their fair values at the acquisition date. IPR&D is initially capitalized at fair value as an intangible asset with an indefinite life and assessed for impairment thereafter. The excess of the fair value of purchase consideration over the fair value of the assets acquired, liabilities assumed and non-controlling interests in the acquired entity is recorded as goodwill. The primary items that generate goodwill include the value of the synergies between the acquired company and the Company and the value of the acquired assembled workforce, neither of which qualifies for recognition as an intangible asset. Acquisition-related expenses and post-acquisition restructuring costs are recognized separately from the business combination and are expensed as incurred.

Goodwill

The Company reviews goodwill for impairment annually and whenever events or changes in circumstances indicate the carrying amount of goodwill may not be recoverable. In evaluating goodwill for impairment, the Company has the option to first perform a qualitative test to determine whether further impairment testing is necessary or to perform a qualitative assessment by comparing the fair value of the reporting unit to its carrying amount. Under the qualitative assessment, the Company is not required to calculate the fair value of a reporting unit unless it determines that it is more likely than not that the fair value of a reporting unit is less than its carrying amount. Qualitative factors include, but are not

limited to, the macroeconomic and industry environment as well as Company-specific factors. The Company elects to perform a quantitative test for all of its reporting units as part of its annual goodwill impairment assessment in the fourth quarter of each fiscal year.

In the quantitative assessment, the Company estimates the fair value of its reporting units using a weighting of fair values derived most significantly from the income approach, and to a lesser extent, the market approach. Under the income approach, the Company estimates the fair value of a reporting unit based on the present value of estimated future cash flows covering discrete forecast periods as well as terminal value determinations. The Company prepares cash flow projections based on management's estimates of revenue growth rates and operating margins, taking into consideration industry and market conditions. The Company bases the discount rate on the weighted-average cost of capital adjusted for the relevant risk associated with business-specific characteristics and the uncertainty related to the reporting unit's ability to execute on the projected cash flows. Under the market approach, the Company estimates fair value based on market multiples of revenue and earnings derived from comparable publicly traded companies with similar operating and investment characteristics as the reporting unit. The Company weights the fair value derived from the market approach commensurate with the level of comparability of these publicly traded companies to the reporting unit. When market comparables are not meaningful or not available, the Company estimates the fair value of a reporting unit using only the income approach.

If the fair value of a reporting unit exceeds the carrying amount of the net assets assigned to that reporting unit, goodwill is not impaired and no further testing is required. If the fair value of the reporting unit is less than its carrying amount, goodwill is impaired. The goodwill impairment loss is measured as the excess of the reporting unit's carrying value over its fair value (not to exceed the total goodwill allocated to that reporting unit).

Intangible Assets and Long-Lived Assets

The Company reviews intangible assets with finite lives, long-lived assets and ROU assets for impairment whenever events or changes in circumstances indicate the carrying amount of an asset may not be recoverable. For lease assets such circumstances would include a decision to abandon the use of all or part of an asset, or subleases that do not fully recover the costs of the associated lease. The Company assesses the recoverability of assets based on the estimated undiscounted future cash flows expected to result from the use and eventual disposition of the asset. If the undiscounted future cash flows are less than the carrying amount, the asset is impaired. The Company measures the amount of impairment loss, if any, as the difference between the carrying amount of the asset and its fair value using an income approach or, when available and appropriate, using a market approach. The Company amortizes intangible assets with finite lives using the straight-line method over the estimated economic lives of the assets, ranging from one to ten years. Intangible assets purchased as part of an acquisition are included in Intangible assets, net in the Consolidated Balance Sheets. All other separately purchased intangible assets are included in Long-term financing receivables and other assets in the Consolidated Balance Sheets.

Software

Software development costs related to the development of new product offerings are capitalized subsequent to the establishment of technological feasibility, which is demonstrated by the completion of a detail program design or working model.

Software development costs are included in Intangible assets, net in the Consolidated Balance Sheets. The Company amortizes capitalized costs on a straight-line basis over the estimated useful life of products, which is generally three years.

Equity Method Investments

Investments and ownership interests are accounted for under equity method accounting if the Company has the ability to exercise significant influence, but does not have a controlling financial interest. The Company records its interest in the net earnings of its equity method investees, along with adjustments for unrealized profits or losses on intra-entity transactions and amortization of basis differences, within Earnings from equity interests in the Consolidated Statements of Earnings. Profits or losses related to intra-entity sales with its equity method investees are eliminated until realized by the investor or investee. Basis differences represent differences between the cost of the investment and the underlying equity in net assets of

the investment and are generally amortized over the lives of the related assets that gave rise to them. Equity method goodwill is not amortized or tested for impairment; instead the equity method investment is tested for impairment. The Company records its interest in the net earnings of its equity method investments based on the most recently available financial statements of the investees.

The carrying amount of the investment in equity interests is adjusted to reflect the Company's interest in net earnings, dividends received and other-than-temporary impairments. The Company reviews for impairment whenever factors indicate that the carrying amount of the investment might not be recoverable. In such a case, the decrease in value is recognized in the period the impairment occurs in the Consolidated Statements of Earnings.

Equity Securities Investments

Equity securities investments with readily determinable fair values (other than those accounted for under the equity method or those that result in consolidation of the investee) are measured at fair value and any changes in fair value are recognized in Interest and other, net in the Consolidated Statements of Earnings. For equity investments without readily determinable fair values, the Company may elect to apply the measurement alternative or the fair value option. Under the measurement alternative investments are measured at cost, less impairment, and adjusted for qualifying observable price changes on a prospective basis. The Company reviews for impairment at each reporting period, assessing factors such as deterioration of earnings, adverse change in market/industry conditions, the ability to operate as a going concern, and other factors which indicate that the carrying amount of the investment might not be recoverable. In such a case, the decrease in value is recognized in the period the impairment occurs in the Consolidated Statements of Earnings. The Company elects the fair value option when it believes that it best reflects the underlying economics of the investment. These investments may be valued using third-party pricing services at each reporting date with changes in fair value recorded as a component of Interest and other, net in the Consolidated Statements of Earnings.

Debt Securities Investments

Debt securities are generally considered available-for-sale and are reported at fair value with unrealized gains and losses, net of applicable taxes, recorded in Accumulated other comprehensive loss in the Consolidated Balance Sheets. Realized gains and losses for available-for-sale securities are calculated based on the specific identification method and included in Interest and other, net in the Consolidated Statements of Earnings. The Company monitors its investment portfolio for potential impairment on a quarterly basis. When the carrying amount of an investment in debt securities exceeds its fair value and the decline in value is determined to be due to credit-related factors, the Company recognizes the impairment using an allowance for credit loss in

Interest and other, net, in the Consolidated Statements of Earnings, while the impairment that is not credit related is recorded in Accumulated other comprehensive loss in the Consolidated Balance Sheets.

Derivatives

The Company uses derivative financial instruments, primarily forwards, swaps, and, at times, options, to manage a variety of risks, including risks related to foreign currency and interest rate exposures. The Company does not use derivative financial instruments for speculative purposes.

The Company receives fair value to sell an asset or pay to transfer a liability in an orderly transaction between market participants at the measurement date. When prices in active markets are not available for an identical asset or liability, the Company generally uses industry standard valuation models to measure the fair value of derivative positions. Such measurements involve projecting future cash flows and discounting the future amounts to present value using market based observable inputs, including interest rate curves, Company and counterparty credit risk, foreign currency exchange rates, and forward and spot prices. In the absence of such data, the Company will use internal information that is consistent with what market participants would use in a hypothetical transaction that occurs at the measurement date. The determination of fair value

often involves significant judgments about assumptions such as determining an appropriate discount rate that factors in both risk and liquidity premiums, identifying the similarities and differences in market transactions, weighting those differences accordingly and then making the appropriate adjustments to those market transactions to reflect the risks specific to the asset or liability being valued.

Derivative Instruments

The Company is a global company exposed to foreign currency exchange rate fluctuations and interest rate changes in the normal course of its business. As part of its risk management strategy, the Company uses derivative instruments, primarily forward contracts, interest rate swaps and total return swaps to hedge certain foreign currency, interest rate and, to a lesser extent, equity exposures. The Company's objective is to offset gains and losses resulting from these exposures with losses and gains on the derivative contracts used to hedge them, thereby reducing volatility of earnings or protecting the fair value of assets and liabilities. The Company does not have any leveraged derivatives and does not use derivative contracts for speculative purposes. The Company may designate its derivative contracts as fair value hedges, cash flow hedges or hedges of the foreign currency exposure of a net investment in a foreign operation ("net investment hedges"). Additionally, for derivatives not designated as hedging instruments, the Company categorizes those economic hedges as other derivatives. Derivative instruments are recognized at fair value in the Consolidated Balance Sheets. The change in fair value of the derivative instruments is recognized in the Consolidated Statements of Earnings or Consolidated Statements of Comprehensive Income depending upon the type of hedge as further discussed below. The Company classifies cash flows from its derivative programs with the activities that correspond to the underlying hedged items in the Consolidated Statements of Cash Flows.

As a result of its use of derivative instruments, the Company is exposed to the risk that its counterparties will fail to meet their contractual obligations. To mitigate counterparty credit risk, the Company has a policy of only entering into derivative contracts with carefully selected major financial institutions based on their credit ratings and other factors, and the Company maintains dollar risk limits that correspond to each financial institution's credit rating and other factors. The Company's established policies and procedures for mitigating credit risk include reviewing and establishing limits for credit exposure and periodically reassessing the creditworthiness of its counterparties. Master netting agreements also mitigate credit exposure to counterparties by permitting the Company to net amounts due from the Company to a counterparty against amounts due to the Company from the same counterparty under certain conditions.

To further mitigate credit exposure to counterparties, the Company has collateral security agreements, which allows the Company to hold collateral from, or require the Company to post collateral to counterparties when aggregate derivative fair values exceed contractually established thresholds which are generally based on the credit ratings of the Company and its counterparties. If the Company's credit rating falls below a specified credit rating, the counterparty has the right to request full collateralization of the derivatives' net liability position. Conversely, if the counterparty's credit rating falls below a specified credit rating, the Company has the right to request full collateralization of the derivatives' net liability position. Collateral is generally posted within two business days. The fair value of the Company's derivatives with credit contingent features in a net liability position was \$23 million and \$108 million at October 31, 2024 and 2023, respectively, most of which were fully collateralized within two business days.

Under the Company's derivative contracts, the counterparty can terminate all outstanding trades following a covered change of control event affecting the Company that results in the surviving entity being rated below a specified credit rating. This credit contingent provision did not affect the Company's financial position or cash flows as of October 31, 2024 and 2023.

Fair Value Hedges

The Company issues long-term debt in U.S. dollars based on market conditions at the time of financing. The Company may enter into fair value hedges, such as interest rate swaps, to reduce the exposure of its debt portfolio to changes in fair value resulting from changes in interest rates by achieving a primarily U.S. dollar LIBOR-based floating interest rate which was replaced with SOFR starting in July of fiscal 2023. The swap transactions generally involve principal

and interest obligations for U.S. dollar-denominated amounts. Alternatively, the Company may choose not to swap fixed for floating interest payments or may terminate a previously executed swap if it believes a larger proportion of fixed-rate debt would be beneficial. When investing in fixed-rate instruments, the Company may enter into interest rate swaps that convert the fixed interest payments into variable interest payments and may designate these swaps as fair value hedges.

For derivative instruments that are designated and qualify as fair value hedges, the Company recognizes the change in fair value of the derivative instrument, as well as the offsetting change in the fair value of the hedged item, in Interest and other, net in the Consolidated Statements of Earnings in the period of change.

Cash Flow Hedges

The Company uses forward contracts designated as cash flow hedges to protect against the foreign currency exchange rate risks inherent in its forecasted net revenue and, to a lesser extent, cost of sales, operating expenses, and intercompany loans denominated in currencies other than the U.S. dollar. The Company's foreign currency cash flow hedges mature generally

within twelve months; however, forward contracts associated with sales-type and direct-financing leases and intercompany loans extend for the duration of the lease or loan term, which can extend up to five years.

For derivative instruments that are designated and qualify as cash flow hedges, and as long as they remain highly effective, the Company records the changes in fair value of the derivative instrument in Accumulated other comprehensive loss as a separate component of equity in the Consolidated Balance Sheets and subsequently reclassifies these amounts into earnings in the same financial statement line item when the hedged transaction is recognized.

In connection with the Company's pending acquisition of Juniper Networks and related debt issuances, the Company entered into interest rate locks for an aggregate notional amount of \$2.6 billion. These contracts were settled in fiscal 2024, the Company recognized a loss of \$42 million in accumulated other comprehensive income.

Net Investment Hedges

The Company uses forward contracts designated as net investment hedges to hedge net investments in certain foreign subsidiaries whose functional currency is the local currency. The Company records the changes in the fair value of the hedged items in cumulative translation adjustment as a separate component of equity in the Consolidated Balance Sheets.

Other Derivatives

Other derivatives not designated as hedging instruments consist primarily of forward contracts used to hedge foreign currency-denominated balance sheet exposures. The Company also uses total return swaps, based on equity or fixed income indices, to hedge its executive deferred compensation plan liability.

For derivative instruments not designated as hedging instruments, the Company recognizes changes in fair value of the derivative instrument, as well as the offsetting change in the fair value of the hedged item, in Interest and other, net in the Consolidated Statements of Earnings in the period of change.

Hedge Effectiveness

For interest rate swaps designated as fair value hedges, the Company measures hedge effectiveness by offsetting the change in fair value of the hedged items with the change in fair value of the derivative. For forward contracts designated as cash flow or net investment hedges, the Company measures hedge effectiveness by comparing the cumulative change in fair value of the hedge contract with the cumulative change in fair value of the hedged item, both of which are based on forward rates.

Contingencies

The Company is involved in various lawsuits, claims, investigations, and proceedings that arise in the ordinary course of business. The Company records a liability for contingencies when it believes it is both probable that a liability has been incurred and the amount of the loss can be reasonably estimated. The Company does not record gain contingencies until realized.

Warranties

The Company accrues the estimated cost of product warranties at the time of recognizing revenue. The Company's standard product warranty terms generally include post-sales support and repairs or replacement of a product at no additional charge for a specified period of time. The Company engages in extensive product quality programs and processes, including actively monitoring and evaluating the quality of its component suppliers. The estimated warranty obligation is based on contractual warranty terms, repair costs, product call rates, average cost per call, current period product shipments and ongoing product failure rates, as well as specific product class failure outside of the Company's baseline experience.

Warranty terms generally range from one to five years for parts and labor, depending upon the product. For certain networking products, the Company offers a lifetime warranty. Over the last three fiscal years, the annual warranty expense has averaged approximately 1.1% of annual net product revenue.

Recently Enacted Accounting Pronouncements

In November 2024, the FASB issued guidance to provide disaggregated expense disclosures in the Consolidated Financial Statements. The Company is required to adopt the guidance for its annual period ending October 31, 2028 and all interim periods thereafter, though early adoption is permitted. The Company is currently evaluating the impact of this amendment on its Consolidated Financial Statements.

In December 2023, the FASB issued guidance to provide disaggregated income tax disclosures on the rate reconciliation and income taxes paid. The Company is required to adopt the guidance in the first quarter of fiscal 2026, though early adoption is permitted. The Company is currently evaluating the impact of this amendment on its Consolidated Financial Statements.

In November 2023, the FASB issued guidance to improve the disclosures about a public entity's reportable segments and address requests from investors for additional, more detailed information about a reportable segment's expenses. The Company will adopt this guidance for its annual period ending October 31, 2025 and all interim periods thereafter. The Company does not expect the adoption of this guidance to have a significant impact on its Consolidated Financial Statements.

Segment Information

Hewlett Packard Enterprise's operations are organized into five segments for financial reporting purposes: Server, Hybrid Cloud, Intelligent Edge, Financial Services ("FS"), and Corporate Investments and Other. Hewlett Packard Enterprise's organizational structure is based on a number of factors that the Chief Operating Decision Maker ("CODM"), who is the Chief Executive Officer, uses to evaluate, view and run the Company's business operations, which include, but are not limited to, customer base and homogeneity of products and technology. The five segments are based on this organizational structure and information reviewed by Hewlett Packard Enterprise's management to evaluate segment results. A summary of the types of products and services within each segment is as follows:

Server

consists of general-purpose servers for multi-workload computing and workload-optimized servers to deliver the best performance and value for demanding applications, and integrated systems comprised of software and hardware designed to address High-Performance Computing and Supercomputing (including exascale applications), Artificial Intelligence ("AI"), Data Analytics, and Transaction Processing workloads for government and commercial customers globally. This portfolio of products includes the secure and versatile HPE ProLiant Rack and Tower servers; HPE Synergy, a composable infrastructure for traditional and cloud-native applications; HPE Scale Up Servers product lines for

critical applications, including large enterprise software applications and data analytics platforms; HPE Edgeline servers; HPE Cray EX; HPE Cray XD (formerly known as HPE Apollo); and HPE NonStop. Server offerings also include operational and support services sold with systems and as standalone services.

Hybrid Cloud offers a wide variety of cloud-native and hybrid solutions across storage, private cloud and the infrastructure SaaS space. Storage includes data storage and data management offerings with the HPE Alletra Storage portfolio; unstructured data solutions and analytics for AI; data protection and archiving; and storage networking. It also includes AIOps-driven intelligence with HPE InfoSight and HPE CloudPhysics. In private cloud, the HPE GreenLake offerings include new cloud-native offerings and capabilities for virtual machines, containers, and bare metal; a full suite of private cloud offerings that enable customers to self-manage or choose a fully managed experience; and a portfolio of world-class AI infrastructure delivered as a service. This segment also provides self-service private cloud on-demand with HPE GreenLake for Private Cloud Business Edition. Infrastructure software includes monitoring and observability for day two operations and beyond through the Company's acquisition of OpsRamp and unified data access through HPE Ezmeral Data Fabric and analytics suite, which helps move and transform data for use in AI and other applications. Hybrid Cloud segment also includes data lifecycle management and protection through its suite of offerings, including Zerto Disaster Recovery.

Intelligent Edge offers wired and wireless local area networks, campus, branch, and data center switching, software-defined wide-area networks, private and public cellular network software, network security, and associated services that enable secure connectivity for businesses of any size. The HPE Aruba Networking product portfolio includes hardware products such as Wi-Fi access points, switches, and gateways. The HPE Aruba Networking software and services portfolio includes cloud-based management, network management, network access control, software-defined wide-area networking, network security, analytics and assurance, location services software, private and public cellular core software, and professional and support services, as well as as a service and consumption models through the HPE GreenLake cloud for the Intelligent Edge portfolio of products. Intelligent Edge offerings are consolidated in the edge service platform, which takes a cloud-native approach that provides customers with a unified framework to meet their connectivity, security, and financial needs across campus, branch, data center, and remote worker environments.

Financial Services provides flexible investment solutions, such as leasing, financing, IT consumption, utility programs, and asset management services for customers that facilitate unique technology deployment models and the acquisition of complete IT solutions, including hardware, software, and services from Hewlett Packard Enterprise and others. FS also supports financial solutions for on-premise flexible consumption models, such as the HPE GreenLake cloud.

Corporate Investments and Other includes the Advisory and Professional Services ("A & P; S") business, which primarily offers consultative-led services, HPE and partner technology expertise and advice, implementation services as well as complex solution engagement capabilities; CMS, which primarily offers software and related services to the telecommunications industry; and Hewlett Packard Labs, which is responsible for research and development.

Segment Policy

Hewlett Packard Enterprise derives the results of its business segments directly from its internal management reporting system. The accounting policies that Hewlett Packard Enterprise uses to derive segment results are substantially the same as those the consolidated company uses. The CODM measures the performance of each segment based on several metrics, including earnings from operations. The CODM uses these results, in part, to evaluate the performance of, and to allocate resources to each of the segments.

[illegible]

[illegible]

[illegible]

1,014			
30,649			
1,818			
245			
1,115			
316			
(25)			
3,469			
Fiscal 2023			

[illegible]

[illegible]

985		
29,698		
Segment earnings (loss) from operations		
1,830		
232		
1,343		
281		
(77)		
3,609		
Fiscal 2022		

[illegible]

[illegible]

[illegible]

The reconciliation of segment operating results to Consolidated Statement of Earnings

	2024	2023	2022
In millions			
Net Revenue:	\$	\$	\$
Total segments	30,649	29,698	
	\$	\$	\$

Times New Roman', sans-serif; font-size: 10pt; font-weight: 400; line-height: 100%; padding: 2px 1pt 2px 0; text-align: right; vertical-align: bottom;">28,913		
Elimination of intersegment net revenue		
(522)		
(563)		
(417)		
Total consolidated net revenue		
\$		
30,127		
\$		
29,135		
\$		
28,496		
Earnings Before Taxes:		
Total segment earnings from operations		
\$		
3,469		

[illegible]

[illegible]

(69)

Acquisition, disposition and other related charges

(70)

Interest and other, net

(71)

Gain on sale of equity interest

(72)

733

Earnings from equity interests	147	245	215
Total earnings before provision for taxes	\$2,953	\$2,230	\$876

Major Customers

The Company had two distributors which represented approximately 14% and 11% of the Company's total net revenue in fiscal 2024, primarily within the Intelligent Edge and Server segments. The Company had one customer, which is a distributor, that represented 11% of the Company's total net revenue in fiscal 2023, primarily within the Intelligent Edge and Server segments. No single customer represented 10% or more of the Company's total net revenue in fiscal year 2022.

Geographic Information

[illegible]

			9,425
Americas excluding U.S.			2,345
			2,208
			1,964
Total Americas			13,235
			12,577
			11,389
Europe, Middle East and Africa			10,189
			10,151
			10,292
Asia Pacific and Japan			6,703
			6,407

Total consolidated net revenue

\$	30,127			
\$	29,135			
\$	28,496			

Property, plant and equipment, net by country in which the Company's operates was as follows:

	As of October 31, 2024	2023	In millions
U.S.			

Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">2,616 </td><td style="background-color:#e6e6ff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#e6e6ff;padding:0 1pt"></td><td style="background-color:#e6e6ff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$</td><td style="background-color:#e6e6ff;padding:2px 0;text-align:right;vertical-align:bottom">2,803 </td><td style="background-color:#e6e6ff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Other countries</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3,048 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3,186 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#e6e6ff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:bottom">Total property, plant and equipment, net</td><td style="background-color:#e6e6ff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$</td><td style="background-color:#e6e6ff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">5,664 </td><td style="background-color:#e6e6ff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#e6e6ff;padding:0 1pt"></td><td style="background-color:#e6e6ff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$</td><td style="background-color:#e6e6ff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">5,989 </td><td style="background-color:#e6e6ff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table></div>55<div style="margin-bottom:8pt;margin-top:8pt;text-align:justify">Segment Operating Results</div><div style="margin-bottom:8pt;margin-top:5pt;text-align:justify"><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:37.204%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:8.695%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.384%"></td><td style="width:0.1%"></td><td colspan="3" style="width:0.384%"></td><td colspan="3" style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:8.695%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.384%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:8.695%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.384%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:8.695%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.384%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:8.701%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Server</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="border-bottom:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:8pt;font-

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

#000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">
</td><td colspan="3" style="background-color:#e6e6ff;padding:0 1pt"></td><td
style="background-color:#e6e6ff;border-bottom:3pt double #000;border-top:1pt solid
#000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span
style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-
height:100%">\$</td><td style="background-color:#e6e6ff;border-bottom:3pt double
#000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom"><span
style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-
height:100%">876 </td><td style="background-color:#e6e6ff;border-bottom:3pt double
#000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">
</td></tr></table></div>306490000002969800000028913000000-522000000-563000000-
417000000301270000002913500000028496000000346900000036090000003329000000301000000-
159000000350000000020400000069000000190000001170000001040000001210000007330000000
style="margin-top:8pt;text-align:justify;text-indent:24.75pt"><span style="color:#000000;font-
family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:120%">Net revenue
by geographic region was as follows:</div><div style="margin-top:5pt;text-align:justify">
<table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-
bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:59.280%"></td><td
style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.619%"></td><td
style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td
style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.619%"></td><td
style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td
style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.622%"></td><td
style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-
align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-
size:10pt;font-weight:700;line-height:100%"> </td><td colspan="15" style="padding:2px
1pt;text-align:center;vertical-align:bottom"><span style="color:#000000;font-family:'Times New
Roman',sans-serif;font-size:8pt;font-weight:700;line-height:100%">For the fiscal years ended
October 31,</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-
align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-
size:8pt;font-weight:700;line-height:100%"> </td><td colspan="3" style="border-top:1pt
solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom"><span
style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:8pt;font-weight:700;line-
height:100%">2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0
1pt"></td><td colspan="3" style="border-bottom:1pt solid #000;border-top:1pt solid
#000000;padding:2px 1pt;text-align:center;vertical-align:bottom"><span
style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:8pt;font-weight:700;line-
height:100%">2023</td><td colspan="3" style="border-top:1pt solid #000000;padding:0
1pt"></td><td colspan="3" style="border-bottom:1pt solid #000;border-top:1pt solid
#000000;padding:2px 1pt;text-align:center;vertical-align:bottom"><span
style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:8pt;font-weight:700;line-
height:100%">2022</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-
align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-
serif;font-size:8pt;font-weight:700;line-height:100%"> </td><td colspan="15"
style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom"><span
style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:8pt;font-weight:700;line-
height:100%">In millions</td></tr><tr><td colspan="3" style="background-
color:#e6e6ff;padding:2px 1pt;text-align:left;vertical-align:bottom"><span
style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-
height:100%">Americas</td><td colspan="3" style="background-color:#e6e6ff;padding:0
1pt"></td><td colspan="3" style="background-color:#e6e6ff;padding:0 1pt"></td><td colspan="3"
style="background-color:#e6e6ff;padding:0 1pt"></td><td colspan="3" style="background-
color:#e6e6ff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-
color:#ffffff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:bottom"><span
style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-
height:100%">U.S.</td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-
align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-
serif;font-size:10pt;font-weight:400;line-height:100%">\$</td><td style="background-
color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom"><span
style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-
height:100%">10,890 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-
align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0
1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-
align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-
size:10pt;font-weight:400;line-height:100%">\$</td><td style="background-
color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom"><span

[illegible]

weight:400;line-height:100%">6,703 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">6,407 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">6,815 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ceeeff;padding:2px 1pt 2px 18.25pt;text-align:left;vertical-align:bottom">Total consolidated net revenue</td><td style="background-color:#ceeeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$</td><td style="background-color:#ceeeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">30,127 </td><td style="background-color:#ceeeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ceeeff;padding:0 1pt"></td><td style="background-color:#ceeeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$</td><td style="background-color:#ceeeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">29,135 </td><td style="background-color:#ceeeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ceeeff;padding:0 1pt"></td><td style="background-color:#ceeeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$</td><td style="background-color:#ceeeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">28,496 </td><td style="background-color:#ceeeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table></div>10890000000010369000000094250000000234500000002208000000019640000000132350000000125<div style="margin-top:8pt;text-align:justify;text-indent:24.75pt">Property, plant and equipment, net by country in which the Company's operates was as follows:</div><div style="margin-bottom:8pt;margin-top:5pt;text-align:justify"><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:72.730%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.619%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.621%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"> </td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">As of October 31</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"> </td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-bottom:1pt solid #000000;border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:8pt;font-weight:700;line-

In millions								
U.S.			\$			2,616		
Other countries			3,048			3,186		
Total property, plant and equipment, net			\$			5,664		
Total			\$			5,989		

261600000028030000003048000000318600000056640000005989000000Transformation Programs

Transformation programs are comprised of the Cost Optimization and Prioritization Plan and the HPE Next Plan. During the third quarter of fiscal 2020, the Company launched the Cost Optimization and Prioritization Plan which focuses on realigning the workforce to areas of growth, a new hybrid workforce model called Edge-to-Office, real estate strategies and simplifying and evolving the Company's product portfolio strategy. The transformation costs predominantly related to labor restructuring, non-labor restructuring, IT investments, design and execution charges and real estate initiatives. The primary elements of the Cost Optimization and Prioritization Plan were completed by the end of fiscal 2024.

During the third quarter of fiscal 2017, the Company launched the HPE Next Plan to put in place a purpose-built company designed to compete and win in the markets where it participates. Through this program, the Company is simplifying the operating model, and

streamlining its offerings, business processes and business systems to improve its strategy execution. The primary elements of the HPE Next Plan were completed by the end of fiscal 2024.

Cost Optimization and Prioritization Plan

The components of the transformation costs relating to the Cost Optimization and Prioritization Plan were as follows:

	2024	2023	2022		2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008	2007	2006	2005	2004	2003	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975	1974	1973	1972	1971	1970	1969	1968	1967	1966	1965	1964	1963	1962	1961	1960	1959	1958	1957	1956	1955	1954	1953	1952	1951	1950	1949	1948	1947	1946	1945	1944	1943	1942	1941	1940	1939	1938	1937	1936	1935	1934	1933	1932	1931	1930	1929	1928	1927	1926	1925	1924	1923	1922	1921	1920	1919	1918	1917	1916	1915	1914	1913	1912	1911	1910	1909	1908	1907	1906	1905	1904	1903	1902	1901	1900	1899	1898	1897	1896	1895	1894	1893	1892	1891	1890	1889	1888	1887	1886	1885	1884	1883	1882	1881	1880	1879	1878	1877	1876	1875	1874	1873	1872	1871	1870	1869	1868	1867	1866	1865	1864	1863	1862	1861	1860	1859	1858	1857	1856	1855	1854	1853	1852	1851	1850	1849	1848	1847	1846	1845	1844	1843	1842	1841	1840	1839	1838	1837	1836	1835	1834	1833	1832	1831	1830	1829	1828	1827	1826	1825	1824	1823	1822	1821	1820	1819	1818	1817	1816	1815	1814	1813	1812	1811	1810	1809	1808	1807	1806	1805	1804	1803	1802	1801	1800	1799	1798	1797	1796	1795	1794	1793	1792	1791	1790	1789	1788	1787	1786	1785	1784	1783	1782	1781	1780	1779	1778	1777	1776	1775	1774	1773	1772	1771	1770	1769	1768	1767	1766	1765	1764	1763	1762	1761	1760	1759	1758	1757	1756	1755	1754	1753	1752	1751	1750	1749	1748	1747	1746	1745	1744	1743	1742	1741	1740	1739	1738	1737	1736	1735	1734	1733	1732	1731	1730	1729	1728	1727	1726	1725	1724	1723	1722	1721	1720	1719	1718	1717	1716	1715	1714	1713	1712	1711	1710	1709	1708	1707	1706	1705	1704	1703	1702	1701	1700	1699	1698	1697	1696	1695	1694	1693	1692	1691	1690	1689	1688	1687	1686	1685	1684	1683	1682	1681	1680	1679	1678	1677	1676	1675	1674	1673	1672	1671	1670	1669	1668	1667	1666	1665	1664	1663	1662	1661	1660	1659	1658	1657	1656	1655	1654	1653	1652	1651	1650	1649	1648	1647	1646	1645	1644	1643	1642	1641	1640	1639	1638	1637	1636	1635	1634	1633	1632	1631	1630	1629	1628</

Roman'<\/td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"><\/td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"><\/td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">26<\/span><\/td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"><\/td><\/tr><tr><td colspan="3" style="background-color:#ceeeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Restructuring charges<\/span><\/td><td colspan="2" style="background-color:#ceeeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">32<\/span><\/td><td style="background-color:#ceeeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"><\/td><td colspan="3" style="background-color:#ceeeff;padding:0 1pt"><\/td><td colspan="2" style="background-color:#ceeeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">226<\/span><\/td><td style="background-color:#ceeeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"><\/td><td colspan="3" style="background-color:#ceeeff;padding:0 1pt"><\/td><td colspan="2" style="background-color:#ceeeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">201<\/span><\/td><td style="background-color:#ceeeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"><\/td><\/tr><tr><td colspan="3" style="display:none"><\/td><td colspan="3" style="display:none"><\/td><td colspan="3" style="display:none"><\/td><td colspan="3" style="display:none"><\/td><td colspan="3" style="display:none"><\/td><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 12.25pt;text-align:left;vertical-align:bottom">Total<\/span><\/td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$<\/span><\/td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">47<\/span><\/td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"><\/td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"><\/td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$<\/span><\/td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">261<\/span><\/td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"><\/td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"><\/td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$<\/span><\/td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">254<\/span><\/td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"><\/td><\/tr><\/table><\/div><div style="margin-bottom:8pt;margin-top:8pt;text-align:justify">HPE Next Plan<\/span><\/div><div style="margin-bottom:8pt;margin-top:8pt;text-align:justify;text-indent:24.75pt">The components of transformation costs relating to HPE Next Plan were as follows:<\/span><\/div><div style="margin-top:5pt"><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:top;width:100.000%"><tr><td style="width:1.0%"><\/td><td style="width:60.157%"><\/td><td style="width:0.1%"><\/td><td style="width:1.0%"><\/td><td style="width:11.326%"><\/td><td style="width:0.1%"><\/td><td style="width:0.1%"><\/td><td style="width:0.530%"><\/td><td style="width:0.1%"><\/td><td style="width:1.0%"><\/td><td style="width:11.326%"><\/td><td style="width:0.1%"><\/td><td style="width:0.1%"><\/td><td style="width:0.530%"><\/td><td><\/td><\/tr><\/table><\/div>

[illegible]

[illegible]

#000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeef;padding:0 1pt"></td><td style="background-color:#cceeef;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$</td><td style="background-color:#cceeef;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">25</td><td style="background-color:#cceeef;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeef;padding:0 1pt"></td><td style="background-color:#cceeef;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$</td><td style="background-color:#cceeef;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">220</td><td style="background-color:#cceeef;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table></div><div style="margin-bottom:8pt;margin-top:8pt;text-align:justify">Restructuring Plans</div><div style="margin-bottom:8pt;margin-top:8pt;text-align:justify;text-indent:24.75pt">On May 19, 2020, the Company's Board of Directors approved a restructuring plan in connection with the Cost Optimization and Prioritization Plan which primarily related to labor restructuring and real estate site exits under non-labor restructuring. The changes to the workforce varied by country, based on business needs, local legal requirements and consultations with employee works councils and other employee representatives, as appropriate.</div><div style="margin-bottom:8pt;margin-top:8pt;text-align:justify;text-indent:24.75pt">On October 16, 2017, the Company's Board of Directors approved a restructuring plan in connection with the HPE Next Plan, and on September 20, 2018, the Company's Board of Directors approved a revision to that restructuring plan. Headcount exits under the HPE Next Plan were substantially complete as of October 31, 2020. Other restructuring actions primarily related to infrastructure were substantially complete as of October 31, 2022.</div><div style="margin-bottom:8pt;margin-top:8pt;text-align:justify;text-indent:24.75pt">Restructuring activities related to the Company's employees and infrastructure under the Cost Optimization and Prioritization Plan and HPE Next Plan are presented in the table below:</div><div style="margin-top:5pt;text-align:center"><table border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:top; width:100.000%"><tr><td style="width:1.0%"></td><td style="width:46.268%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.619%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.384%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.619%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.384%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.619%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.384%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.623%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"></td><td colspan="9" style="padding:2px 1pt;text-align:left;vertical-align:bottom"><div style="margin-top:8pt;text-align:center;text-indent:22.5pt">Cost Optimization and Prioritization Plan</div></td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">HPE Next Plan</td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">Employee
Severance</td><td colspan="3" style="border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="border-bottom:1pt solid #000000;border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">Infrastructure
and other</td><td colspan="3" style="padding:0 1pt"></td>

Employee Severance			Infrastructure and other			In millions																																																																					
Liability as of October 31, 2023			\$			152						\$			127						\$			6						\$			27						Charges			30					2						2						—						1						Cash payments				

[illegible]

Total costs incurred to date as of October 31, 2024		
\$	823	
Total expected costs to be incurred as of October 31, 2024		
\$	823	
Total expected costs to be incurred as of October 31, 2024		
\$	1,267	
Total expected costs to be incurred as of October 31, 2024		
\$	271	
Total expected costs to be incurred as of October 31, 2024		
\$	823	
Total expected costs to be incurred as of October 31, 2024		
\$	563	
Total expected costs to be incurred as of October 31, 2024		
\$	1,267	

color:#ccccff;border-bottom:3pt double #000;border-top:3pt double #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccccff;padding:0 1pt"></td><td style="background-color:#ccccff;border-bottom:3pt double #000;border-top:3pt double #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$</td><td style="background-color:#ccccff;border-bottom:3pt double #000;border-top:3pt double #000;padding:2px 0;text-align:right;vertical-align:bottom">271</td><td style="background-color:#ccccff;border-bottom:3pt double #000;border-top:3pt double #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table></div><div style="margin-bottom:8pt;margin-top:8pt;text-align:justify;text-indent:24.75pt">The current restructuring liability related to the transformation programs, reported in the Consolidated Balance Sheets as of October 31, 2024 and 2023, was \$61 million and \$180 million, respectively, in Accrued restructuring, and \$17 million and \$22 million, respectively, in Other accrued liabilities. The non-current restructuring liability related to the transformation programs, reported in Other non-current liabilities in the Consolidated Balance Sheets as of October 31, 2024 and 2023 was \$106 million and \$110 million, respectively.</div><div style="margin-bottom:8pt;margin-top:8pt;text-align:justify;text-indent:24.75pt">The components of the transformation costs relating to the Cost Optimization and Prioritization Plan were as follows:</div><div style="margin-bottom:3pt;margin-top:8pt;text-align:justify"><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:58.256%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.057%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.384%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.057%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.384%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.062%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="15" style="padding:2px 1pt;text-align:center;vertical-align:bottom">For the fiscal years ended October 31,</td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="border-bottom:1pt solid #000;border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td><td colspan="3" style="border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="border-bottom:1pt solid #000;border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">2022</td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="15" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">In millions</td></tr><tr><td colspan="3" style="background-color:#ccccff;padding:2px 1pt;text-align:left;vertical-align:bottom">Program management</td><td style="background-color:#ccccff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$</td><td style="background-color:#ccccff;padding:2px 0;text-align:right;vertical-align:bottom">2</td><td style="background-color:#ccccff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccccff;padding:0 1pt"></td><td style="background-color:#ccccff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$</td><td style="background-color:#ccccff;padding:2px 0;text-align:right;vertical-align:bottom">9</td><td style="background-color:#ccccff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccccff;padding:0 1pt"></td><td style="background-color:#ccccff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">

	\$	IT costs	13	26	26	Restructuring charges	32	226	201	Total	\$	47	261	254

The components of transformation costs relating to HPE Next Plan were as follows:

	2024	2023	2022
Program management	\$	\$	\$
	1	—	7
	47	91	91
IT costs	47	91	91

[illegible]

Total	49
25	
220	

2000000900000027000000130000002600000026000000320000002260000002010000004700

Restructuring activities related to the Company's employees and infrastructure under the Cost Optimization and Prioritization Plan and HPE Next Plan are presented in the table below:

			Employee Severance															Infrastructure and other		
			Cost Optimization and Prioritization Plan															HPE Next Plan		
			Employee Severance															Infrastructure and other		

[illegible]

(38)		(5)		(7)		Non-cash items		(2)		(3)		3		(1)		(67)		(94)		—		23	
Liability as of October 31, 2024																							
\$																							
67																							
\$																							
94																							
—																							
23																							

Total costs incurred to date as of October 31, 2024		
\$	823	
\$		
	563	
\$		
	1,267	
\$		
	271	
Total expected costs to be incurred as of October 31, 2024		
\$	823	
\$	563	
\$	1,267	

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

4

6

5

—

—

—

—

Total net benefit cost (credit)

\$

51

\$

56

\$

(56)

\$

2

1

1		

1		

(1)

These non-service components were included in Interest and other, net in the Consolidated Statements of Earnings.

The weighted-average assumptions used to calculate the net benefit cost (credit) in the table above for fiscal 2024, 2023 and 2022 were as follows:

For the fiscal years ended October 31,																				
2024			2023			2022			2024			2023			2022					
Defined Benefit Plans																				
Post-Retirement Benefit Plans																				
Discount rate used to determine benefit obligation																				
4.4			%			3.9			%			1.3			%			6.5		

[illegible]

[illegible]

					5.1	
					3.2	
					5.3	
					4.3	
					3.3	
Interest crediting rate			(1)			
					2.4	
					2.4	
					2.5	
					5.3	
					4.3	

2.7

The average assumed interest credited for HPE's cash balance plans and post-retirement plans, as applicable.

To estimate the service and interest cost components of net periodic benefit cost for defined benefit plans that use the yield curve approach, which represent substantially all of the Company's defined benefit plans, the Company has elected to use a full yield curve approach in the estimation of these components of benefit cost by applying the specific spot rates along the yield curve used in the determination of the benefit obligation to the relevant projected cash flows.

Funded Status

The funded status of the plans was as follows:

	2024	2023
Defined Benefit Plans		

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

Currency impact		
319	613	
(2)		
—		
Projected benefit obligation—end of year		
(3)		
\$		
10,256		
9,362		
\$		
162		
148		
Funded status at end of year		
\$		
751		

[illegible]

[illegible]

3.8		
%		
4.4		
%		
5.6		
%		
6.5		
%		
Expected increase in compensation levels		
2.6		
%		
2.9		
%		
—		
—		
Interest crediting rate		
2.5		
%		
2.4		
%		
4.8		

1pt 2px 0;text-align:right;vertical-align:bottom">%</td><td colspan="3" style="background-color:#e6e6ff;padding:0 1pt"></td><td colspan="2" style="background-color:#e6e6ff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">5.3 </td><td style="background-color:#e6e6ff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">%</td></tr></table></div><div style="margin-bottom:8pt;margin-top:8pt;text-align:justify;text-indent:24.75pt">The net amounts recognized for defined benefit and post-retirement benefit plans in the Company's Consolidated Balance Sheets were as follows:</div><div style="margin-top:5pt;text-align:justify"><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:45.829%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.619%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.619%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.619%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.624%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"> </td><td colspan="21" style="padding:2px 1pt;text-align:center;vertical-align:bottom">As of October 31,</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"> </td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-bottom:1pt solid #000000;border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-bottom:1pt solid #000000;border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"> </td><td colspan="9" style="border-bottom:1pt solid #000000;border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">Defined Benefit Plans</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="border-bottom:1pt solid #000000;border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">Post-Retirement Benefit Plans</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"> </td><td colspan="21" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">In millions</td></tr><tr><td colspan="3" style="background-color:#e6e6ff;padding:2px 1pt;text-align:left;vertical-align:bottom">Non-current assets</td><td style="background-color:#e6e6ff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$</td><td style="background-color:#e6e6ff;padding:2px 0;text-align:right;vertical-align:bottom">1,555 </td><td style="background-color:#e6e6ff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">

[illegible]

[illegible]

Total recognized in accumulated other comprehensive loss

\$	2,492	

Defined benefit plans with projected benefit obligations exceeding the fair value of plan assets were as follows:

	As of October 31,	2024	2023
Aggregate fair value of plan assets	\$	506	1,969
Aggregate projected benefit obligation	\$		

\$

Defined benefit plans with accumulated benefit obligations exceeding the fair value of plan assets were as follows:												
As of October 31,												
In millions												
Aggregate fair value of plan assets												
\$	2,274											
\$	1,969											
Aggregate accumulated benefit obligation												
\$	3,076											
Aggregate unrecognized net loss liability												
\$	2,675											

[illegible]

[illegible]

654

60

60

714

543

12

12

555

Non-U.S.

125

190

190

background-color: #ffffff; padding: 2px 0 2px 1pt; text-align: right; vertical-align: bottom;">Times New Roman, sans-serif; font-size: 10pt; font-weight: 400; line-height: 100%;>315			background-color: #ffffff; padding: 2px 0 2px 1pt; text-align: right; vertical-align: bottom;">Times New Roman, sans-serif; font-size: 10pt; font-weight: 400; line-height: 100%;>110	
background-color: #ffffff; padding: 2px 1pt 2px 0; text-align: right; vertical-align: bottom;">Times New Roman, sans-serif; font-size: 10pt; font-weight: 400; line-height: 100%;>212			background-color: #ffffff; padding: 2px 0 2px 1pt; text-align: right; vertical-align: bottom;">Times New Roman, sans-serif; font-size: 10pt; font-weight: 400; line-height: 100%;>—	
background-color: #ffffff; padding: 2px 1pt 2px 0; text-align: right; vertical-align: bottom;">Times New Roman, sans-serif; font-size: 10pt; font-weight: 400; line-height: 100%;>322			background-color: #ffffff; padding: 2px 1pt 2px 0; text-align: right; vertical-align: bottom;">Times New Roman, sans-serif; font-size: 10pt; font-weight: 400; line-height: 100%;>—	
background-color: #ffffff; padding: 2px 1pt 2px 0; text-align: right; vertical-align: bottom;">Times New Roman, sans-serif; font-size: 10pt; font-weight: 400; line-height: 100%;>Debt securities			background-color: #ffffff; padding: 2px 1pt 2px 0; text-align: right; vertical-align: bottom;">Times New Roman, sans-serif; font-size: 10pt; font-weight: 400; line-height: 100%;>Corporate	
background-color: #ffffff; padding: 2px 0 2px 1pt; text-align: right; vertical-align: bottom;">Times New Roman, sans-serif; font-size: 10pt; font-weight: 400; line-height: 100%;>—			background-color: #ffffff; padding: 2px 1pt 2px 0; text-align: right; vertical-align: bottom;">Times New Roman, sans-serif; font-size: 10pt; font-weight: 400; line-height: 100%;>1,526	
background-color: #ffffff; padding: 2px 1pt 2px 0; text-align: right; vertical-align: bottom;">Times New Roman, sans-serif; font-size: 10pt; font-weight: 400; line-height: 100%;>—			background-color: #ffffff; padding: 2px 1pt 2px 0; text-align: right; vertical-align: bottom;">Times New Roman, sans-serif; font-size: 10pt; font-weight: 400; line-height: 100%;>1,526	
background-color: #ffffff; padding: 2px 0 2px 1pt; text-align: right; vertical-align: bottom;">Times New Roman, sans-serif; font-size: 10pt; font-weight: 400; line-height: 100%;>—			background-color: #ffffff; padding: 2px 1pt 2px 0; text-align: right; vertical-align: bottom;">Times New Roman, sans-serif; font-size: 10pt; font-weight: 400; line-height: 100%;>1,277	

[illegible]

[illegible]

282

5

41

46

Hybrids

(4)

365

197

562

177

358

177

535

Hybrids at NAV

(5)

[illegible]

[illegible]

Real Estate Funds		
(7)		
3		
303		
264		
570		
20		
327		
237		
584		
Insurance Group Annuity Contracts		
—		
93		
21		
114		
—		

[illegible]

[illegible]

[illegible]

	9,879	

(1) Repurchase agreements, primarily in the UK, represent the plans' short-term borrowing to hedge against interest rate and inflation risks. Investments in approximately \$2.0 billion and \$2.3 billion of government bonds collateralize this short-term borrowing at October 31, 2024 and 2023, respectively. The plans have an obligation to return the cash after the term of the agreements. Due to the short-term nature of the agreements, the outstanding balance of the obligation approximates fair value.

(2) Includes funds that invest primarily in asset-backed securities, mortgage-backed securities, collateralized loan obligations, and/or private debt investments. Primary valuation techniques for level 3 investments include discounted cash flows and broker quotes and/or third-party pricing services. Significant unobservable inputs include yields which are determined by considering the market yield of comparable public debt instruments adjusted for estimated losses to reflect where the expected recovery rate would be less than 100%, discount rates, and internal rate of return (IRR). The yields ranged from 6% to 21%, with the weighted average around 10%. In the prior year, the yields ranged from 6% to 22%, with the weighted average around 10%. The discount rates ranged from 3% to 5%, with the weighted average around 4%. In the prior year, the discount rates ranged from 4% to 5%, with the weighted average around 4%. The IRR ranged from 1% to 38%, with the main weighted average around 9%. In the prior year, the IRR ranged from 5% to 21%, with the main weighted average around 10%. Generally, an increase in yield and discounted rates may result in a decrease in the fair value of certain investments.

(3) Includes funds, primarily in the UK, held in non-marketable, limited partnership interests which invest in a broad range of infrastructure and infrastructure-related assets. Primary valuation techniques for level 3 investments include the market, income or cost approach. Significant unobservable inputs include discount rate and EV/EBITDA multiples. Discount rates ranged from 8% to 13%, with the weighted average around 10%. The EV/EBITDA multiples ranged from 6.5x to 37.9x, with the weighted average ranging from 9.2x to 36.3x. Generally, an increase in discount rates may result in a decrease in the fair value of certain investments. The EV/EBITDA ratio generally indicates the number of times investors are willing to pay for a company's EBITDA valuation.

(4) Includes funds, primarily in the UK, that invest in both private and public equities, as well as emerging markets across all sectors. The funds also hold fixed income and derivative instruments to hedge interest rate and inflation risk. In addition, the funds include units in transferable securities, collective investment schemes, money market funds, asset-backed income, cash, and deposits. Primary valuation techniques for level 3 investments include discounted cash flows and book value or net asset value. Significant unobservable inputs include discount rates. The discount rates ranged from 3% to 38%, with the weighted average around 17%. In the prior year, the discount rates ranged from 3% to 28%, with the weighted average around 14%. Generally, an increase in discount rates may result in a decrease in the fair value of certain investments.

(5) Includes a pooled fund in the UK, that seeks a rate of return with direct or indirect linkage to UK inflation by investing in vehicles including bonds, long lease property, income strips, asset-backed securities, and index linked assets. Units are available for subscription on the first

[illegible]

Alternative Investments								

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

	(8)	2	2	
	(6)		(1)	
—	59			
Relating to assets sold during the period				
	—			
3				
—				
—				
Purchases, sales, and settlements				

[illegible]

237				\$
20				\$
—				\$
1,274				\$

The following is a description of the valuation methodologies used to measure plan assets at fair value.

Investments in publicly traded equity securities are valued using the closing price on the measurement date as reported on the stock exchange on which the individual securities are traded. For corporate, government backed debt securities, and some other investments, fair value is based on observable inputs of comparable market transactions. The valuation of certain real estate funds, insurance group annuity contracts and alternative investments, such as limited partnerships and joint ventures, may require significant management judgment and involves a level of uncertainty. The valuation is generally based on fair value as reported by the asset manager and adjusted for cash flows, if necessary. In making such an assessment, a variety of factors are reviewed by management, including, but are not limited to, the timeliness of fair value as reported by the asset manager and changes in general economic and market conditions subsequent to the last fair value reported by the asset manager. The use of different techniques or assumptions to estimate fair value could result in a different fair value measurement at the reporting date.

Cash and cash equivalents includes money market funds, which are valued based on cost, which approximates fair value. Other than those assets that have quoted prices from an active market, investments are generally classified in Level 2 or Level 3 of the fair value hierarchy based on the lowest level input that is significant to the fair value measure in its entirety. Investments measured using net asset value as a practical expedient are not categorized within the fair value hierarchy.

Plan Asset Allocations

The weighted-average target and actual asset allocations across the benefit plans at the respective measurement dates for the non-U.S. defined benefit plans were as follows:

[illegible]

Real estate and other			(1)
6.7			
6.3			
6.3			
41.7			
38.6			
37.6			
Debt securities			
57.3			
58.2			
59.2			
Cash and cash equivalents			
1.0			

			3.2	
			3.2	
			3.2	
Total			100.0	
			100.0	
			100.0	

			100.0	
			100.0	

			100.0	
			100.0	

(1) — Included in Real estate and other investments are synthetic equity swaps with equity exposure of \$396 million, which is held in the UK plans as of October 31, 2024.

For the Company's post-retirement benefit plans, approximately 80% of the plan assets are invested in cash and cash equivalents and approximately 20% in multi-asset credit investments which consists primarily of investment grade credit, emerging market debt and high yield bonds.

Investment Policy

The Company's investment strategy is to seek a competitive rate of return relative to an appropriate level of risk depending on the funded status of each plan and the timing of expected benefit payments. The majority of the plans' investment managers employ active investment management strategies with the goal of outperforming the broad markets in which they invest. Risk management practices include diversification across asset classes and investment styles and periodic rebalancing toward asset allocation targets. A number of the plans' investment managers are authorized to utilize derivatives for investment or liability exposures, and the Company may utilize derivatives to effect asset allocation changes or to hedge certain investment or liability exposures.

Asset allocation decisions are typically made by an independent board of trustees for the specific plan. Investment objectives are designed to generate returns that will enable the plan to meet its future obligations. In some countries, local regulations may restrict asset allocations, typically leading to a higher percentage of investment in fixed income securities than would otherwise be deployed. The Company reviews the investment strategy and provides a recommended list of investment managers for each country plan, with final decisions on asset allocation and investment managers made by the board of trustees or investment committees for the specific plan.

Basis for Expected Long-Term Rate of Return on Plan Assets

The expected long-term rate of return on plan assets reflects the expected returns for each major asset class in which the plan invests and the weight of each asset class in the target mix. Expected asset returns reflect the current yield on government bonds, risk premiums for each asset class and expected real returns, which considers each country's specific inflation outlook. Because the Company's investment policy is to employ primarily active investment managers who seek to outperform the broader market, the expected returns are adjusted to reflect the expected additional returns, net of fees.

Employer Contributions and Funding Policy

During fiscal 2024, the Company contributed approximately \$172 million to its non-U.S. pension plans and paid \$4 million to cover benefit claims under the Company's post-retirement benefit plans.

During fiscal 2025, the Company expects to contribute approximately \$189 million to its non-U.S. pension plans and an additional \$1 million to cover benefit payments to U.S. non-qualified plan participants. In addition, the Company expects to pay approximately \$6 million to cover benefit claims for its post-retirement benefit plans. The Company's policy is to fund its pension plans so that it makes at least the minimum contribution required by various authorities including local government and taxing authorities.

Estimated Future Benefits Payments

As of October 31, 2024, estimated future benefits payments for the Company's retirement plans were as follows:

Fiscal year			Defined Benefit Plans			Post-Retirement Benefit Plans		

\$

609		
	10	2026
554		2027
	568	2028
11		2029
	592	2030
12		2031
	609	2032
13		2033
	Next five fiscal years to October 31, 2034	\$
3,114		\$
	72	\$

20600000019600000010.04

The Company's net pension and post-retirement benefit costs that were directly attributable to the eligible employees, retirees and other former employees of Hewlett Packard Enterprise and recognized in the Consolidated Statements of Earnings for fiscal 2024, 2023 and 2022 are presented in the table below.

	2024	2023	2022
Defined Benefit Plans			
Post-Retirement Benefit Plans			
Service cost			

[illegible]

[illegible]

	(4)	
(6)	(2)	
Prior service benefit	(8)	
(10)	(10)	
—	—	
Net periodic benefit cost (credit)	47	
50		
52		

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

Settlement			
(18)		(29)	
—		—	
340		636	
Currency impact		Fair value—end of year	
\$		\$	
11,007		9,879	
\$		\$	
76			

[illegible]

Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">—		
Service cost		
49		
53		
Interest cost		
408		
386		
9		
8		
26		
24		
6		

[illegible]

[illegible]

1	Times New Roman	10	256	9,362	162	148	Funded status at end of year	751	517	(86)	(80)

[illegible]

[illegible]

2.6		2.9		—		—		2.5		2.4		4.8		5.3	
Interest crediting rate															

0.0380.0440.0560.0650.0260.029000.0250.0240.0480.053

The net amounts recognized for defined benefit and post-retirement benefit plans in the Company's Consolidated Balance Sheets were as follows:

width:1.0%		width:45.829%		width:0.1%		width:1.0%		width:11.619%		width:0.1%		width:0.1%		width:0.530%		width:11.619%		width:0.1%		width:0.1%		width:1.0%		width:11.619%		width:0.1%		width:0.1%		width:1.0%		width:11.624%		width:0.1%	
As of October 31,																																			

2024		
2023		
2024		
2023		
Defined Benefit Plans		
Post-Retirement Benefit Plans		
In millions		
Non-current assets		
\$	1,555	
\$	1,313	
\$		
\$		
\$		
\$		
Current liabilities		
(52)		

[illegible]

86000000-80000000<div style="margin-bottom:8pt;margin-top:8pt;text-align:justify;text-indent:24.75pt">The following table summarizes the pre-tax net actuarial loss and prior service benefit recognized in accumulated other comprehensive loss for the defined benefit plans, activity for the post-retirement benefit plans were immaterial:</div><div style="margin-top:5pt;text-align:justify"><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:81.502%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:16.298%"></td><td style="width:0.1%"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">As of October 31, 2024</td><td colspan="3" style="display:none"></td><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">Defined
Benefit Plans</td><td colspan="3" style="display:none"></td><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">In millions</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><tr><td colspan="3" style="background-color:#e6e6ff;padding:2px 1pt;text-align:left;vertical-align:bottom">Net actuarial loss</td><td colspan="3" style="background-color:#e6e6ff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$</td><td colspan="3" style="background-color:#e6e6ff;padding:2px 0;text-align:right;vertical-align:bottom">2,478</td><td colspan="3" style="background-color:#e6e6ff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">Prior service benefit</td><td colspan="2" style="padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">14</td><td colspan="3" style="padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#e6e6ff;padding:2px 1pt;text-align:left;vertical-align:bottom">Total recognized in accumulated other comprehensive loss</td><td colspan="3" style="background-color:#e6e6ff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$</td><td colspan="3" style="background-color:#e6e6ff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">2,492</td><td colspan="3" style="background-color:#e6e6ff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr></table></div>-2478000000140000002492000000<div style="margin-top:8pt;text-indent:24.75pt">Defined benefit plans with projected benefit obligations exceeding the fair value of plan assets were as follows:</div><div style="margin-top:5pt"><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:72.730%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.619%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.621%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr></table></div>

As of October 31,

	2024	2023
In millions		
Aggregate fair value of plan assets	\$	\$
	506	1,969
Aggregate projected benefit obligation	\$	\$
	1,212	2,765

506000000196900000012120000002765000000

Defined benefit plans with accumulated benefit obligations exceeding the fair value of plan assets were as follows:

	1.0%	72.730%	0.1%	1.0%	11.619%	0.1%	0.1%	0.530%	0.1%
	1.0%	11.621%	0.1%						
	As of October 31,								

height:100%";</td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-bottom:1pt solid #000000;border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"></td><td colspan="9" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">In millions</td></tr><tr><td colspan="3" style="background-color:#cceeef;padding:2px 1pt;text-align:left;vertical-align:bottom">Aggregate fair value of plan assets</td><td style="background-color:#cceeef;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$</td><td style="background-color:#cceeef;padding:2px 0;text-align:right;vertical-align:bottom">2,274 </td><td style="background-color:#cceeef;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeef;padding:0 1pt"></td><td style="background-color:#cceeef;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$</td><td style="background-color:#cceeef;padding:2px 0;text-align:right;vertical-align:bottom">1,969 </td><td style="background-color:#cceeef;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">Aggregate accumulated benefit obligation</td><td style="padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$</td><td style="padding:2px 0;text-align:right;vertical-align:bottom">3,076 </td><td style="padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="padding:0 1pt"></td><td style="padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$</td><td style="padding:2px 0;text-align:right;vertical-align:bottom">2,675 </td><td style="padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table>

</div>2274000000196900000030760000002675000000The table below sets forth the fair value of non-U.S. defined benefit plan assets by asset category within the fair value hierarchy as of October 31, 2024 and 2023. <div style="margin-top:13pt"><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:99.269%"><tr><td style="width:1.0%"></td><td style="width:31.300%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:6.705%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.536%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:6.705%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.536%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:6.705%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.536%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:6.705%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.536%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:6.713%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"></td><td colspan="21" style="padding:2px 1pt;text-align:center;vertical-align:bottom"><span style="color:#000000;font-family:'Times New

[illegible]

[illegible]

[illegible]

[illegible]

4,768		—		3,883		—		3,883	
—		—		—		—		—	
—		—		—		—		—	
—		—		—		—		—	
—		—		—		—		—	
—		—		—		—		—	
—		—		—		—		—	
—		—		—		—		—	
—		—		—		—		—	
—		—		—		—		—	
—		—		—		—		—	
—		—		—		—		—	
—		—		—		—		—	
—		—		—		—		—	
—		—		—		—		—	
—		—		—		—		—	
—		—		—		—		—	
—		—		—		—		—	
—		—		—		—		—	
—		—		—		—		—	
—		—		—		—		—	
—		—		—		—		—	
—		—		—		—		—	
—		—		—		—		—	
—		—		—		—		—	
—		—		—		—		—	
—		—		—		—		—	
—		—		—		—		—	
—		—		—		—		—	
—		—		—		—		—	
—		—		—		—		—	
—		—		—		—		—	
—		—		—		—		—	
—		—		—		—		—	
—		—		—		—		—	
—		—		—		—		—	
—		—		—		—		—	
—		—		—		—		—	
—		—		—		—		—	
—		—		—		—		—	
—		—		—		—		—	
—		—		—		—		—	
—		—		—		—		—	
—		—		—		—		—	
—		—		—		—		—	
—		—		—		—		—	
—		—		—		—		—	
—		—		—		—		—	
—		—		—		—		—	
—		—		—		—		—	
—		—		—		—		—	
—		—		—		—		—	
—		—		—		—		—	
—		—		—		—		—	
—		—		—		—		—	
—		—		—		—		—	
—		—		—		—		—	
—		—		—					

1,460

Alternative investments

Private Equity

(3)

—

6

276

282

—

5

41

46

Hybrids

(4)

[illegible]

[illegible]

[illegible]

327

237

584

Insurance Group Annuity Contracts

—

93

21

114

—

88

20

108

Cash and Cash Equivalents

157

194

—

[illegible]

[illegible]

[illegible]

recovery rate would be less than 100%, discount rates, and internal rate of return (IRR). The yields ranged from 6% to 21%, with the weighted average around 10%. In the prior year, the yields ranged from 6% to 22%, with the weighted average around 10%. The discount rates ranged from 3% to 5%, with the weighted average around 4%. In the prior year, the discount rates ranged from 4% to 5%, with the weighted average around 4%. The IRR ranged from 1% to 38%, with the main weighted average around 9%. In the prior year, the IRR ranged from 5% to 21%, with the main weighted average around 10%. Generally, an increase in yield and discounted rates may result in a decrease in the fair value of certain investments.

(3) Includes funds, primarily in the UK, held in non-marketable, limited partnership interests which invest in a broad range of infrastructure and infrastructure-related assets. Primary valuation techniques for level 3 investments include the market, income or cost approach. Significant unobservable inputs include discount rate and EV/EBITDA multiples. Discount rates ranged from 8% to 13%, with the weighted average around 10%. The EV/EBITDA multiples ranged from 6.5x to 37.9x, with the weighted average ranging from 9.2x to 36.3x. Generally, an increase in discount rates may result in a decrease in the fair value of certain investments. The EV/EBITDA ratio generally indicates the number of times investors are willing to pay for a company's EBITDA valuation.

(4) Includes funds, primarily in the UK, that invest in both private and public equities, as well as emerging markets across all sectors. The funds also hold fixed income and derivative instruments to hedge interest rate and inflation risk. In addition, the funds include units in transferable securities, collective investment schemes, money market funds, asset-backed income, cash, and deposits. Primary valuation techniques for level 3 investments include discounted cash flows and book value or net asset value. Significant unobservable inputs include discount rates. The discount rates ranged from 3% to 38%, with the weighted average around 17%. In the prior year, the discount rates ranged from 3% to 28%, with the weighted average around 14%. Generally, an increase in discount rates may result in a decrease in the fair value of certain investments.

(5) Includes a pooled fund in the UK, that seeks a rate of return with direct or indirect linkage to UK inflation by investing in vehicles including bonds, long lease property, income strips, asset-backed securities, and index linked assets. Units are available for subscription on the first business day of each calendar month at net asset value. There are no redemption restrictions or future commitments on these investments.

(6) Common Contractual Funds are investment arrangements in which institutional investors pool their assets. Units may be acquired in four different sub-funds focused on equities, fixed income, alternative investments, and emerging markets. Each sub-fund is invested in accordance with the fund's investment objective and units are issued in relation to each sub-fund. While the sub-funds are not publicly traded, the custodian strikes a net asset value either once or twice a month, depending on the sub-fund. There are no redemption restrictions or future commitments on these investments.

(7) Includes funds, primarily in Germany, that invest in a diversified portfolio of European real estate assets exposed to logistics real estate properties, food retailing properties, residential and commercial properties, and properties under development. Primary valuation techniques for level 3 investments include the income capitalization approach and cost approach. Significant unobservable inputs include rental yield and IRR. The rental yield rates ranged from 4% to 7%, with the weighted average around 5%. In the prior year, the rental yield rates ranged from 4% to 6%, with the weighted average around 4%. The IRR ranged from 0% to 4%, with the main weighted average around 1%. In the prior year, the IRR ranged from 5% to 8%, with the main weighted average around 7%. Generally, an increase in rental yield rates may result in a decrease in the fair value of certain investments. A higher IRR generally signifies a greater fair value as it implies a greater potential rate of return over the life of an investment.

height:120%")>(8)Includes life insurance investment policies, unsettled transactions, and derivative instruments. As of October 31, 2024, the derivative instruments include synthetic equity swaps held by the UK plans with equity exposure of \$396 million.</div>654000000600000000714000000543000000120000000555000000125000000190000000031517120000000-17120000000-13480000000-134800000094800000064120000001503000000110070000009120000005591000000127400000098'; style="margin-top:8pt;text-align:justify;text-indent:24.75pt">Changes in fair value measurements of Level 3 investments for the non-U.S. defined benefit plans were as follows: </div><div style="margin-top:5pt;text-align:justify"><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:42.759%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:7.818%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.384%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:7.818%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.384%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:7.671%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.384%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:7.818%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.384%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:7.671%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.384%"></td><td style="width:0.1%"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td style="width:1.0%"></td><td style="width:7.825%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"> </td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">For the fiscal year ended October 31, 2024</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"> </td><td colspan="3" style="border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">Alternative Investments</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom"> </td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom"> </td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom"> </td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"> </td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Debt-Other</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">Private
Equity</td><td colspan="3" style="border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="border-bottom:1pt solid #000000;border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">Hybrids</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-bottom:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">Real
Estate
Funds</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-bottom:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom"><span style="color:#000000;font-family:'Times New

[illegible]

[illegible]

[illegible]

\$

264	21	1,503

<td style="width: 1.0%">	<td style="width: 33.256%">	<td style="width: 0.1%">	<td style="width: 1.0%">	<td style="width: 7.671%">	<td style="width: 0.1%">	<td style="width: 0.1%">	<td style="width: 0.384%">	<td style="width: 0.1%">	<td style="width: 1.0%">	<td style="width: 7.671%">	<td style="width: 0.1%">	<td style="width: 0.1%">	<td style="width: 0.384%">	<td style="width: 0.1%">	<td style="width: 1.0%">	<td style="width: 7.818%">	<td style="width: 0.1%">	<td style="width: 0.1%">	<td style="width: 0.530%">	<td style="width: 0.1%">	<td style="width: 1.0%">	<td style="width: 7.671%">	<td style="width: 0.1%">	<td style="width: 0.1%">	<td style="width: 0.530%">	<td style="width: 0.1%">	<td style="width: 1.0%">	<td style="width: 7.525%">	<td style="width: 0.1%">	<td style="width: 0.1%">	<td style="width: 0.530%">	<td style="width: 0.1%">	<td style="width: 1.0%">	<td style="width: 7.671%">	<td style="width: 0.1%">	<td style="width: 0.1%">	<td style="width: 0.530%">	<td style="width: 0.1%">	<td style="width: 1.0%">	<td style="width: 7.829%">	<td style="width: 0.1%">

			For the fiscal year ended October 31, 2023																																						
			<td colspan="3" style="border-top: 1pt solid #000; padding: 0 1pt">			<td colspan="3" style="border-top: 1pt solid #000; padding: 0 1pt">			Alternative Investments									<td colspan="3" style="border-top: 1pt solid #000; padding: 0 1pt">						<td colspan="3" style="border-top: 1pt solid #000; padding: 0 1pt">						<td colspan="3" style="border-top: 1pt solid #000; padding: 0 1pt">						<td colspan="3" style="border-top: 1pt solid #000; padding: 0 1pt">					

			Debt-Other					
			Private Equity					
			Hybrids					
			Real Estate			Funds		
			Insurance Group			Annuities		
			Other					
Total								
Balance at beginning of year								
\$						932		
\$						46		
\$						182		
\$						164		
\$								

[illegible]

[illegible]

[illegible]

height:100%">1,274 </td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table></div>799000000041000000177000000237000000200000000127400000027000000-30000006000000-14000000100000017000000040000000-1000000030000000-810000002340000001400000042000000020900000074500000027600000019700000026400000021480000002000000-6000000-1000000059000000003000000000003000000-2050000000-7000000790000000-1000000-134000000799000000410000001770000002370000002000000001274000000<div style="margin-bottom:8pt;text-align:justify">The following is a description of the valuation methodologies used to measure plan assets at fair value. </div><div style="margin-bottom:8pt;margin-top:8pt;text-align:justify;text-indent:24.75pt">Investments in publicly traded equity securities are valued using the closing price on the measurement date as reported on the stock exchange on which the individual securities are traded. For corporate, government backed debt securities, and some other investments, fair value is based on observable inputs of comparable market transactions. The valuation of certain real estate funds, insurance group annuity contracts and alternative investments, such as limited partnerships and joint ventures, may require significant management judgment and involves a level of uncertainty. The valuation is generally based on fair value as reported by the asset manager and adjusted for cash flows, if necessary. In making such an assessment, a variety of factors are reviewed by management, including, but are not limited to, the timeliness of fair value as reported by the asset manager and changes in general economic and market conditions subsequent to the last fair value reported by the asset manager. The use of different techniques or assumptions to estimate fair value could result in a different fair value measurement at the reporting date.Cash and cash equivalents includes money market funds, which are valued based on cost, which approximates fair value. Other than those assets that have quoted prices from an active market, investments are generally classified in Level 2 or Level 3 of the fair value hierarchy based on the lowest level input that is significant to the fair value measure in its entirety. Investments measured using net asset value as a practical expedient are not categorized within the fair value hierarchy.</div><div style="margin-top:8pt;text-align:justify;text-indent:24.75pt">The weighted-average target and actual asset allocations across the benefit plans at the respective measurement dates for the non-U.S. defined benefit plans were as follows:</div><div style="margin-bottom:5pt;text-align:justify"><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:60.449%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:14.543%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:9.572%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:9.576%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom"></td><td colspan="15" style="border-bottom:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">Defined Benefit Plans</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom"></td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="9" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">Plan Assets</td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"><div style="text-align:center">2024 Target Allocation</div></td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-top:1pt solid

2023		
Public equity securities	21.4	%
Private/hybrid equity securities	21.8	%
Real estate and other	10.5	%
Equity-related investments	9.5	%
Real estate and other	6.7	%
Equity-related investments	6.3	%
Equity-related investments	41.7	%

[illegible]

#000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">%</td><td colspan="3" style="background-color:#eeeeff;padding:0 1pt"></td><td colspan="2" style="background-color:#eeeeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">100.0 </td><td style="background-color:#eeeeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">%</td></tr></table></div><div style="margin-top:3pt;text-align:justify"><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:19.444%"><tr><td style="width:1.0%"></td><td style="width:98.900%"></td><td style="width:0.1%"></td></tr><tr style="height:3pt"><td colspan="3" style="border-bottom:1pt solid #000000;padding:0 1pt"></td></tr></table></div><div style="margin-bottom:8pt;padding-left:18pt;text-align:justify;text-indent:-18pt">(1) — Included in Real estate and other investments are synthetic equity swaps with equity exposure of \$396 million, which is held in the UK plans as of October 31, 2024.</div>0.2140.2180.1050.0950.0670.0630.4170.3860.3760.5730.5820.5920.0100.0320.0321.0001.00Investment Policy</div><div style="margin-bottom:8pt;margin-top:8pt;text-align:justify;text-indent:24.75pt">The Company's investment strategy is to seek a competitive rate of return relative to an appropriate level of risk depending on the funded status of each plan and the timing of expected benefit payments. The majority of the plans' investment managers employ active investment management strategies with the goal of outperforming the broad markets in which they invest. Risk management practices include diversification across asset classes and investment styles and periodic rebalancing toward asset allocation targets. A number of the plans' investment managers are authorized to utilize derivatives for investment or liability exposures, and the Company may utilize derivatives to effect asset allocation changes or to hedge certain investment or liability exposures.</div><div style="margin-bottom:8pt;margin-top:8pt;text-align:justify;text-indent:24.75pt">Asset allocation decisions are typically made by an independent board of trustees for the specific plan. Investment objectives are designed to generate returns that will enable the plan to meet its future obligations. In some countries, local regulations may restrict asset allocations, typically leading to a higher percentage of investment in fixed income securities than would otherwise be deployed. The Company reviews the investment strategy and provides a recommended list of investment managers for each country plan, with final decisions on asset allocation and investment managers made by the board of trustees or investment committees for the specific plan.</div><div style="margin-bottom:8pt;margin-top:8pt;text-align:justify">Basis for Expected Long-Term Rate of Return on Plan Assets</div><div style="margin-bottom:8pt;margin-top:8pt;text-align:justify;text-indent:24.75pt">The expected long-term rate of return on plan assets reflects the expected returns for each major asset class in which the plan invests and the weight of each asset class in the target mix. Expected asset returns reflect the current yield on government bonds, risk premiums for each asset class and expected real returns, which considers each country's specific inflation outlook. Because the Company's investment policy is to employ primarily active investment managers who seek to outperform the broader market, the expected returns are adjusted to reflect the expected additional returns, net of fees.</div>172000000400000018900000010000006000000<div style="margin-bottom:8pt;margin-top:8pt;text-align:justify;text-indent:24.75pt">As of October 31, 2024, estimated future benefits payments for the Company's retirement plans were as follows:</div><div style="margin-bottom:8pt;margin-top:13pt;text-align:justify"><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:72.730%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.619%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.621%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">Fiscal year</td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">

[illegible]

height:100%">13 </td><td style="background-color:#ceefff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="padding:2px 1pt 2px 7pt;text-align:left;vertical-align:bottom">Next five fiscal years to October 31, 2034</td><td style="padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$</td><td style="padding:2px 0;text-align:right;vertical-align:bottom">3,114</td><td style="padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="padding:0 1pt"></td><td style="padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$</td><td style="padding:2px 0;text-align:right;vertical-align:bottom">72</td><td style="padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table></div>6090000001000000055400000011000000568000000110000005920000001200000060900000

Based Compensation<div style="margin-bottom:8pt;margin-top:8pt;text-align:justify;text-indent:24.75pt">On April 14, 2021 (the "Approval Date"), shareholders of the Company approved the Hewlett Packard Enterprise Company 2021 Stock Incentive Plan (the "2021 Plan") that replaced the Company's 2015 Stock Incentive Plan (the "2015 Plan"). The 2021 Plan provides for the grant of various types of awards including restricted stock awards, stock options and performance-based awards. These awards generally vest over 3 years from the grant date. The maximum number of shares asof the Approval Date that may be delivered to the participants under the 2021 Plan shall not exceed 7 million shares, plus 35.8 million shares that were available for grant under the 2015 Plan and any awards granted under the 2015 Plan prior to the </div><div style="margin-bottom:8pt;margin-top:8pt;text-align:justify">Approval Date that were cash-settled, forfeited, terminated, or lapsed after the Approval Date. On April 5, 2022, April 5, 2023 and April 10, 2024, shareholders of the Company approved amendments to the 2021 Plan thereby increasing the overall number of shares available for issuance by 15 million shares, 18 million shares, and 22 million shares, respectively. As of October 31, 2024, the Company had remaining authorization of 38.5 million shares under the 2021 Plan. </div><div style="margin-bottom:8pt;margin-top:8pt;text-align:justify">Stock-Based Compensation Expense</div><div style="margin-top:8pt;text-align:justify;text-indent:24.75pt">Stock-based compensation expense and the resulting tax benefits were as follows:</div><div style="margin-top:5pt;text-align:justify"><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:top;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:59.280%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.619%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.619%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.622%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"></td><td colspan="15" style="padding:2px 1pt;text-align:center;vertical-align:bottom">For the fiscal years ended October 31,</td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-bottom:1pt solid #000000;border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-bottom:1pt solid #000000;border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2022</td></tr></table></div>

	In millions
Stock-based compensation expense	\$ 430
	\$ 428
	\$ 391
Income tax benefit	(96)
	(92)
	(75)
Stock-based compensation expense, net of tax	\$ 334
	\$ 336
	\$

[illegible]

Roman'

161	
Selling, general and administrative	223
220	
202	
\$	
430	
\$	
428	
\$	
391	

Effective November 1, 2015, the Company adopted the Hewlett Packard Enterprise Company 2015 Employee Stock Purchase Plan ("ESPP"). The total number of shares of Company's common stock authorized under the ESPP was 80 million. The ESPP allows eligible employees to contribute up to 10% of their eligible compensation to purchase Hewlett Packard Enterprise's common stock. The ESPP provides for a

discount not to exceed 15% and an offering period up to 24 months. The Company currently offers 6-month offering periods during which employees have the ability to purchase shares at 95% of the closing market price on the purchase date. No stock-based compensation expense was recorded in connection with those purchases, as the criteria of a non-compensatory plan were met.

Restricted Stock Units

Restricted stock units have forfeitable dividend equivalent rights equal to the dividend paid on common stock. Restricted stock units do not have the voting rights of common stock, and the shares underlying restricted stock units are not considered issued and outstanding upon grant. The fair value of the restricted stock units is the closing price of the Company's common stock on the grant date of the award. The Company expenses the fair value of restricted stock units ratably over the period during which the restrictions lapse.

	Year ended October 31, 2024:	Year ended October 31, 2023:	Year ended October 31, 2022:	Year ended October 31, 2021:
Shares	54,389	29,930	16	Vested
Weighted-Average Grant Date Fair Value Per Share	\$15	\$16	\$16	\$16
In thousands	54.4	29.9	16.0	16.0
Outstanding at beginning of year	54.4	29.9	16.0	16.0
Granted and replacement awards for acquisitions	29.9	16.0	16.0	16.0
Expired or otherwise terminated	(29.9)	(16.0)	(16.0)	(16.0)
Total	54.4	29.9	16.0	16.0

Forfeited/canceled (3,461) 15	16	55,613
Outstanding at end of year 16		

The total grant date fair value of restricted stock awards vested for Company employees in fiscal 2024, 2023, and 2022 was \$348 million, \$319 million and \$262 million, respectively. As of October 31, 2024, there was \$342 million of unrecognized pre-tax stock-based compensation expense related to unvested restricted stock units, which the Company expects to recognize over the remaining weighted-average vesting period of 1.3 years.

Performance Restricted Units

The Company issues performance restricted units (“PSU”) that vest on the satisfaction of service and performance conditions. The fair value of the PSUs is the closing price of the Company's common stock on the grant date of the award. The Company also issues performance-adjusted restricted stock units (“PARSU”) that vest only on the satisfaction of service, performance and market conditions. The Company estimates the fair value of PARSU's subject to performance-contingent vesting conditions using the Monte Carlo simulation model. The expenses associated with these performance restricted units were not material for any of the periods presented.

Stock Options

Stock options granted under the Plan are generally non-qualified stock options, but the Plan permits some options granted to qualify as incentive stock options under the U.S. Internal Revenue Code. The exercise price of a stock option is equal to the closing price of the Company's common stock on the option grant date. The majority of the stock options issued by the Company contain only service vesting conditions. The Company has also issued performance-contingent stock options that vest only on the satisfaction of both service and market conditions. The Company did not issue stock options in fiscal 2024, 2023, and 2022. The expenses associated with stock options were not material for any of the periods presented.

The Company utilizes the Black-Scholes-Merton option pricing formula to estimate the fair value of

stock options subject to service-based vesting conditions. The Company estimates the fair value of stock options subject to performance-contingent vesting conditions using a combination of a Monte Carlo simulation model and a lattice model, as these awards contain market conditions.

P3Y70000003580000015000000180000002200000038500000

Stock-based compensation expense and the resulting tax benefits were as follows:

For the fiscal years ended October 31,																				
			2024			2023			2022			In millions								
			Stock-based compensation expense			\$			430											
			\$			428						\$			391					
			Income tax benefit			(96)						(96)								

(92)

(75)		
Stock-based compensation expense, net of tax		
\$		
334		
336		
316		

4300000004280000003910000009600000092000000750000003340000003360000003160000

Stock-based compensation expense as presented in the table above is recorded within the following cost and expense lines in the Consolidated Statements of Earnings.

			For the fiscal years ended October 31,														

[illegible]

[illegible]

October 31,

2024	2023	2022
In millions		
U.S.		
\$		
765		
(1,105)		
(1,138)		
Non-U.S.		
2,188		
3,335		
2,014		
2,953		

\$

2,230					\$	876	

The Provision for taxes on Net earnings from operations were as follows:

 			For the fiscal years ended October 31,																	
 			 																	
2024			2023			2022			In millions											
U.S. federal taxes:			 																	
			 															 		
Current			\$																	

[illegible]

Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%>State taxes:</td><td colspan="3" style="background-color:#e6e6ff;padding:0 1pt"></td><td colspan="3" style="background-color:#e6e6ff;padding:0 1pt"></td><td colspan="3" style="background-color:#e6e6ff;padding:0 1pt"></td><td colspan="3" style="background-color:#e6e6ff;padding:0 1pt"></td></tr><tr><td colspan="3" style="padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:bottom">Current</td><td colspan="2" style="padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">15</td><td colspan="3" style="padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="2" style="padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">16</td><td colspan="3" style="padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="2" style="padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(43)</td><td colspan="3" style="padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:bottom">Deferred</td><td colspan="2" style="background-color:#e6e6ff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">12</td><td colspan="3" style="background-color:#e6e6ff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#e6e6ff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(2)</td><td colspan="3" style="background-color:#e6e6ff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#e6e6ff;padding:0 1pt"></td><td colspan="2" style="background-color:#e6e6ff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(8)</td><td colspan="3" style="background-color:#e6e6ff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$</td><td colspan="3" style="border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">374</td><td colspan="3" style="border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$</td><td colspan="3" style="border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">205</td><td colspan="3" style="border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$</td><td colspan="3" style="border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">8</td><td colspan="3" style="border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table></div><div style="margin-top:8pt;text-align:justify;text-indent:24.75pt">The differences between the U.S. federal statutory income tax rate and the Company's effective tax rate were as follows:</div><div style="margin-bottom:8pt;margin-top:5pt;text-align:justify"><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:59.280%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.619%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.619%"></td><td>

[illegible]

	(1.3)	%	
	(4.4)	%	
	(0.9)	%	
Valuation allowance	(1.3)	%	
	(2.8)	%	
	(31.5)	%	
U.S. permanent differences	(4.0)	%	
	(1.5)	%	
	6.0	%	
U.S. R&D credit	(1.8)	%	

(2.1)

(5.1)

(0.3)

(2.0)

(15.6)

Goodwill impairment

—

21.5

Other, net

—

0.1

12.7

9.2

0.9

The jurisdictions with favorable tax rates that had the most significant impact on the Company's effective tax rate in the periods presented include Puerto Rico and Singapore.

In fiscal 2024, the Company recorded \$43 million of net income tax charges related to various items discrete to the year. These amounts primarily included \$104 million of income tax charges resulting from the gain on the partial disposition of H3C Technologies Co., Limited ("H3C"), which included \$215 million of U.S. and foreign income tax charges offset by \$111 million of income tax benefit for the release of an uncertain tax benefit related to the prior divestiture, partially offset by \$54 million of income tax benefits related to transformation costs, and acquisition, disposition and other related charges and \$11 million of net excess tax benefits related to stock-based compensation.

In fiscal 2023, the Company recorded \$131 million of net income tax benefits related to various items discrete to the year. These amounts primarily included \$104 million of income tax benefits related to transformation costs, and acquisition, disposition and other related charges and \$19 million of net excess tax benefits related to stock-based compensation.

In fiscal 2022, the Company recorded \$454 million of net income tax benefits related to various items discrete to the year. These amounts primarily included \$150 million of income tax benefits related to releases of foreign valuation allowances, \$99 million of income tax benefits related to transformation costs, and acquisition, disposition and other related charges, \$43 million of income tax benefits related to the settlement of U.S. tax audit matters, \$42 million of income tax benefits related to the release of U.S. passive foreign tax credit valuation allowances, \$30 million of income tax benefits related to the change in pre-separation tax liabilities, primarily those for which the Company shared joint and several liability with HP Inc. and for which the Company was indemnified by HP Inc., \$27 million of income tax benefits related to the utilization of capital losses which had a full valuation allowance, \$12 million of income tax benefits as a result of the fiscal 2021 U.S. tax return filing primarily from the decrease in GILTI, and \$11 million of net income tax benefits related to settlements and ongoing discussions in foreign tax audit matters.

As a result of certain employment actions and capital investments the Company has undertaken, income from manufacturing and services in certain countries is subject to reduced tax rates through 2039. The gross foreign income tax benefits attributable to these actions and investments were \$356 million (\$0.27 diluted net EPS) in fiscal 2024, \$857 million (\$0.65 diluted net EPS) in fiscal 2023, and \$832 million (\$0.63 diluted net EPS) in fiscal 2022. Refer to Note 16, "Net Earnings Per Share" for details on shares used to compute diluted net EPS.</div><div style="margin-top:8pt;text-align:justify">Uncertain Tax Positions</div><div style="margin-top:8pt;text-align:justify;text-indent:24.75pt">A reconciliation of unrecognized tax benefits is as follows:</div><div style="text-align:justify"><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:59.280%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.619%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.619%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.622%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"></td><td colspan="15" style="padding:2px 1pt;text-align:center;vertical-align:bottom">As of October 31,</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"></td><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-bottom:1pt solid #000000;border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td><td colspan="3" style="border-bottom:1pt solid #000000;border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2022</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"></td><td colspan="15" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom"></td><td colspan="15" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom"></td><td colspan="3" style="background-color:#e6e6ff;padding:2px 1pt;text-align:left;vertical-align:bottom">Balance at beginning of year</td><td style="background-color:#e6e6ff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$</td><td style="background-color:#e6e6ff;padding:2px 0;text-align:right;vertical-align:bottom">672</td><td style="background-color:#e6e6ff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#e6e6ff;padding:0 1pt"></td><td style="background-color:#e6e6ff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$</td><td style="background-color:#e6e6ff;padding:2px 0;text-align:right;vertical-align:bottom">674</td><td style="background-color:#e6e6ff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#e6e6ff;padding:0 1pt"></td><td style="background-color:#e6e6ff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$</td><td style="background-color:#e6e6ff;padding:2px 0;text-align:right;vertical-align:bottom">2,131</td><td style="background-color:#e6e6ff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table></div>

Increases:		
60		67
81		116
20		41
Decreases:		
(113)		(2)
(48)		
(48)		
Statute of limitations expiration		

[illegible]

674	

Up to \$344 million, \$354 million and \$386 million of the Company's unrecognized tax benefits at October 31, 2024, 2023 and 2022, respectively, would affect its effective tax rate if realized in their respective periods. During the first quarter of fiscal 2022, the Company effectively settled with the U.S. Internal Revenue Service ("IRS") for fiscal 2016, primarily contributing to the reduction in the Company's unrecognized tax benefits of \$1.5 billion, which was predominantly related to the timing of intercompany royalty revenue recognition which does not affect the Company's effective tax rate.

The Company recognizes interest income from favorable settlements and interest expense and penalties accrued on unrecognized tax benefits in Provision for taxes in the Consolidated Statements of Earnings. The Company recognized \$2 million of interest expense and \$25 million and \$55 million of interest income in fiscal 2024, 2023, and 2022, respectively. As of October 31, 2024 and 2023, the Company had accrued \$58 million and \$56 million, respectively, for interest and penalties in the Consolidated Balance Sheets.

The Company is subject to income tax in the U.S. and approximately 80 other countries and is subject to routine corporate income tax audits in many of these jurisdictions.

The Company engages in continuous discussion and negotiation with taxing authorities regarding tax matters in various jurisdictions. The Company is no longer subject to U.S. federal tax audits for years prior to 2017. The IRS is conducting audits of the Company's fiscal 2017 through 2022 U.S. federal income tax returns. During fiscal 2023, the IRS issued notices of proposed adjustments ("NOPAs") for fiscal 2017, 2018, and 2019 relating to HPE's intercompany transfer pricing. During the first quarter of fiscal 2024, the IRS issued a Revenue Agent Report ("RAR") finalizing their position on the NOPAs for the same issues and same fiscal years. However, HPE disagreed with the IRS' adjustments and believes the positions taken on its tax returns are more likely than not to prevail on technical merits, and has continued with settlement discussions with the IRS. During the third quarter of fiscal 2024, the Company submitted a formal settlement offer to the IRS to facilitate the closing of the audit and recorded increased reserves for unrecognized tax benefits of \$122 million. The impact of the increase in reserves is almost entirely offset with a valuation allowance release, and the net impact to income tax expense for fiscal 2024 was not material. It is reasonably possible that the IRS audit for fiscal 2017 through 2019 may be concluded in the next 12 months, and it is reasonably possible that existing unrecognized tax benefits related to these years may be reduced by an amount up to \$358 million within the next 12 months, the majority of which relates to adjustments to foreign tax credits that carry a full valuation

allowance or to the timing of intercompany royalty revenue recognition, neither of which affects the Company's effective tax rate.

With respect to major state and foreign tax jurisdictions, the Company is no longer subject to tax authority examinations for years prior to 2005. However, it is reasonably possible that certain foreign tax issues may be concluded in the next 12 months, including issues involving resolution of certain intercompany transactions and other matters. The Company believes it is reasonably possible that its existing unrecognized tax benefits may be reduced by an amount up to \$6 million within the next 12 months.

The Company believes it has provided adequate reserves for all tax deficiencies or reductions in tax benefits that could result from federal, state and foreign tax audits. The Company regularly assesses the likely outcomes of these audits in order to determine the appropriateness of the Company's tax provision. The Company adjusts its uncertain tax positions to reflect the impact of negotiations, settlements, rulings, advice of legal counsel, and other information and events pertaining to a particular audit. However, income tax audits are inherently unpredictable and there can be no assurance that the Company will accurately predict the outcome of these audits. The amounts ultimately paid on resolution of an audit could be materially different from the amounts previously included in the

Provision for taxes and therefore the resolution of one or more of these uncertainties in any particular period could have a material impact on net earnings or cash flows.

The Company has not provided for U.S. federal and state income and foreign withholding taxes on \$9.3 billion of undistributed earnings and basis differences from non-U.S. operations as of October 31, 2024 because the Company intends to reinvest such earnings indefinitely outside of the U.S. Determination of the amount of unrecognized deferred tax liability related to these earnings and basis differences is not practicable. The Company will remit non-indefinitely reinvested earnings of its non-U.S. subsidiaries for which deferred U.S. state income and foreign withholding taxes have been provided where excess cash has accumulated and the Company determines that it is advantageous for business operations, tax or cash management reasons.

Deferred Income Taxes

Deferred income taxes result from temporary differences between the amount of assets and liabilities recognized for financial reporting and tax purposes.

The significant components of deferred tax assets and deferred tax liabilities were as follows:

	2024	2023
Deferred tax assets:	\$5,692	\$5,692
Loss and credit carryforwards	(1)	(1)
	\$5,692	\$5,692

[illegible]

799		
658		
Intangible assets		
251		
107		
Capitalized R&D		
81		
44		
Lease liabilities		
253		
209		
Other		
262		
196		
7,842		
Total deferred tax assets		
7,850		

Valuation allowance			(1)
(5,204)			
(5,428)			
Total deferred tax assets net of valuation allowance			
2,638			
2,422			
Deferred tax liabilities:			
Unremitted earnings of foreign subsidiaries			
(229)			
(190)			
ROU assets			
(236)			
(192)			
Fixed assets			
(150)			
(102)			

color:#ffffff;padding:2px 1pt 2px 12.25pt;text-align:left;vertical-align:bottom">Total deferred tax liabilities</td><td colspan="2" style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(615)</td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(484)</td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeef;padding:2px 1pt 2px 25.75pt;text-align:left;vertical-align:bottom">Net deferred tax assets and liabilities</td><td style="background-color:#cceeef;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$</td><td style="background-color:#cceeef;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">2,023</td><td style="background-color:#cceeef;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeef;padding:0 1pt"></td><td style="background-color:#cceeef;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$</td><td style="background-color:#cceeef;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">1,938</td><td style="background-color:#cceeef;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table></div><div style="text-align:justify"><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:19.444%"><tr><td style="width:1.0%"></td><td style="width:98.900%"></td><td style="width:0.1%"></td></tr><tr style="height:3pt"><td colspan="3" style="border-bottom:1pt solid #000000;padding:0 1pt"></td></tr></table></div><div style="margin-bottom:8pt;padding-left:18pt;text-align:justify;text-indent:18pt">(1)Fiscal 2023 amounts have been reclassified to conform to the current period presentation.</div><div style="margin-top:8pt;text-align:justify;text-indent:24.75pt">Deferred tax assets and liabilities included in the Consolidated Balance Sheets are as follows:</div><div style="margin-top:5pt;text-align:justify"><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:72.730%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.619%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.621%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">As of October 31,</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td></tr></table></div>

align:bottom">In millions</td></tr><tr><td colspan="3" style="background-color:#e6e6ff;padding:2px 1pt;text-align:left;vertical-align:bottom">Deferred tax assets</td><td style="background-color:#e6e6ff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$</td><td style="background-color:#e6e6ff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">2,396</td><td style="background-color:#e6e6ff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#e6e6ff;padding:0 1pt"></td><td style="background-color:#e6e6ff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$</td><td style="background-color:#e6e6ff;padding:2px 0;text-align:right;vertical-align:bottom">2,264</td><td style="background-color:#e6e6ff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">Deferred tax liabilities</td><td colspan="2" style="padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(373)</td><td style="padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="2" style="padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(326)</td><td style="padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#e6e6ff;padding:2px 1pt;text-align:left;vertical-align:bottom">Deferred tax assets net of deferred tax liabilities</td><td style="background-color:#e6e6ff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$</td><td style="background-color:#e6e6ff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">2,023</td><td style="background-color:#e6e6ff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#e6e6ff;padding:0 1pt"></td><td style="background-color:#e6e6ff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$</td><td style="background-color:#e6e6ff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">1,938</td><td style="background-color:#e6e6ff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table></div><div style="margin-bottom:8pt;margin-top:8pt;text-align:justify;text-indent:24.75pt">As of October 31, 2024, the Company had \$269 million, \$2.9 billion and \$20.1 billion of federal, state and foreign net operating loss carryforwards, respectively. Amounts included in state and foreign net operating loss carryforwards will begin to expire in 2025; federal net operating losses can carry forward indefinitely. The Company has provided a valuation allowance of \$145 million and \$3.8 billion for deferred tax assets related to state and foreign net operating losses carryforwards, respectively. As of October 31, 2024, the Company also had \$20 million, \$81 million, and \$91 million of federal, state, and foreign capital loss carryforwards, respectively. Amounts included in federal and state capital loss carryforwards will begin to expire in 2028; foreign capital losses can carry forward indefinitely. The Company has provided a valuation allowance of \$5 million and \$27 million for deferred tax assets related to state and foreign capital loss carryforwards, respectively.</div><div style="margin-bottom:8pt;margin-top:8pt;text-align:justify;text-indent:24.75pt">As of October 31, 2024, the Company had recorded deferred tax assets for various tax credit carryforwards as follows:</div><div style="margin-top:8pt;text-align:justify"><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:56.648%"></td><td

[illegible]

New Roman'<\/span><\/td><td style="background-color:#e6e6ff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"><\/td><td colspan="3" style="background-color:#e6e6ff;padding:0 1pt"><\/td><td colspan="3" style="background-color:#e6e6ff;padding:2px 1pt;text-align:right;vertical-align:bottom">2028<\/span><\/td><\/tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Balance at end of year<\/span><\/td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$<\/span><\/td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">1,075<\/span><\/td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"><\/td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"><\/td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$<\/span><\/td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">(825)<\/span><\/td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"><\/td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"><\/td><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:right;vertical-align:bottom"><\/span><\/td><\/tr><\/table><\/div><div style="margin-top:8pt;text-align:justify;text-indent:24.75pt">Total valuation allowances decreased by \$224 million in fiscal 2024, primarily as a result of the utilization of certain non-U.S. loss carryforwards which had full valuation allowances, the impact on fully valued U.S. foreign tax credits as a result of the change in uncertain tax benefits, the recording of valuation allowances on certain non-U.S. tax credits, and the release of certain foreign valuation allowances.<\/span><\/div><div style="margin-top:8pt;text-align:justify">Tax Matters Agreement and Other Income Tax Matters<\/span><\/div><div style="margin-bottom:8pt;margin-top:8pt;text-align:justify;text-indent:24.75pt">In connection with the completed separations and mergers of the former Enterprise Services business with DXC Technology Company ("DXC") (the "Everett Transaction" or "Everett") and the Software Segment with Micro Focus International plc ("Micro Focus") (the "Seattle Transaction" or "Seattle"), the Company entered into a DXC Tax Matters Agreement with DXC and a Micro Focus Tax Matters Agreement with Micro Focus, respectively. See Note 18, "Guarantees and Indemnifications," for a description of the DXC Tax Matters Agreement and Micro Focus Tax Matters Agreement.<\/span><\/div><div style="margin-top:8pt;text-align:justify;text-indent:24.75pt">The domestic and foreign components of Net earnings (loss) from operations before taxes were as follows:<\/span><\/div><div style="margin-bottom:3pt;margin-top:5pt;text-align:justify"><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"><\/td><td style="width:59.280%"><\/td><td style="width:0.1%"><\/td><td style="width:1.0%"><\/td><td style="width:11.619%"><\/td><td style="width:0.1%"><\/td><td style="width:0.1%"><\/td><td style="width:0.530%"><\/td><td style="width:0.1%"><\/td><td style="width:1.0%"><\/td><td style="width:11.619%"><\/td><td style="width:0.1%"><\/td><td style="width:0.1%"><\/td><td style="width:0.530%"><\/td><td style="width:0.1%"><\/td><td style="width:1.0%"><\/td><td style="width:11.622%"><\/td><td style="width:0.1%"><\/td><\/tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"><\/span><\/td><td colspan="15" style="padding:2px 1pt;text-align:center;vertical-align:bottom">For the fiscal years ended October 31,<\/span><\/td><\/tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"><\/span><\/td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-

[illegible]

height:100%">2,230 </td><td style="background-color:#cceeef;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeef;padding:0 1pt"></td><td style="background-color:#cceeef;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$</td><td style="background-color:#cceeef;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">876 </td><td style="background-color:#cceeef;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table></div>765000000-1105000000-1138000000218800000033350000002014000000295300000022300000000876000000<div style="margin-bottom:8pt;margin-top:8pt;text-align:justify;text-indent:24.75pt">The Provision for taxes on Net earnings from operations were as follows:</div><div style="margin-top:5pt;text-align:justify"><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:59.280%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.619%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.619%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.622%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom"> </td><td colspan="15" style="padding:2px 1pt;text-align:center;vertical-align:bottom">For the fiscal years ended October 31,</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom"> </td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-bottom:1pt solid #000000;border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-bottom:1pt solid #000000;border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2022</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom"> </td><td colspan="15" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">In millions</td></tr><tr><td colspan="3" style="background-color:#cceeef;padding:2px 1pt;text-align:left;vertical-align:bottom">U.S. federal taxes:</td><td colspan="3" style="background-color:#cceeef;padding:2px 1pt;text-align:right;vertical-align:bottom"> </td><td colspan="3" style="background-color:#cceeef;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeef;padding:2px 1pt;text-align:right;vertical-align:bottom"> </td></tr><tr><td colspan="3" style="background-color:#cceeef;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeef;padding:2px 1pt;text-align:right;vertical-align:bottom"> </td></tr><tr><td colspan="3" style="padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:bottom">Current</td><td style="padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$</td><td style="padding:2px 0;text-align:right;vertical-align:bottom">8 </td><td>

[illegible]

style="background-color:#e6e6ff;padding:0 1pt"></td><td colspan="3" style="background-color:#e6e6ff;padding:0 1pt"></td><td colspan="3" style="background-color:#e6e6ff;padding:0 1pt"></td></tr><tr><td colspan="3" style="padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:bottom">Current</td><td colspan="2" style="padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">15</td><td style="padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="2" style="padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">16</td><td style="padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="2" style="padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(43)</td><td style="padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#e6e6ff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:bottom">Deferred</td><td colspan="2" style="background-color:#e6e6ff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">12</td><td style="background-color:#e6e6ff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#e6e6ff;padding:0 1pt"></td><td colspan="2" style="background-color:#e6e6ff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(2)</td><td style="background-color:#e6e6ff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#e6e6ff;padding:0 1pt"></td><td colspan="2" style="background-color:#e6e6ff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(8)</td><td style="background-color:#e6e6ff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td style="border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$</td><td style="border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">374</td><td style="border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="padding:0 1pt"></td><td style="border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$</td><td style="border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">205</td><td style="border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="padding:0 1pt"></td><td style="border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$</td><td style="border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">8</td><td style="border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table></div>800000000120000000-1200000000-880000000-980000000415000000025600000002880000000440000000230000000-1430000000150000000160000000-430000000120000000-20000000-800000003740000000205000000080000000<div style="margin-top:8pt;text-align:justify;text-indent:24.75pt">The differences between the U.S. federal statutory income tax rate and the Company's effective tax rate were as follows:</div><div style="margin-bottom:8pt;margin-top:5pt;text-align:justify"><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:59.280%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.619%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td>

[illegible]

[illegible]

[illegible]

weight:400;line-height:100%">0.1</td><td style="background-color:#ceeeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">%</td><td colspan="3" style="background-color:#ceeeff;padding:0 1pt"></td><td colspan="2" style="background-color:#ceeeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">2.7</td><td style="background-color:#ceeeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">%</td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">12.7</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">%</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">9.2</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">%</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">0.9</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">%</td></tr></table></div>0.2100.2100.2100.0040.0090.028-0.013-0.044-0.009-0.013-0.028-0.315-0.040-0.0150.0600.0180.0210.051-0.003-0.020-0.156000.21500.0010.0270.1270.0920.0094300000001040000000215000000-111000000-5400000011000000-131000000-10400000019000000-454000000-150000000-99000000-43000000-42000000-30000000-27000000120000001100000003560000000.278570000000.658320000000.63<div style="margin-top:8pt;text-align:justify;text-indent:24.75pt">A reconciliation of unrecognized tax benefits is as follows:</div><div style="text-align:justify"><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:top;bottom:width:100.000%"><tr><td style="width:1.0%"></td><td style="width:59.280%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.619%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.619%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.622%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"></td><td colspan="15" style="padding:2px 1pt;text-align:center;vertical-align:bottom">As of October 31,</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-bottom:1pt solid #000000;border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-bottom:1pt solid #000000;border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2022</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"><span

In millions																	
Balance at beginning of year			\$			672											
\$			674														
\$			2,131														
Increases:																	
For current year's tax positions																	
60																	
67																	
81																	
For prior years' tax positions																	
116																	
20																	
41																	

Decreases:		
(113)	(2)	(2)
Statute of limitations expiration		
(4)	(4)	(4)
Settlements with taxing authorities		
(7)	(83)	(1,491)
Settlements related to joint and several positions indemnified by HP Inc.		
—		

Balance at end of year

\$	724	672	674

The significant components of deferred tax assets and deferred tax liabilities were as follows:

As of October 31,			
2024	2023	In millions	Deferred tax assets:

Loss and credit carryforwards			(1)
5,692			
5,936			
Inventory valuation			
78			
90			
Intercompany prepayments			
192			
325			
Warranty			
45			
49			
Employee and retiree benefits			
162			
184			

Restructuring	27	52	Deferred revenue	799	658	Intangible assets	251	107	Capitalized R&D	81	44	Lease liabilities	253	209	Other	262	196

		Total deferred tax assets	7,842
			7,850
		Valuation allowance	(1)
			(5,204)
			(5,428)
		Total deferred tax assets net of valuation allowance	2,638
			2,422
		Deferred tax liabilities:	
		Unremitted earnings of foreign subsidiaries	(229)
			(190)
		ROU assets	(236)

2px 1pt;text-align:right;vertical-align:bottom">(192)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ceeeff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:bottom">Fixed assets</td><td colspan="2" style="background-color:#ceeeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(150)</td><td style="background-color:#ceeeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ceeeff;padding:0 1pt"></td><td colspan="2" style="background-color:#ceeeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(102)</td><td style="background-color:#ceeeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 12.25pt;text-align:left;vertical-align:bottom">Total deferred tax liabilities</td><td colspan="2" style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(615)</td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(484)</td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ceeeff;padding:2px 1pt 2px 25.75pt;text-align:left;vertical-align:bottom">Net deferred tax assets and liabilities</td><td style="background-color:#ceeeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$</td><td style="background-color:#ceeeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">2,023</td><td style="background-color:#ceeeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ceeeff;padding:0 1pt"></td><td style="background-color:#ceeeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$</td><td style="background-color:#ceeeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">1,938</td><td style="background-color:#ceeeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table></div>(1)Fiscal 2023 amounts have been reclassified to conform to the current period presentation.56920000005936000000780000009000000019200000032500000045000000490000001 style="margin-top:8pt;text-align:justify;text-indent:24.75pt">Deferred tax assets and liabilities included in the Consolidated Balance Sheets are as follows:</div><div style="margin-top:5pt;text-align:justify"><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:72.730%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.619%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.621%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">As of October 31,</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New

[illegible]

2028

Balance at end of year	\$	1,075	(825)	

Total valuation allowances decreased by \$224 million in fiscal 2024, primarily as a result of the utilization of certain non-U.S. loss carryforwards which had full valuation allowances, the impact on fully valued U.S. foreign tax credits as a result of the change in uncertain tax benefits, the recording of valuation allowances on certain non-U.S. tax credits, and the release of certain foreign valuation allowances.

64800000064800000023000000001970000001770000001075000000825000000224000000

Sheet Details

Cash, Cash Equivalents and Restricted Cash

Cash, Cash Equivalents and Restricted Cash	2024	2023	In millions
Cash and cash equivalents	\$	14,846	

[illegible]

[illegible]

[illegible]

(17)

Balance at end of year		
10	37	25
25		

The Company has third-party revolving short-term financing arrangements intended to facilitate the working capital requirements of certain customers. The Company recorded an obligation of \$62 million, \$80 million and \$88 million in Notes payable and short-term borrowings in its Consolidated Balance Sheets as of October 31, 2024, 2023 and 2022, respectively, related to the trade receivables sold and collected from the third-party for which the revenue recognition was deferred. For arrangements involving an element of recourse, the fair value of the recourse obligation is measured using market data from similar transactions and reported as a current liability in Other accrued liabilities in the Consolidated Balance Sheets.

The activity related to Hewlett Packard Enterprise's revolving short-term financing arrangements was as follows:

2024	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008	2007	2006	2005	2004	2003	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975	1974	1973	1972	1971	1970	1969	1968	1967	1966	1965	1964	1963	1962	1961	1960	1959	1958	1957	1956	1955	1954	1953	1952	1951	1950	1949	1948	1947	1946	1945	1944	1943	1942	1941	1940	1939	1938	1937	1936	1935	1934	1933	1932	1931	1930	1929	1928	1927	1926	1925	1924	1923	1922	1921	1920	1919	1918	1917	1916	1915	1914	1913	1912	1911	1910	1909	1908	1907	1906	1905	1904	1903	1902	1901	1900	1899	1898	1897	1896	1895	1894	1893	1892	1891	1890	1889	1888	1887	1886	1885	1884	1883	1882	1881	1880	1879	1878	1877	1876	1875	1874	1873	1872	1871	1870	1869	1868	1867	1866	1865	1864	1863	1862	1861	1860	1859	1858	1857	1856	1855	1854	1853	1852	1851	1850	1849	1848	1847	1846	1845	1844	1843	1842	1841	1840	1839	1838	1837	1836	1835	1834	1833	1832	1831	1830	1829	1828	1827	1826	1825	1824	1823	1822	1821	1820	1819	1818	1817	1816	1815	1814	1813	1812	1811	1810	1809	1808	1807	1806	1805	1804	1803	1802	1801	1800	1799	1798	1797	1796	1795	1794	1793	1792	1791	1790	1789	1788	1787	1786	1785	1784	1783	1782	1781	1780	1779	1778	1777	1776	1775	1774	1773	1772	1771	1770	1769	1768	1767	1766	1765	1764	1763	1762	1761	1760	1759	1758	1757	1756	1755	1754	1753	1752	1751	1750	1749	1748	1747	1746	1745	1744	1743	1742	1741	1740	1739	1738	1737	1736	1735	1734	1733	1732	1731	1730	1729	1728	1727	1726	1725	1724	1723	1722	1721	1720	1719	1718	1717	1716	1715	1714	1713	1712	1711	1710	1709	1708	1707	1706	1705	1704	1703	1702	1701	1700	1699	1698	1697	1696	1695	1694	1693	1692	1691	1690	1689	1688	1687	1686	1685	1684	1683	1682	1681	1680	1679	1678	1677	1676	1675	1674	1673	1672	1671	1670	1669	1668	1667	1666	1665	1664	1663	1662	1661	1660	1659	1658	1657	1656	1655	1654	1653	1652	1651	1650	1649	1648	1647	1646	1645	1644	1643	1642	1641	1640	1639	1638	1637	1636	1635	1634	1633	1632	1631	1630	1629	1628	1627	1626	1625	1624	1623	1622	1621	1620	1619	1618	1617	1616	1615	1614	1613	1612	1611	1610	1609	1608	1607	1606	1605	1604	1603	1602	1601	1600	1599	1598	1597	1596	1595	1594	1593	1592	1591	1590	1589	1588	1587	1586	1585	1584	1583	1582	1581	1580	1579	1578	1577	1576	1575	1574	1573	1572	1571	1570	1569	1568	1567	1566	1565	1564	1563	1562	1561	1560	1559	1558	1557	1556	1555	1554	1553	1552	1551	1550	1549	1548	1547	1546	1545	1544	1543	1542	1541	1540	1539	1538	1537	1536	1535	1534	1533	1532	1531	1530	1529	1528	1527	1526	1525	1524	1523	1522	1521	1520	1519	1518	1517	1516	1515	1514	1513	1512	1511	1510	1509	1508	1507	1506	1505	1504	1503	1502	1501	1500	1499	1498	1497	1496	1495	1494	1493	1492	1491	1490	1489	1488	1487	1486	1485	1484	1483	1482	1481	1480	1479	1478	1477	1476	1475	1474	1473	1472	1471	1470	1469	1468	1467	1466	1465	1464	1463	1462	1461	1460	1459	1458	1457	1456	1455	1454	1453	1452	1451	1450	1449	1448	1447	1446	1445	1444	1443	1442	1441	1440	1439	1438	1437	1436	1435	1434	1433	1432	1431	1430	1429	1428	1427	1426	1425	1424	1423	1422	1421	1420	1419	1418	1417	1416	1415	1414	1413	1412	1411	1410	1409	1408	1407	1406	1405	1404	1403	1402	1401	1400	1399	1398	1397	1396	1395	1394	1393	1392	1391	1390	1389	1388	1387	1386	1385	1384	1383	1382	1381	1380	1379	1378	1377	1376	1375	1374	1373	1372	1371	1370	1369	1368	1367	1366	1365	1364	1363	1362	1361	1360	1359	1358	1357	1356	1355	1354	1353	1352	1351	1350	1349	1348	1347	1346	1345	1344	1343	1342	1341	1340	1339	1338	1337	1336	1335	1334	1333	1332	1331	1330	1329	1328	1327	1326	1325	1324	1323	1322	1321	1320	1319	1318	1317	1316	1315	1314	1313	1312	1311	1310	1309	1308	1307	1306	1305	1304	1303	1302	1301	1300	1299	1298	1297	1296	1295	1294	1293	1292	1291	1290	1289	1288	1287	1286	1285	1284	1283	1282	1281	1280	1279	1278	1277	1276	1275

2022		
In millions		
Balance at beginning of period	(1)	
\$		
83		
\$		
163		
\$		
336		
Trade receivables sold		
3,098		
4,097		
4,130		
Cash receipts		
(3,190)		
(4,185)		
(4,292)		
Foreign currency and other		

9 </td><td style="padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="2" style="padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">8 </td><td style="padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="2" style="padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(11)</td><td style="padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeef;padding:2px 1pt;text-align:left;vertical-align:bottom"><div>Balance at end of period(1</div></td><td style="background-color:#cceeef;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$</td><td style="background-color:#cceeef;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">—</td><td style="background-color:#cceeef;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeef;padding:0 1pt"></td><td style="background-color:#cceeef;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$</td><td style="background-color:#cceeef;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">83</td><td style="background-color:#cceeef;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeef;padding:0 1pt"></td><td style="background-color:#cceeef;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$</td><td style="background-color:#cceeef;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">163</td><td style="background-color:#cceeef;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table></div><div style="text-align:justify"><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:19.444%"><tr><td style="width:1.0%"></td><td style="width:98.900%"></td><td style="width:0.1%"></td></tr><tr style="height:3pt"><td colspan="3" style="border-bottom:1pt solid #000000;padding:0 1pt"></td></tr></table></div><div style="margin-bottom:8pt;padding-left:18pt;text-align:justify;text-indent:-18pt">(1)Beginning and ending balances represent amounts for trade receivables sold but not yet collected. </div><div style="margin-top:8pt;text-align:justify">Inventory</div><div style="margin-top:5pt;text-align:justify"><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:72.730%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.619%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.621%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">As of October 31,</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px

[illegible]

As of October 31,			2024			2023			In millions			Land			\$			66			\$			66			Buildings and leasehold improvements			1,696		1,521			Machinery and equipment, including equipment held for lease			10,392		10,382			Gross property, plant and equipment			12,154		11,969		

[illegible]

2023		
In millions		
Financing receivables, net		
\$	5,583	
\$	5,028	
Deferred tax assets		
	2,396	
	2,264	
Prepaid pension		
	1,555	
	1,313	
ROU assets		
	1,408	
	980	
Other		
	1,674	

height:100%">1,792 </td><td style="background-color:#ccccff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 12.25pt;text-align:left;vertical-align:bottom">Total</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">12,616 </td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">11,377 </td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table></div><div style="margin-bottom:8pt;margin-top:8pt;text-align:justify">Supplier Financing Arrangements</div><div style="margin-bottom:8pt;margin-top:8pt;text-align:justify;text-indent:24.75pt">The Company enters into supplier financing arrangements with external financial institutions. Under these arrangements, suppliers can choose to settle outstanding payment obligations at a discount. The Company holds no economic interest in suppliers' participation, nor does it provide guarantees or pledge assets under these arrangements. Invoices are settled with the financial institutions based on the original supplier payment terms. These arrangements do not alter the Company's rights and obligations towards suppliers, including scheduled payment terms. Liabilities associated with the funded participation in these arrangements, are presented within Accounts Payable on the Consolidated Balance Sheets, amounted to \$466 million, and \$295 million as of October 31, 2024 and October 31, 2023, respectively. </div><div style="margin-bottom:8pt;margin-top:8pt;text-align:justify">Other Accrued Liabilities</div><div style="margin-top:5pt;text-align:justify"><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:72.730%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.619%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.621%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">As of October 31,</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-bottom:1pt solid #000000;border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"></td><td colspan="9" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">In millions</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccccff;padding:2px 1pt;text-align:left;vertical-align:bottom">Sales and marketing programs</td><td colspan="3" style="background-

[illegible]

167

Collateral payable	90	207
Other	1,281	1,274
Total	\$	4,530
		4,161

Other Non-Current Liabilities

As of October 31,	2024

[illegible]

[illegible]

In millions		
Balance at beginning of year		
\$	318	
\$	360	
\$	327	
Charges		
173		
184		
238		
Adjustments related to pre-existing warranties		
(5)		
(18)		
(2)		
Settlements made		
(185)		
(208)		

[illegible]

[illegible]

536			
Deferred revenue	3,904		
Deferred revenue	3,658		
Deferred revenue – non-current	3,578		
Other non-current liabilities	3,281		
Total deferred revenue	7,482		
	6,939		

In fiscal 2024, approximately \$3.5 billion of revenue was recognized relating to contract liabilities recorded as of October 31, 2023.

height:120%">Revenue allocated to remaining performance obligations represents contract work that has not yet been performed and does not include contracts where the customer is not committed. Remaining performance obligations estimates are subject to change and are affected by several factors, including contract terminations, changes in the scope of contracts, adjustments for revenue that has not materialized and adjustments for currency. As of October 31, 2024, the aggregate amount of deferred revenue, was \$7.5 billion. The Company expects to recognize approximately 50% of this balance over fiscal 2025 with the remainder to be recognized thereafter. The Company receives payments in advance of completion of its contractual obligations, these payments are considered customer deposits. As customer acceptance milestones are met, the Company will recognize revenue and reduce the amount of contract liabilities. As of October 31, 2024, the aggregate amount of customer deposits was \$296 million. The Company expects to recognize \$289 million over fiscal 2025 and the remaining balance thereafter.</div><div style="margin-bottom:8pt;margin-top:3pt;text-align:justify;text-indent:24.75pt">Costs to obtain a Contract</div><div style="margin-bottom:8pt;margin-top:8pt;text-align:justify;text-indent:24.75pt">As of October 31, 2024, the current and non-current portions of the capitalized costs to obtain a contract were \$88 million and \$136 million, respectively. As of October 31, 2023, the current and non-current portions of the capitalized costs to obtain a contract were \$86 million and \$138 million, respectively. The current and non-current portions of the capitalized costs to obtain a contract were included in Other current assets, and Long-term financing receivables and other assets, respectively, in the Consolidated Balance Sheets. In fiscal 2024, 2023, and 2022 the Company amortized \$106 million, \$94 million, and \$83 million, respectively, of the capitalized costs to obtain a contract which are included in Selling, general and administrative expense in the Consolidated Statements of Earnings.</div><div style="margin-top:8pt;text-align:justify">Cash, Cash Equivalents and Restricted Cash</div><div style="margin-top:13pt;text-align:justify"><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:bottom;bottom:width:100.000%"><tr><td style="width:1.0%"></td><td style="width:72.730%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.619%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.621%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">As of October 31,</td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-bottom:1pt solid #000000;border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">In millions</td></tr><tr><td colspan="3" style="background-color:#cceeef;padding:2px 1pt;text-align:left;vertical-align:bottom">Cash and cash equivalents</td><td style="background-color:#cceeef;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$</td><td style="background-color:#cceeef;padding:2px 0;text-align:right;vertical-align:bottom">14,846</td><td style="background-color:#cceeef;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeef;padding:0 1pt"></td><td style="background-color:#cceeef;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$</td><td style="background-color:#cceeef;padding:2px 0;text-align:right;vertical-align:bottom">4,270</td><td style="background-color:#cceeef;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">Restricted cash</td><td colspan="2" style="padding:2px 0

2px 1pt;text-align:right;vertical-align:bottom">259 </td><td style="padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">311 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeef;padding:2px 1pt 2px 12.25pt;text-align:left;vertical-align:bottom">Total</td><td style="background-color:#cceeef;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$</td><td style="background-color:#cceeef;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">15,105 </td><td style="background-color:#cceeef;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeef;padding:0 1pt"></td><td style="background-color:#cceeef;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$</td><td style="background-color:#cceeef;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">4,581 </td><td style="background-color:#cceeef;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table></div>148460000004270000000259000000311000000151050000004581000000<div style="margin-top:8pt;text-align:justify">Accounts Receivable, Net</div><div style="margin-top:5pt;text-align:justify"><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:72.730%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.619%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.621%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">As of October 31,</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-top:1pt solid #000000;border-bottom:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"></td><td colspan="9" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">In millions</td></tr><tr><td colspan="3" style="background-color:#cceeef;padding:2px 1pt;text-align:left;vertical-align:bottom">Accounts receivable</td><td style="background-color:#cceeef;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$</td><td style="background-color:#cceeef;padding:2px 0;text-align:right;vertical-align:bottom">3,236 </td><td style="background-color:#cceeef;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeef;padding:0 1pt"></td><td style="background-color:#cceeef;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">

Unbilled receivable 3,254

Allowances (10)	(37)	Total
3,550	3,481	3,550

The allowance for doubtful accounts related to accounts receivable and changes therein were as follows:

32360000003254000000324000000264000000100000003700000035500000003481000000

As of October 31,

2024			
2023			
2022			
In millions			
Balance at beginning of year			
\$			
			37
\$			
			25
\$			
			23
Provision for credit losses			
			41
			29
			25
Adjustments to existing allowances, including write offs			
			(68)
			(17)

[illegible]

[illegible]

[illegible]

<table border="1" style="background-color:#e0e0e0;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">
 <tr>
 <td colspan="3" style="background-color:#e0e0e0;padding:0 1pt">
 <td colspan="3" style="background-color:#e0e0e0;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">
 \$
 <td style="background-color:#e0e0e0;padding:2px 0;text-align:right;vertical-align:bottom">
 2,940
 <td style="background-color:#e0e0e0;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">
 </td>
 </tr>
 <tr>
 <td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">
 Finished goods
 <td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">
 2,369
 <td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">
 </td>
 <td colspan="3" style="background-color:#ffffff;padding:0 1pt">
 <td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">
 1,667
 <td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">
 </td>
 </tr>
 <tr>
 <td colspan="3" style="background-color:#e0e0e0;padding:2px 1pt 2px 12.25pt;text-align:left;vertical-align:bottom">
 Total
 <td colspan="2" style="background-color:#e0e0e0;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">
 \$
 <td colspan="2" style="background-color:#e0e0e0;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">
 7,810
 <td colspan="2" style="background-color:#e0e0e0;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">
 </td>
 <td colspan="3" style="background-color:#e0e0e0;padding:0 1pt">
 <td colspan="2" style="background-color:#e0e0e0;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">
 \$
 <td colspan="2" style="background-color:#e0e0e0;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">
 4,607
 <td colspan="2" style="background-color:#e0e0e0;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">
 </td>
 </tr>
 </table>
 </div>
 544100000029400000002369000000166700000078100000004607000000
 <div style="margin-top:8pt;text-align:justify">
 Property, Plant and Equipment, net
 </div>
 <div style="margin-top:5pt;text-align:justify">
 <table border="1" style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:top;width:100.000%">
 <tr>
 <td style="width:1.0%">
 <td style="width:72.730%">
 <td style="width:0.1%">
 <td style="width:1.0%">
 <td style="width:11.619%">
 <td style="width:0.1%">
 <td style="width:0.1%">
 <td style="width:0.530%">
 <td style="width:0.1%">
 <td style="width:1.0%">
 <td style="width:11.621%">
 <td style="width:0.1%">
 </tr>
 <tr>
 <td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">

 <td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">
 As of October 31,
 </td>
 </tr>
 <tr>
 <td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">

 <td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">
 2024
 <td colspan="3" style="border-top:1pt solid #000000;border-bottom:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">
 2023
 </td>
 </tr>
 <tr>
 <td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">

 <td colspan="9" style="border-top:1pt solid #000000;padding:2px

In millions		
Land		
\$	66	
\$	66	
Buildings and leasehold improvements		
	1,696	
	1,521	
Machinery and equipment, including equipment held for lease		
	10,392	
	10,382	
Gross property, plant and equipment		
	12,154	
	11,969	
Accumulated depreciation		
	(6,490)	
	(5,980)	
Property, plant and equipment, net		

(1)

			As of October 31,									
			2024									
			2023									
			In millions									
			Financing receivables, net									
			\$									
			5,583									
			\$									
			5,028									
			Deferred tax assets									

	2,396		
	2,264		
Prepaid pension	1,555		
	1,313		
ROU assets	1,408		
	980		
Other	1,674		
	1,792		
Total	\$		
	12,616		
	\$		
	11,377		

Supplier Financing Arrangements

The Company enters into supplier financing arrangements with external financial institutions. Under these arrangements, suppliers can choose to settle outstanding payment obligations at a discount. The

Company holds no economic interest in suppliers' participation, nor does it provide guarantees or pledge assets under these arrangements. Invoices are settled with the financial institutions based on the original supplier payment terms. These arrangements do not alter the Company's rights and obligations towards suppliers, including scheduled payment terms. Liabilities associated with the funded participation in these arrangements, are presented within Accounts Payable on the Consolidated Balance Sheets, amounted to \$466 million, and \$295 million as of October 31, 2024 and October 31, 2023,
respectively.Other Accrued Liabilities</div><div style="margin-top: 5pt; text-align: justify"><table style="border-collapse: collapse; display: inline-table; margin-bottom: 5pt; vertical-align: text-bottom; width: 100.000%"><tr><td style="width: 1.0%"></td><td style="width: 72.730%"></td><td style="width: 0.1%"></td><td style="width: 1.0%"></td><td style="width: 11.619%"></td><td style="width: 0.1%"></td><td style="width: 0.1%"></td><td style="width: 0.530%"></td><td style="width: 0.1%"></td><td style="width: 1.0%"></td><td style="width: 11.621%"></td><td style="width: 0.1%"></td></tr><tr><td colspan="3" style="padding: 2px 1pt; text-align: left; vertical-align: bottom"></td><td colspan="9" style="padding: 2px 1pt; text-align: center; vertical-align: bottom">As of October 31,</td></tr><tr><td colspan="3" style="padding: 2px 1pt; text-align: left; vertical-align: bottom"></td><td colspan="3" style="border-top: 1pt solid #000000; padding: 2px 1pt; text-align: center; vertical-align: bottom">2024</td><td colspan="3" style="border-top: 1pt solid #000000; padding: 2px 1pt; text-align: center; vertical-align: bottom">2023</td></tr><tr><td colspan="3" style="padding: 2px 1pt; text-align: left; vertical-align: bottom"></td><td colspan="9" style="border-top: 1pt solid #000000; padding: 2px 1pt; text-align: center; vertical-align: bottom">In millions</td></tr><tr><td colspan="3" style="background-color: #e6e6ff; padding: 2px 1pt; text-align: left; vertical-align: bottom">Sales and marketing programs</td><td colspan="3" style="background-color: #e6e6ff; padding: 2px 0 2px 1pt; text-align: left; vertical-align: bottom">\$</td><td colspan="3" style="background-color: #e6e6ff; padding: 2px 0; text-align: right; vertical-align: bottom">1,032</td><td colspan="3" style="background-color: #e6e6ff; padding: 2px 1pt 2px 0; text-align: right; vertical-align: bottom"></td><td colspan="3" style="background-color: #e6e6ff; padding: 0 1pt"></td><td colspan="3" style="background-color: #e6e6ff; padding: 2px 0 2px 1pt; text-align: left; vertical-align: bottom">\$</td><td colspan="3" style="background-color: #e6e6ff; padding: 2px 0; text-align: right; vertical-align: bottom">1,070</td><td colspan="3" style="background-color: #e6e6ff; padding: 2px 1pt 2px 0; text-align: right; vertical-align: bottom"></td></tr><tr><td colspan="3" style="background-color: #ffffff; padding: 2px 1pt; text-align: left; vertical-align: bottom">Value-added and property taxes</td><td colspan="2" style="background-color: #ffffff; padding: 2px 0 2px 1pt; text-align: right; vertical-align: bottom">922</td><td colspan="3" style="background-color: #ffffff; padding: 2px 1pt 2px 0; text-align: right; vertical-align: bottom"></td><td colspan="3" style="background-color: #ffffff; padding: 0 1pt"></td><td colspan="2" style="background-color: #ffffff; padding: 2px 0 2px 1pt; text-align: right; vertical-align: bottom">786</td><td colspan="3" style="background-color: #ffffff; padding: 2px 1pt 2px 0; text-align: right; vertical-align: bottom"></td></tr><tr><td colspan="3" style="background-color: #e6e6ff; padding: 2px 1pt; text-align: left; vertical-align: bottom">Contract manufacturer liabilities</td><td colspan="2" style="background-

[illegible]

Other Non-Current Liabilities

As of October 31,	2024	2023
Deferred revenue	\$3,578	\$3,281
Operating lease liabilities		

1,309		
966		
Pension, post-retirement, and post-employment		
859		
841		
Deferred tax liabilities		
373		
326		
Taxes on earnings		
163		
233		
Other		
623		
899		
Total		
\$		
6,905		

height:100%">\$</td><td style="background-color:#cceeef;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">6,546 </td><td style="background-color:#cceeef;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table></div><div style="margin-bottom:8pt;margin-top:8pt;text-align:justify">Warranties</div><div style="margin-bottom:8pt;margin-top:8pt;text-align:justify;text-indent:24.75pt">The Company's aggregate product warranty liabilities and changes therein were as follows:</div><div style="margin-top:5pt;text-align:justify"><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:59.426%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.619%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.619%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.384%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.622%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"> </td><td colspan="15" style="padding:2px 1pt;text-align:center;vertical-align:bottom">As of October 31,</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"> </td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-bottom:1pt solid #000000;border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-bottom:1pt solid #000000;border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2022</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"> </td><td colspan="15" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">In millions</td></tr><tr><td colspan="3" style="background-color:#cceeef;padding:2px 1pt;text-align:left;vertical-align:bottom">Balance at beginning of year</td><td style="background-color:#cceeef;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$</td><td style="background-color:#cceeef;padding:2px 0;text-align:right;vertical-align:bottom">318 </td><td style="background-color:#cceeef;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeef;padding:0 1pt"></td><td style="background-color:#cceeef;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$</td><td style="background-color:#cceeef;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">360 </td><td style="background-color:#cceeef;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeef;padding:0 1pt"></td><td style="background-color:#cceeef;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$</td><td style="background-color:#cceeef;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">327 </td><td style="background-color:#cceeef;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-

Charges		
173	184	
238		
Adjustments related to pre-existing warranties		
(5)		
	(18)	
(2)		
Settlements made		
(185)		
	(208)	
(203)		
Balance at end of year		
(1)		
\$		
301		
\$		
318		

#000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#e6e6ff;padding:0 1pt"></td><td style="background-color:#e6e6ff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$</td><td style="background-color:#e6e6ff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">360</td><td style="background-color:#e6e6ff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table></div><div style="text-align:justify"><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:bottom;width:19.444%"><tr><td style="width:1.0%"></td><td style="width:98.900%"></td><td style="width:0.1%"></td></tr><tr style="height:3pt"><td colspan="3" style="border-bottom:1pt solid #000000;padding:0 1pt"></td></tr></table></div><div style="margin-bottom:8pt;padding-left:18pt;text-align:justify;text-indent:-18pt">(1)The Company included the current portion in Other accrued liabilities, and amounts due after one year in Other non-current liabilities in the accompanying Consolidated Balance Sheets.</div>357800000032810000001309000000966000000859000000084100000037300000032600000015000000-18000000-2000000185000000208000000203000000301000000318000000360000000<div style="margin-bottom:8pt;margin-top:8pt;text-align:justify">Contract Liabilities and Remaining Performance Obligations</div><div style="margin-bottom:8pt;margin-top:8pt;text-align:justify;text-indent:24.75pt">Contract liabilities consist of deferred revenue and customer deposits. A summary of contract liabilities were as follows:</div><div style="margin-bottom:8pt;margin-top:8pt;text-align:justify"><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:36.180%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:35.449%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.619%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.622%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">As of October 31,</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Location</td><td colspan="9" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">In millions</td></tr><tr><td colspan="3" style="background-color:#e6e6ff;padding:2px 1pt;text-align:left;vertical-align:bottom">Customer deposits</td><td colspan="3" style="background-color:#e6e6ff;border-top:1pt solid #000;padding:2px 1pt;text-align:left;vertical-align:bottom">Other accrued liabilities</td><td style="background-color:#e6e6ff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span

289

392	Customer deposits - non-current	Other non-current liabilities	7	144	Total customer deposits	296	536
Deferred revenue							
3,904							

[illegible]

[illegible]

181

The ROU assets and lease liabilities for operating and finance leases included in the Consolidated Balance Sheets were as follows:

	2024	2023
Operating Leases		
ROU Assets		
Long-term financing receivables and other assets		

[illegible]

[illegible]

[illegible]

[illegible]

As of October 31,		
2024		
2023		
Operating Leases		
Finance Leases		
Operating Leases		
Finance Leases		
Weighted-average remaining lease term (in years)		
6.7		
5.5		
7.2		
6.5		
Weighted-average discount rate		
4.4		
%		
3.5		
%		
3.8		
%		
3.5		
%		

margin-top:8pt;text-indent:24.75ptcolor:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-

height:120pt">Supplemental cash flow information related to leases was as follows:<table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:36.180%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:24.630%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:10.595%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.384%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:10.595%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.384%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:10.602%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">For the fiscal years ended October 31,</td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Cash Flow Statement Activity</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="border-bottom:1pt solid #000;border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td><td colspan="3" style="border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="border-bottom:1pt solid #000;border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">2022</td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">Cash outflows from operating leases</td><td colspan="3" style="background-color:#cfe2ff;padding:2px 1pt;text-align:left;vertical-align:bottom">Net cash used in operating activities</td><td colspan="3" style="background-color:#cfe2ff;padding:0 1pt"></td><td style="background-color:#cfe2ff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$</td><td style="background-color:#cfe2ff;padding:2px 0;text-align:right;vertical-align:bottom">274</td><td style="background-color:#cfe2ff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cfe2ff;padding:0 1pt"></td><td style="background-color:#cfe2ff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$</td><td style="background-color:#cfe2ff;padding:2px 0;text-align:right;vertical-align:bottom">219</td><td style="background-color:#cfe2ff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cfe2ff;padding:0 1pt"></td><td style="background-color:#cfe2ff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$</td><td style="background-color:#cfe2ff;padding:2px 0;text-align:right;vertical-align:bottom">214</td><td style="background-color:#cfe2ff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">ROU assets obtained in exchange for new operating lease				

[illegible]

2026		
296		7
2027		281
2028		249
2029		201
8		8
Thereafter		468
		4
Total future lease payments		
\$		1,816
		\$

[illegible]

[illegible]

size:10pt;font-weight:400;line-height:100%">\$/span></td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">181 </td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$/span></td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">175 </td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table></div><div style="margin-bottom:8pt;margin-top:8pt;text-align:justify;text-indent:24.75pt">The ROU assets and lease liabilities for operating and finance leases included in the Consolidated Balance Sheets were as follows:</div><div style="margin-top:8pt;text-align:justify"><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:35.303%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:28.724%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:15.128%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.384%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:15.131%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">As of October 31,</td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Balance Sheet Classification</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="border-bottom:1pt solid #000;border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">In millions</td></tr><tr><td colspan="3" style="background-color:#cceeef;padding:2px 1pt;text-align:left;vertical-align:bottom">Operating Leases</td><td colspan="3" style="background-color:#cceeef;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeef;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeef;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeef;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 12.25pt;text-align:left;vertical-align:middle">ROU Assets</td><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Long-term financing receivables and other assets</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$/span></td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">1,408 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table></div>

[illegible]

Finance Leases		
Finance lease ROU Assets		
Gross finance lease ROU assets		
Less: Accumulated depreciation		
(16)		
(14)		
Net finance lease ROU assets		

[illegible]

Total ROU assets

1,418	992	Total lease liabilities	\$	1,608	\$	1,203				

The weighted-average remaining lease term and the weighted-average discount rate for the operating and finance leases were as follows:

As of October 31,

2024		
2023		
Operating Leases		
Finance Leases		
Operating Leases		
Finance Leases		
Weighted-average remaining lease term (in years)		
6.7		
5.5		
7.2		
6.5		
Weighted-average discount rate		
4.4		
%		
3.5		
%		
3.8		
%		
3.5		
%		

Supplemental cash flow information related to leases was as follows:

[illegible]

\$

627

\$

251

\$

195

The following tables shows the future payments on the Company's operating and finance leases:

			As of October 31, 2024																										
Operating Leases			Finance Leases																										
Fiscal year			In millions																										
2025			\$									321									7								
2026			296																										

7	2027	281
7	2028	249
8	2029	201
8	Thereafter	468
4	Total future lease payments	\$
1,816		\$
41		

top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:bottom">Less: imputed interest</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(246)</td><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(3)</td><td colspan="2" style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeef;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:bottom">Total lease liabilities</td><td colspan="2" style="background-color:#cceeef;border-bottom:3pt double #000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$</td><td colspan="2" style="background-color:#cceeef;border-bottom:3pt double #000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">1,570</td><td colspan="2" style="background-color:#cceeef;border-bottom:3pt double #000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeef;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeef;border-bottom:3pt double #000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$</td><td colspan="2" style="background-color:#cceeef;border-bottom:3pt double #000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">38</td><td colspan="2" style="background-color:#cceeef;border-bottom:3pt double #000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table></div><div style="margin-top:8pt;text-align:justify;text-indent:24.75pt">Components of lease cost included in the Consolidated Statement of Earnings were as follows:</div><div style="margin-bottom:3pt;margin-top:8pt;text-align:justify"><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:52.554%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:13.958%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.384%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:13.958%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.384%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:13.962%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="15" style="padding:2px 1pt;text-align:center;vertical-align:bottom">For the fiscal years ended October 31,</td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="border-bottom:1pt solid #000;border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td><td colspan="3" style="border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="border-bottom:1pt solid #000;border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">2022</td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="15" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">In millions</td></tr><tr><td colspan="3" style="background-color:#cceeef;padding:2px 1pt;text-align:left;vertical-align:bottom">Operating lease cost</td><td colspan="2" style="background-color:#cceeef;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$</td><td colspan="2" style="background-color:#cceeef;padding:2px 0;text-align:right;vertical-align:bottom"></td></tr></div>

[illegible]

The weighted-average remaining lease term and the weighted-average discount rate for the operating and finance leases were as follows:

	2024	2023
Operating Leases	6.7	5.5
Finance Leases	7.2	6.5

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

5

Finance lease liabilities – non-current			
Long-term debt			
32			
38			
Total finance lease liabilities			
\$			
38			
\$			
43			
Total ROU assets			
\$			
1,418			
\$			
992			
Total lease liabilities			

double #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$</td><td style="background-color:#cceeef;border-bottom:3pt double #000;border-top:3pt double #000;padding:2px 0;text-align:right;vertical-align:bottom">1,608 </td><td style="background-color:#cceeef;border-bottom:3pt double #000;border-top:3pt double #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeef;padding:0 1pt"></td><td style="background-color:#cceeef;border-bottom:3pt double #000;border-top:3pt double #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$</td><td style="background-color:#cceeef;border-bottom:3pt double #000;border-top:3pt double #000;padding:2px 0;text-align:right;vertical-align:bottom">1,203 </td><td style="background-color:#cceeef;border-bottom:3pt double #000;border-top:3pt double #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr></table></div>1408000000980000000261000000194000000130900000096600000015700000001160000000 style="margin-top:8pt;text-align:justify;text-indent:24.75pt">The following tables shows the future payments on the Company's operating and finance leases:</div><div style="margin-top:8pt;text-align:justify"><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:72.438%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.619%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.823%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.620%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">As of October 31, 2024</td></tr><tr><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">Operating Leases</td><td colspan="3" style="border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="border-bottom:1pt solid #000000;border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">Finance Leases</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">Fiscal year</td><td colspan="9" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">In millions</td></tr><tr><td colspan="3" style="background-color:#cceeef;padding:2px 1pt;text-align:left;vertical-align:bottom">2025</td><td style="background-color:#cceeef;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$</td><td style="background-color:#cceeef;padding:2px 0;text-align:right;vertical-align:bottom">321 </td><td style="background-color:#cceeef;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeef;padding:0 1pt"></td><td style="background-color:#cceeef;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$</td><td style="background-color:#cceeef;padding:2px 0;text-align:right;vertical-align:bottom">7 </td><td style="background-color:#cceeef;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">2026</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">296 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table></div>

7	2027
281	2028
7	2028
249	2029
8	201
8	Thereafter
468	
4	
Total future lease payments	
\$	
1,816	
\$	
41	

Less: imputed interest				
(246)			(3)	
Total lease liabilities				
\$			\$	
1,570			38	
\$			\$	
38			38	

The following tables shows the future payments on the Company's operating and finance leases:

			As of October 31, 2024								
			Operating Leases								
			Finance Leases								
			Fiscal year								
			In millions								
2025			\$								
2025			321								

2025			\$	
2025			321	

[illegible]

1,816

Less: imputed interest	(246)	
Total lease liabilities		1,570
		38

3210000007000000296000000700000028100000070000002490000008000000201000000800

for Leases as a Lessor

Financing Receivables

Financing receivables represent sales-type and direct-financing leases of the Company and third-party products. These receivables typically have terms ranging from two to five years and are usually collateralized by a security interest in the underlying assets. Financing receivables also include billed receivables from operating leases. The allowance for credit losses represents future expected credit losses over the life of the receivables based on past experience, current information and forward-looking economic considerations. The components of financing receivables were as follows:

	1.0%	72.730%	0.1%	1.0%	11.619%	0.1%	0.1%	0.530%	0.1%	11.621%	0.1%

As of October 31,

2024	2023	In millions	Minimum lease payments receivable	\$	10,266	9,363	9,363	599	438	Unearned income	(1,218)	(987)	Financing receivables, gross	9,647	8,814

Allowance for credit losses		(194)		(243)										
Financing receivables, net		9,453		8,571										
Less: current portion		(3,870)												
				(3,543)										
Amounts due after one year, net		\$		5,583										
				5,028										
As of October 31, 2024, scheduled maturities of the Company's minimum lease payments receivable were as follows:														
<table> <tr> <td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>width:1.0%</td><td>width:82.379%</td><td>width:0.1%</td><td>width:1.0%</td><td>width:15.421%</td></tr> </table>										width:1.0%	width:82.379%	width:0.1%	width:1.0%	width:15.421%
width:1.0%	width:82.379%	width:0.1%	width:1.0%	width:15.421%										
As of October 31, 2024														

Fiscal year		
In millions		
2025	\$	4,282
2026		2,977
2027		1,747
2028		892
2029		277
Thereafter		
91		
Total undiscounted cash flows		
\$		10,266
Present value of lease payments (recognized as finance receivables)		
\$		

height:100%">9,048 </td><td style="background-color:#ffffff;border-top:3pt double #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#e6e6ff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:bottom">Difference between undiscounted cash flows and discounted cash flows</td><td style="background-color:#e6e6ff;border-bottom:1pt solid #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$</td><td style="background-color:#e6e6ff;border-bottom:1pt solid #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">1,218 </td><td style="background-color:#e6e6ff;border-bottom:1pt solid #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table></div><div style="margin-bottom:8pt;margin-top:8pt;text-align:justify">Sale of Financing Receivables</div><div style="margin-bottom:8pt;margin-top:8pt;text-align:justify;text-indent:24.75pt">The Company enters into arrangements to transfer the contractual payments due under certain financing receivables to third-party financial institutions. For the fiscal years ended October 31, 2024 and 2023, the Company sold \$93 million and \$237 million, respectively, of financing receivables. </div><div style="margin-top:8pt;text-align:justify">Credit Quality Indicators</div><div style="margin-bottom:8pt;margin-top:8pt;text-align:justify;text-indent:24.75pt">Due to the homogeneous nature of its leasing transactions, the Company manages its financing receivables on an aggregate basis when assessing and monitoring credit risk. Credit risk is generally diversified due to the large number of entities comprising the Company's customer base and their dispersion across many different industries and geographic regions. The Company evaluates the credit quality of an obligor at lease inception and monitors that credit quality over the term of a transaction. The Company assigns risk ratings to each lease based on the creditworthiness of the obligor and other variables that augment or mitigate the inherent credit risk of a particular transaction and periodically updates the risk ratings when there is a change in the underlying credit quality. Such variables include the underlying value and liquidity of the collateral, the essential use of the equipment, the term of the lease, and the inclusion of credit enhancements, such as guarantees, letters of credit or security deposits.</div><div style="margin-top:8pt;text-align:justify;text-indent:24.75pt">The credit risk profile of gross financing receivables, based on internal risk ratings as of October 31, 2024, presented on amortized cost basis by year of origination was as follows:</div><div style="margin-top:8pt;text-align:justify"><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:59.572%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.619%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.384%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.619%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.384%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.622%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"></td><td colspan="3" style="border-bottom:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">As of October 31, 2024</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">Risk Rating</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Low</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-bottom:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">Moderate</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-bottom:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">High</td></tr></table>

Fiscal Year		
In millions		
2024	\$	2,630
	\$	1,120
	\$	19
2023		1,804
		948
		54
2022		1,128
		665
2021		440

[illegible]

family: 'Times New Roman', sans-serif; font-size: 10pt; font-weight: 700; line-height: 100%;</td></tr><tr><td colspan=

[illegible]

[illegible]

Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">325					
style="background-color:#e0e0e0;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">					
style="background-color:#e0e0e0;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">			style="background-color:#e0e0e0;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">		
Provision for credit losses					
(1)					
50					
58					
177					
Adjustment to the existing allowance					
(4)					
—					
(10)					
Write-offs					
(95)					
(140)					
(70)					
Balance at end of period					

(1) — Fiscal 2022 included a provision of \$99 million related to expected credit losses due to the Company's exit from its Russia and Belarus businesses.

Non-Accrual and Past-Due Financing Receivables

The following table summarizes the aging and non-accrual status of gross financing receivables:

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
As of October 31,								
2024	\$194	\$243	\$325	\$325	\$325	\$325	\$325	\$325
2023	\$194	\$243	\$325	\$325	\$325	\$325	\$325	\$325
In millions	Billed:							

[illegible]

color:#ccccff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$</td><td style="background-color:#ccccff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">9,647</td><td style="background-color:#ccccff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccccff;padding:0 1pt"></td><td style="background-color:#ccccff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$</td><td style="background-color:#ccccff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">8,814</td><td style="background-color:#ccccff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"><div>Gross financing receivables on non-accrual status(2)</div></td><td style="border-top:3pt double #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$</td><td style="border-top:3pt double #000000;padding:2px 0;text-align:right;vertical-align:bottom">214</td><td style="border-top:3pt double #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="padding:0 1pt"></td><td style="border-top:3pt double #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$</td><td style="border-top:3pt double #000000;padding:2px 0;text-align:right;vertical-align:bottom">227</td><td style="border-top:3pt double #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ccccff;padding:2px 1pt;text-align:left;vertical-align:bottom"><div>Gross financing receivables 90 days past due and still accruing interest(2)</div></td><td style="background-color:#ccccff;border-bottom:3pt double #000000;border-top:3pt double #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$</td><td style="background-color:#ccccff;border-bottom:3pt double #000000;border-top:3pt double #000000;padding:2px 0;text-align:right;vertical-align:bottom">82</td><td style="background-color:#ccccff;border-bottom:3pt double #000000;border-top:3pt double #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccccff;padding:0 1pt"></td><td style="background-color:#ccccff;border-bottom:3pt double #000000;border-top:3pt double #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$</td><td style="background-color:#ccccff;border-bottom:3pt double #000000;border-top:3pt double #000000;padding:2px 0;text-align:right;vertical-align:bottom">81</td><td style="background-color:#ccccff;border-bottom:3pt double #000000;border-top:3pt double #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table></div><div style="text-align:justify"><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:19.444%"><tr><td style="width:1.0%"></td><td style="width:98.900%"></td><td style="width:0.1%"></td></tr><tr style="height:3pt"><td colspan="3" style="border-bottom:1pt solid #000000;padding:0 1pt"></td></tr></table></div><div style="margin-bottom:3pt;padding-left:18pt;text-align:justify;text-indent:-18pt">(1)Includes billed operating lease receivables and billed sales-type and direct-financing lease receivables.</div><div style="margin-bottom:3pt;padding-left:18pt;text-align:justify;text-indent:-18pt"><span

(2)

Includes billed operating lease receivables and billed and unbilled sales-type and direct-financing lease receivables.

Operating Leases

Operating lease assets included in Property, plant and equipment, net in the Consolidated Balance Sheets were as follows:

	2024	2023
In millions		
Equipment leased to customers	\$ 6,669	\$ 7,019
Accumulated depreciation	(3,037)	(2,919)
Total		

[illegible]

Thereafter

Total	3,037	\$

Statements of Earnings related to lessor activity:

width:1.0%	width:47.438%	width:0.1%	width:1.0%	width:13.958%	width:0.1%	width:0.1%	width:0.384%	width:0.1%	width:1.0%	width:10.449%	width:0.1%	width:0.1%	width:0.384%	width:0.1%	width:1.0%	width:10.449%	width:0.1%	width:0.1%	width:0.384%	width:0.1%	width:1.0%	width:10.454%	width:0.1%			

For the fiscal years ended October 31,

Location	2024	2023	2022
In millions	In millions	In millions	In millions

Interest income from sales-type leases and direct financing leases		
668		
Lease income from operating leases		
2,344		
2,407		
2,296		
Total lease income		
3,012		
2,954		

#000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeef;padding:0 1pt"></td><td style="background-color:#cceeef;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$</td><td style="background-color:#cceeef;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">2,779</td><td style="background-color:#cceeef;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table></div><div style="margin-top:8pt;text-align:justify">Variable Interest Entities</div><div style="margin-bottom:8pt;margin-top:8pt;text-align:justify;text-indent:24.75pt">The Company has issued asset-backed debt securities under a fixed-term securitization program to private investors. The asset-backed debt securities are collateralized by the U.S. fixed-term financing receivables and leased equipment in the offering, which is held by a Special Purpose Entity ("SPE"). The SPE meets the definition of a Variable Interest Entity ("VIE") and is consolidated, along with the associated debt, into the Consolidated Financial Statements as the Company is the primary beneficiary of the VIE. The SPE is a bankruptcy-remote legal entity with separate assets and liabilities. The purpose of the SPE is to facilitate the funding of customer receivables and leased equipment in the capital markets.</div><div style="margin-bottom:8pt;margin-top:8pt;text-align:justify;text-indent:24.75pt">The Company's risk of loss related to securitized receivables and leased equipment is limited to the amount by which the Company's right to receive collections for assets securitized exceeds the amount required to pay interest, principal, and fees and expenses related to the asset-backed securities.</div><div style="margin-bottom:8pt;margin-top:8pt;text-align:justify;text-indent:24.75pt">The following table presents the assets and liabilities held by the consolidated VIE as of October 31, 2024 and 2023, which are included in the Consolidated Balance Sheets. The assets in the table below include those that can be used to settle the obligations of the VIE. Additionally, general creditors do not have recourse to the assets of the VIE.</div><div style="margin-top:5pt;text-align:center"><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:71.414%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.350%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.384%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.352%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">As of October 31,</td></tr><tr><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="border-bottom:1pt solid #000;border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">Assets held by VIE:</td><td colspan="9" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">In millions</td></tr><tr><td colspan="3" style="background-color:#cceeef;padding:2px 1pt;text-align:left;vertical-align:bottom">Other current assets</td><td colspan="3" style="background-color:#cceeef;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$</td><td colspan="3" style="background-color:#cceeef;padding:2px 0;text-align:right;vertical-align:bottom">189</td><td colspan="3" style="background-color:#cceeef;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeef;padding:2px 0 2px

Times New Roman', sans-serif; font-size: 10pt; font-weight: 400; line-height: 100%; background-color: #e6e6fa; padding: 2px 0; text-align: right; vertical-align: bottom;">145	Times New Roman', sans-serif; font-size: 10pt; font-weight: 400; line-height: 100%; background-color: #e6e6fa; padding: 2px 0; text-align: left; vertical-align: bottom;">Financing receivables		
Times New Roman', sans-serif; font-size: 10pt; font-weight: 400; line-height: 100%; background-color: #e6e6fa; padding: 2px 0; text-align: left; vertical-align: bottom;">Short-term			
Times New Roman', sans-serif; font-size: 10pt; font-weight: 400; line-height: 100%; background-color: #e6e6fa; padding: 2px 0; text-align: right; vertical-align: bottom;">872			
Times New Roman', sans-serif; font-size: 10pt; font-weight: 400; line-height: 100%; background-color: #e6e6fa; padding: 2px 0; text-align: left; vertical-align: bottom;">Short-term			
Times New Roman', sans-serif; font-size: 10pt; font-weight: 400; line-height: 100%; background-color: #e6e6fa; padding: 2px 0; text-align: right; vertical-align: bottom;">764			
Times New Roman', sans-serif; font-size: 10pt; font-weight: 400; line-height: 100%; background-color: #e6e6fa; padding: 2px 0; text-align: left; vertical-align: bottom;">Long-term			
Times New Roman', sans-serif; font-size: 10pt; font-weight: 400; line-height: 100%; background-color: #e6e6fa; padding: 2px 0; text-align: right; vertical-align: bottom;">1,079			
Times New Roman', sans-serif; font-size: 10pt; font-weight: 400; line-height: 100%; background-color: #e6e6fa; padding: 2px 0; text-align: left; vertical-align: bottom;">Property, plant and equipment, net			
Times New Roman', sans-serif; font-size: 10pt; font-weight: 400; line-height: 100%; background-color: #e6e6fa; padding: 2px 0; text-align: right; vertical-align: bottom;">1,033			
Times New Roman', sans-serif; font-size: 10pt; font-weight: 400; line-height: 100%; background-color: #e6e6fa; padding: 2px 0; text-align: left; vertical-align: bottom;">Liabilities held by VIE			
Times New Roman', sans-serif; font-size: 10pt; font-weight: 400; line-height: 100%; background-color: #e6e6fa; padding: 2px 0; text-align: right; vertical-align: bottom;">1,214			
Times New Roman', sans-serif; font-size: 10pt; font-weight: 400; line-height: 100%; background-color: #e6e6fa; padding: 2px 0; text-align: left; vertical-align: bottom;">Liabilities held by VIE			

height:100%>Notes payable and short-term borrowings, net of unamortized debt issuance costs</td><td style="background-color:#e6e6ff;padding:2px 1pt;text-align:left;vertical-align:bottom">\$ </td><td style="background-color:#e6e6ff;padding:2px 0;text-align:right;vertical-align:bottom">1,433 </td><td style="background-color:#e6e6ff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#e6e6ff;padding:0 1pt"></td><td style="background-color:#e6e6ff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$ </td><td style="background-color:#e6e6ff;padding:2px 0;text-align:right;vertical-align:bottom">1,392 </td><td style="background-color:#e6e6ff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Long-term debt, net of unamortized debt issuance costs</td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$ </td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">965 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$ </td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">1,082 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table></div>

For the year ended October 31, 2024, financing receivables and leased equipment transferred via securitization through the SPE were \$1.2 billion and \$0.6 billion, respectively. For the fiscal year ended October 31, 2023, financing receivables and leased equipment transferred via securitization through the SPE were \$0.8 billion and \$0.7 billion, respectively.

The components of financing receivables were as follows:

	2024	2023
Minimum lease payments receivable	\$1,433 million	\$1,392 million
Unearned income	\$965 million	\$965 million
Deferred origination fees	\$1,082 million	\$1,082 million
Other assets	\$11,619 million	\$11,621 million
Total	\$14,500 million	\$14,069 million

In millions

	2024	2023
Minimum lease payments receivable	\$1,433 million	\$1,392 million

[illegible]

8,571

Less: current portion	(3,870)	(3,543)
Amounts due after one year, net	\$	5,583
		5,028

1026600000093630000005990000004380000001218000000987000000964700000088140000

As of October 31, 2024, scheduled maturities of the Company's minimum lease payments receivable were as follows:

	width:1.0%	width:82.379%	width:0.1%	width:1.0%	width:15.421%	width:0.1%
As of October 31, 2024						
Fiscal year						
In millions						
2025						
2026						

2,977	
2027	1,747
2028	892
2029	277
Thereafter	91
Total undiscounted cash flows	
\$	10,266
Present value of lease payments (recognized as finance receivables)	
\$	9,048
Difference between undiscounted cash flows and discounted cash flows	
\$	1,218

4282000000297700000017470000008920000002770000009100000010266000000904800000

Credit Quality Indicators

Due to the homogeneous nature of its leasing transactions, the Company manages its financing receivables on an aggregate basis when assessing and monitoring credit risk. Credit risk is generally diversified due to the large number of entities comprising the Company's customer base and their dispersion across many different industries and geographic regions. The Company evaluates the credit quality of an obligor at lease inception and monitors that credit quality over the term of a transaction. The Company assigns risk ratings to each lease based on the creditworthiness of the obligor and other variables that augment or mitigate the inherent credit risk of a particular transaction and periodically updates the risk ratings when there is a change in the underlying credit quality. Such variables include the underlying value and liquidity of the collateral, the essential use of the equipment, the term of the lease, and the inclusion of credit enhancements, such as guarantees, letters of credit or security deposits.

The credit risk profile of gross financing receivables, based on internal risk ratings as of October 31, 2024, presented on an amortized cost basis by year of origination was as follows:

	2024	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008	2007	2006	2005	2004	2003	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975	1974	1973	1972	1971	1970	1969	1968	1967	1966	1965	1964	1963	1962	1961	1960	1959	1958	1957	1956	1955	1954	1953	1952	1951	1950	1949	1948	1947	1946	1945	1944	1943	1942	1941	1940	1939	1938	1937	1936	1935	1934	1933	1932	1931	1930	1929	1928	1927	1926	1925	1924	1923	1922	1921	1920	1919	1918	1917	1916	1915	1914	1913	1912	1911	1910	1909	1908	1907	1906	1905	1904	1903	1902	1901	1900	1899	1898	1897	1896	1895	1894	1893	1892	1891	1890	1889	1888	1887	1886	1885	1884	1883	1882	1881	1880	1879	1878	1877	1876	1875	1874	1873	1872	1871	1870	1869	1868	1867	1866	1865	1864	1863	1862	1861	1860	1859	1858	1857	1856	1855	1854	1853	1852	1851	1850	1849	1848	1847	1846	1845	1844	1843	1842	1841	1840	1839	1838	1837	1836	1835	1834	1833	1832	1831	1830	1829	1828	1827	1826	1825	1824	1823	1822	1821	1820	1819	1818	1817	1816	1815	1814	1813	1812	1811	1810	1809	1808	1807	1806	1805	1804	1803	1802	1801	1800	1799	1798	1797	1796	1795	1794	1793	1792	1791	1790	1789	1788	1787	1786	1785	1784	1783	1782	1781	1780	1779	1778	1777	1776	1775	1774	1773	1772	1771	1770	1769	1768	1767	1766	1765	1764	1763	1762	1761	1760	1759	1758	1757	1756	1755	1754	1753	1752	1751	1750	1749	1748	1747	1746	1745	1744	1743	1742	1741	1740	1739	1738	1737	1736	1735	1734	1733	1732	1731	1730	1729	1728	1727	1726	1725	1724	1723	1722	1721	1720	1719	1718	1717	1716	1715	1714	1713	1712	1711	1710	1709	1708	1707	1706	1705	1704	1703	1702	1701	1700	1699	1698	1697	1696	1695	1694	1693	1692	1691	1690	1689	1688	1687	1686	1685	1684	1683	1682	1681	1680	1679	1678	1677	1676	1675	1674	1673	1672	1671	1670	1669	1668	1667	1666	1665	1664	1663	1662	1661	1660	1659	1658	1657	1656	1655	1654	1653	1652	1651	1650	1649	1648	1647	1646	1645	1644	1643	

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99

Total

	6,160		
	3,243		
	244		

The credit risk profile of gross financing receivables, based on internal risk ratings as of October 31, 2023, presented on amortized cost basis by year of origination was as follows:

As of October 31, 2023														
Risk Rating														
Low														
Moderate														
High														
Fiscal Year														

In millions		
2023		
	2,100	
	1,196	
	31	
2022		
	1,681	
	1,052	
	51	
2021		
	868	
	645	
	57	
2020		
	336	
	285	

2019 and prior

155

223

99

Total

\$

5,140

\$

3,401

\$

273

26300000000112000000019000000180400000094800000054000000112800000066500000046

The allowance for credit losses for financing receivables as of October 31, 2024, 2023, and 2022, and the respective changes for the twelve months then ended were as follows:

	2024	2023	2022
Allowance for credit losses at beginning of period	\$ 273	\$ 273	\$ 273
Provision for credit losses	\$ 1,128	\$ 1,128	\$ 1,128
Recovery of previously reserved amounts	\$ (665)	\$ (665)	\$ (665)
Allowance for credit losses at end of period	\$ 1,736	\$ 1,736	\$ 1,736

[illegible]

align:bottom">(4)</td><td style="background-color:#e6e6ff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#e6e6ff;padding:0 1pt"></td><td colspan="2" style="background-color:#e6e6ff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">—</td><td style="background-color:#e6e6ff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#e6e6ff;padding:0 1pt"></td><td colspan="2" style="background-color:#e6e6ff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(10)</td><td style="background-color:#e6e6ff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Write-offs</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(95)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(140)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(70)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#e6e6ff;padding:2px 1pt 2px 12.25pt;text-align:left;vertical-align:bottom">Balance at end of period</td><td style="background-color:#e6e6ff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$</td><td style="background-color:#e6e6ff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">194</td><td style="background-color:#e6e6ff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#e6e6ff;padding:0 1pt"></td><td style="background-color:#e6e6ff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$</td><td style="background-color:#e6e6ff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">243</td><td style="background-color:#e6e6ff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#e6e6ff;padding:0 1pt"></td><td style="background-color:#e6e6ff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$</td><td style="background-color:#e6e6ff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">325</td><td style="background-color:#e6e6ff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table></div><div style="text-align:justify"><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:bottom;width:19.883%"><tr><td style="width:1.0%"></td><td style="width:98.900%"></td><td style="width:0.1%"></td></tr><tr style="height:3pt"><td colspan="3" style="border-bottom:1pt solid #000;padding:0 1pt"></td></tr></table></div><div style="padding-left:18pt;text-align:justify;text-indent:-18pt">(1) — Fiscal 2022 included a provision of \$99 million related to expected credit losses due to the Company's exit from its Russia and Belarus businesses.</div>243000000032500000022800000050000000580000001770000004000000010000000950000001400000007000000019400000024300000032500000099000000</div>

The following table summarizes the aging and non-accrual status of gross financing receivables:</div><div style="margin-top:5pt;text-align:justify"><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:72.730%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.619%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.621%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">As of October 31,</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-bottom:1pt solid #000000;border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"></td><td colspan="9" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">In millions</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"><div>Billed:(1)</div></td><td colspan="3" style="background-color:#ccccff;padding:2px 1pt;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccccff;padding:0 1pt"></td><td colspan="3" style="background-color:#ccccff;padding:2px 1pt;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:bottom">Current 1-30 days</td><td style="padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$</td><td style="padding:2px 0;text-align:right;vertical-align:bottom">334</td><td style="padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="padding:0 1pt"></td><td style="padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$</td><td style="padding:2px 0;text-align:right;vertical-align:bottom">320</td><td style="padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:bottom">Past due 31-60 days</td><td colspan="2" style="background-color:#ccccff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">29</td><td style="background-color:#ccccff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccccff;padding:0 1pt"></td><td colspan="2" style="background-color:#ccccff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">30</td><td style="background-color:#ccccff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:bottom">Past due 61-90 days</td><td colspan="2" style="background-color:#ccccff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccccff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom"></td><td colspan="2" style="background-color:#ccccff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom"></td></tr></table></div>

12			
13			
Past due > 90 days			
		79	
100			
Unbilled sales-type and direct-financing lease receivables			
		9,193	
8,351			
Total gross financing receivables			
\$			
9,647			
\$			
8,814			
Gross financing receivables on non-accrual status			
(2)			
\$			
214			
\$			
227			

[illegible]

Equipment leased to customers	
	6,669
	7,019
Accumulated depreciation	
	(3,037)
	(2,919)
Total	
	3,632
	4,100

666900000070190000003037000000291900000036320000004100000000

As of October 31, 2024, minimum future rentals on non-cancelable operating leases related to leased equipment were as follows:

As of October 31, 2024			
Fiscal year			
	In millions		
	2025		

1,696	962	2027	339	36	2029	3	Thereafter	1	Total	\$	3,037	3,037
2026			2027		2028			2029		Total		

169600000096200000033900000036000000300000010000003037000000

The following table presents amounts included in the Consolidated Statements of Earnings related to lessor activity:

For the fiscal years ended October 31,														
			Location						2024			2023		
						2022								
									In millions					

2,407 <td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">2,296 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ceeeff;padding:2px 1pt 2px 10pt;text-align:left;vertical-align:bottom">Total lease income</td><td colspan="3" style="background-color:#ceeeff;padding:0 1pt"></td><td style="background-color:#ceeeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$</td><td style="background-color:#ceeeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">3,012 </td><td style="background-color:#ceeeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ceeeff;padding:0 1pt"></td><td style="background-color:#ceeeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$</td><td style="background-color:#ceeeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">2,954 </td><td style="background-color:#ceeeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ceeeff;padding:0 1pt"></td><td style="background-color:#ceeeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$</td><td style="background-color:#ceeeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">2,779 </td><td style="background-color:#ceeeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table>
</div>6680000005470000004830000002344000000240700000022960000003012000000295400000

assets in the table below include those that can be used to settle the obligations of the VIE.

Additionally, general creditors do not have recourse to the assets of the VIE.

</td><td style="width:71.414%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.350%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.384%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.352%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">As of October 31,</td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="border-bottom:1pt solid #000;border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">Assets held by VIE:</td><td colspan="9" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">In millions</td></tr><tr><td colspan="3" style="background-color:#ceeeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Other current assets</td><td colspan="9" style="background-color:#ceeeff;padding:2px

[illegible]

Liabilities held by VIE:		
Notes payable and short-term borrowings, net of unamortized debt issuance costs		
\$	1,433	
\$	1,392	
Long-term debt, net of unamortized debt issuance costs		
\$		
	965	
\$		
	1,082	

1890000001450000008720000007640000001079000000983000000103300000012140000001

and Dispositions

Acquisitions and Disposition in fiscal 2024

On August 30, 2024, the Company completed the acquisition of Morpheus Data, a pioneer in software for hybrid cloud management and platform operations. Morpheus Data’s results of operations were included within the Hybrid Cloud segment. The acquisition date fair value consideration of \$147 million primarily consisted of cash paid for outstanding common stock. The Company is amortizing the intangible assets on a straight-line basis over an estimated weighted-average useful life of 4 years. The purchase price allocations for the Morpheus Data acquisition, described below, reflect various preliminary fair value estimates and analysis, including preliminary work performed by third-party valuation specialists, of certain tangible assets and

liabilities acquired, the valuation of intangible assets acquired, certain legal matters, income and non-income based taxes, and residual goodwill, which are subject to change within the measurement period.

The following table presents the aggregate estimated fair value of the assets acquired and liabilities assumed, including those items that are still pending allocations, for the acquisition completed during fiscal 2024:

In millions		
Goodwill		
Amortizable intangible assets		
Net liabilities assumed	(19)	
Total fair value consideration		147

Pending Merger with Juniper Networks, Inc.

On January 9, 2024, the Company entered into a definitive merger agreement under which HPE will acquire Juniper Networks, Inc. ("Juniper Networks") in an all-cash transaction for \$40.00 per share, representing an equity value of approximately \$14 billion. The transaction was unanimously approved by the boards of directors of both companies. On April 2, 2024, Juniper Networks shareholders approved the transaction. The transaction is expected to be funded based on senior unsecured delayed draw term loans from a syndicate of banks, the post-tax proceeds from the Company's sale to UNIS of 30% of the total issued share capital of H3C, the net proceeds (including after repayments of maturing debt) of its September 2024 issuances of senior unsecured notes and 7.625% Series C Mandatory Convertible Preferred Stock (the "Preferred Stock"), and cash on the balance sheet. Refer to Note 14, "Borrowings," and Note 15, "Stockholders' Equity," for additional information. The closing of the transaction remains subject to receipt of regulatory approvals and satisfaction of other customary closing conditions.

Disposition of CTG

On May 23, 2024, HPE announced plans to divest the CTG business to HCLTech. CTG is included in the Communications and Media Solutions business, which is reported in the Corporate Investments and Other segment. This divestiture includes the platform-based software solutions portions of the CTG portfolio, including systems integration, network applications, data intelligence, and the business support systems groups. As of October 31, 2024, assets and liabilities to be sold have been presented in the Consolidated Balance Sheets as assets and liabilities held for sale. On December 1, 2024, the Company completed the disposition of CTG. The Company received net proceeds of \$210 million and expect to recognize a gain of

approximately \$230 million.

Acquisitions in fiscal 2023

During fiscal 2023, the Company completed five acquisitions. The purchase price allocations for the acquisitions described below reflect various fair value estimates and analysis, including work performed by third-party valuation specialists, of certain tangible assets and liabilities acquired, the valuation of intangible assets acquired, certain legal matters, income and non-income based taxes, and residual goodwill, which were subject to change within the measurement period. Measurement period adjustments were recorded in the reporting period in which the estimates were finalized and adjustment amounts were determined.

The pro forma results of operations, revenue and net income subsequent to the acquisition dates have not been presented as they were not material to the Company's consolidated results of operations, either individually or in the aggregate. Goodwill, which represents the excess of the purchase price over the net tangible and intangible assets acquired, was not deductible for tax purposes.

The following table presents the aggregate estimated fair value of the assets acquired and liabilities assumed, including those items that are still pending allocations, for the acquisitions completed during fiscal 2023:

Goodwill	Tangible assets	Intangible assets	Total
\$585	209		794
Net tangible assets assumed	46		46
Total fair value consideration	\$840		\$840

On May 2, 2023, the Company completed the acquisition of OpsRamp, an IT

operations management company that monitors, observes, automates, and manages IT infrastructure, cloud resources, workloads, and applications for hybrid and multi-cloud environments, including the leading hyperscalers. OpsRamp's results of operations were included within the Corporate Investments and Other segment. The acquisition date fair value consideration of \$307 million primarily consisted of cash paid for outstanding common stock. In connection with this acquisition, the Company recorded approximately \$217 million of goodwill, and \$84 million of intangible assets. The Company is amortizing the intangible assets on a straight-line basis over an estimated weighted-average useful life of 5 years.

On March 15, 2023, the Company completed the acquisition of Axis Security, a cloud security provider, enabling the Company to expand its edge-to-cloud security capabilities by offering a unified Secure Access Services Edge solution to meet the increasing demand for integrated networking and security solutions deliveredaaS. Axis Security's results of operations were included within the Intelligent Edge segment. The acquisition date fair value consideration of \$412 million primarily consisted of cash paid for outstanding common stock. In connection with this acquisition, the Company recorded approximately \$311 million of goodwill, and \$71 million of intangible assets. The Company is amortizing the intangible assets on a straight-line basis over an estimated weighted-average useful life of 5 years.

Acquisitions in fiscal 2022

The Company did not have any acquisitions during fiscal 2022.

	Fiscal 2022	Fiscal 2021	Fiscal 2020	Fiscal 2019
In millions				
Goodwill	\$	\$	\$	\$
Amortizable intangible assets	68			
Total fair value consideration	\$	\$	\$	\$

The following table presents the aggregate estimated fair value of the assets acquired and liabilities assumed, including those items that are still pending allocations, for the acquisitions completed during fiscal 2023:

			In millions		
Goodwill			\$		
585					
Amortizable intangible assets					
209					
Net tangible assets assumed					
46			Total fair value consideration		
\$			840		

9800000006800000019000000014700000040.00140000000000.300.076252100000000230000000

and Intangible Assets

Goodwill

Goodwill and related changes in the carrying amount by reportable segment were as follows:

[illegible]

[illegible]

[illegible]

[illegible]

the fourth quarter of fiscal 2022. The Hybrid Cloud reporting unit has an accumulated impairment loss of \$90 million related to the former Software reporting unit which was also recorded during the fourth quarter of fiscal 2022.

2024 Interim and Annual Goodwill Impairment Reviews

As of October 31, 2024, the Company's reporting units with goodwill are consistent with the reportable segments identified in Note 2, "Segment Information" to the Consolidated Financial Statements in Item 8 of Part II, with the exception of Server, which contains two reporting units: Compute and HPC & AI, and Corporate Investments and Other which contains two reporting units: Advisory and Professional Services, and legacy Communications and Media Solutions.

During fiscal 2024, the Company performed the following goodwill impairment tests, none of which resulted in goodwill impairment:

- Impairment test performed as of November 1, 2023 based on organizational changes impacting the composition of reporting units as of that date;
- Annual goodwill impairment test, which was performed as of the first day of the fourth quarter of fiscal 2024. The excess of fair value over carrying amount for the reporting units ranged from approximately 8% to 198% of the respective carrying amounts and;
- Interim goodwill impairment test as of September 30, 2024 for Compute and Hybrid Cloud reporting units.

In September 2024, HPE sold 30% of the total issued share capital of H3C. The equity investment in H3C primarily benefits the Compute and Hybrid Cloud reporting units. Subsequent to the sale, on September 30, 2024, the Company performed an interim impairment analysis for Compute and Hybrid Cloud reporting units. The excess of fair value over carrying amount for these reporting units was 6% for Compute and 5% for Hybrid Cloud.

The Compute reporting unit has goodwill of \$8.2 billion as of October 31, 2024, and excess of fair value over carrying value of 6% as of the September 30, 2024 interim test date. The Compute business is cyclical in nature. Over the last several years, digital transformation drove increased investment to modernize infrastructure. However, in the current macroeconomic and inflationary environment, customers have invested selectively resulting in moderate unit growth and competitive pricing. The Compute business continues to focus on capturing market share while maintaining operating margin, leveraging its strong portfolio of ProLiant Gen11 products.

The Hybrid Cloud reporting unit has goodwill of \$4.8 billion as of October 31, 2024, and excess of fair value of 5% as of the September 30, 2024 interim test date. Although the Hybrid Cloud business is on a positive trajectory, the Company is managing both a sales model transition and product transition within this business. The Company's product model transition is to a more cloud-native, software-defined platform with HPE Alletra. Translating this growth to revenue and operating income will take time because a greater mix of high margin business such as ratable software and services, are deferred and recognized in future periods.

2023 and 2022 Annual Goodwill Impairment Reviews

The Company's fiscal 2023 annual impairment test did not result in any impairment charges.

[illegible]

In millions		
Customer contracts, customer lists and distribution agreements		
\$	219	
(70)		
\$	149	
\$	357	
\$		
(177)		
\$	180	
Developed and core technology and patents		
	747	
(443)		
	304	
1,162		

[illegible]

[illegible]

\$68 million of intangible assets related to acquisitions and \$56 million related to capitalized software development costs.

As of October 31, 2024, the weighted-average remaining useful lives of the Company's finite-lived intangible assets were as follows:

Weighted-Average Remaining Useful Lives			
Customer contracts, customer lists and distribution agreements	5		
Developed and core technology and patents	3		
Trade name and trademarks	1		
Capitalized software development costs	3		

As of October 31, 2024, estimated future amortization expense related to finite-lived intangible assets was as follows:

Fiscal year			
In millions			
2025	\$		
2026			

[illegible]

[illegible]

[illegible]

[illegible]

4,813

2,909

144

—

18,086

(1)

Goodwill is net of accumulated impairment losses of \$1.9 billion. Of this amount, \$1.7 billion relates to the HPC & AI reporting unit of which \$815 million was recorded during the fourth quarter of fiscal 2022. The Hybrid Cloud reporting unit has an accumulated impairment loss of \$90 million related to the former Software reporting unit which was also recorded during the fourth quarter of fiscal 2022.

[illegible]

[illegible]

[illegible]

Thereafter

Total

(1)

This table does not include \$50 million of software development costs that are in-progress and not amortizable.

15200000012800000095000000500000003000000050000000460000000500000000Fair Value

Fair value is defined as the price that would be received to sell an asset or paid to transfer a liability (an exit price) in an orderly transaction between market participants at the measurement date.

Fair Value Hierarchy

The Company uses valuation techniques that are based upon observable and unobservable inputs. Observable inputs are developed using market data such as publicly available information and reflect the assumptions market participants would use, while unobservable inputs are developed using the best information available about the assumptions market participants would use. Assets and liabilities are classified in the fair value hierarchy based on the lowest level input that is significant to the fair value measurement:

Level 1—Quoted prices (unadjusted) in active markets for identical assets or liabilities.

Level 2—Quoted prices for similar assets or liabilities in active markets, quoted prices for identical or similar assets or liabilities in markets that are not active, inputs other than quoted prices that are observable for the asset or liability and market corroborated inputs.

Level 3—Unobservable inputs for assets or liabilities.

The fair value hierarchy gives the highest priority to observable inputs and lowest priority to unobservable inputs. For the fiscal years ended October 31, 2024 and 2023, there were no transfers between levels within the fair value hierarchy.

The following table presents the Company's assets and liabilities that are measured at fair value on a recurring basis:

	2024	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008	2007	2006	2005	2004	2003	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975	1974	1973	1972	1971	1970	1969	1968	1967	1966	1965	1964	1963	1962	1961	1960	1959	1958	1957	1956	1955	1954	1953	1952	1951	1950	1949	1948	1947	1946	1945	1944	1943	1942	1941	1940	1939	1938	1937	1936	1935	1934	1933	1932	1931	1930	1929	1928	1927	1926	1925	1924	1923	1922	1921	1920	1919	1918	1917	1916	1915	1914	1913	1912	1911	1910	1909	1908	1907	1906	1905	1904	1903	1902	1901	1900	1899	1898	1897	1896	1895	1894	1893	1892	1891	1890	1889	1888	1887	1886	1885	1884	1883	1882	1881	1880	1879	1878	1877	1876	1875	1874	1873	1872	1871	1870	1869	1868	1867	1866	1865	1864	1863	1862	1861	1860	1859	1858	1857	1856	1855	1854	1853	1852	1851	1850	1849	1848	1847	1846	1845	1844	1843	1842	1841	1840	1839	1838	1837	1836	1835	1834	1833	1832	1831	1830	1829	1828	1827	1826	1825	1824	1823	1822	1821	1820	1819	1818	1817	1816	1815	1814	1813	1812	1811	1810	1809	1808	1807	1806	1805	1804	1803	1802	1801	1800	1799	1798	1797	1796	1795	1794	1793	1792	1791	1790	1789	1788	1787	1786	1785	1784	1783	1782	1781	1780	1779	1778	1777	1776	1775	1774	1773	1772	1771	1770	1769	1768	1767	1766	1765	1764	1763	1762	1761	1760	1759	1758	1757	1756	1755	1754	1753	1752	1751	1750	1749	1748	1747	1746	1745	1744	1743	1742	1741	1740	1739	1738	1737	1736	1735	1734	1733	1732	1731	1730	1729	1728	1727	1726	1725	1724	1723	1722	1721	1720	1719	1718	1717	1716	1715	1714	1713	1712	1711	1710	1709	1708	1707	1706	1705	1704	1703	1702	1701	1700	1699	1698	1697	1696	1695	1694	1693	1692	1691	1690	1689	1688	1687	1686	1685	1684	1683	1682	1681	1680	1679	1678	1677	1676	1675	1674	1673	1672	1671	1670	1669	1668	1667	1666	1665	1664

[illegible]

Level 3			Total			In millions		
Assets								

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

3

(1)

Available-for-sale debt securities with carrying values that approximate fair value.

Valuation Techniques

Cash Equivalents and Investments:

The Company holds time deposits, money market funds, debt securities primarily consisting of corporate and foreign government notes and bonds. The Company values cash equivalents using quoted market prices, alternative pricing sources, including net asset value, or models utilizing market observable inputs. The fair value of debt and equity investments was based on quoted market prices or model-driven valuations using inputs primarily derived from or corroborated by observable market data, and, in certain instances, valuation models that utilize assumptions which cannot be corroborated with observable market data. Equity and other securities include investments in marketable and non-marketable securities. In evaluating non-marketable securities for impairment or observable price changes, the Company uses valuation techniques using the best information available, and may include quoted market prices, market comparables and discounted cash flow projections.

Derivative Instruments:

The Company uses forward contracts, interest rate and total return swaps to hedge certain foreign currency and interest rate exposures. The Company uses industry standard valuation models to measure fair value. Where applicable, these models project future cash flows and discount the future amounts to present value using market-based observable inputs, including interest rate curves, the Company and counterparties' credit risk, foreign currency exchange rates, and forward and spot prices for currencies and interest rates. See Note 13, "Financial Instruments," for a further discussion of the Company's use of derivative instruments.

Other Fair Value Disclosures

Short-Term and Long-Term Debt:

The Company estimates the fair value of its debt primarily using an expected present value technique, which is based on observable market inputs using interest rates currently

available to companies of similar credit standing for similar terms and remaining maturities, and considering its own credit risk. The portion of the Company's debt that is hedged is reflected in the Consolidated Balance Sheets as an amount equal to the debt's carrying amount and a fair value adjustment representing changes in the fair value of the hedged debt obligations arising from movements in benchmark interest rates. As of October 31, 2024, the estimated fair value of the Company's short-term and long-term debt was \$18.3 billion and the carrying value was \$18.2 billion. As of October 31, 2023, the estimated fair value of the Company's short-term and long-term debt was \$12.2 billion and the carrying value was \$12.4 billion. If measured at fair value in the Consolidated Balance Sheets, short-term and long-term debt would be classified in Level 2 of the fair value hierarchy.

Other Financial Instruments: For the balance of the Company's financial instruments, primarily accounts receivable, accounts payable and financial liabilities included in other accrued liabilities, the carrying amounts approximate fair value due to their short-term nature. If measured at fair value in the Consolidated Balance Sheets, these other financial instruments would be classified in Level 2 or Level 3 of the fair value hierarchy.

Non-Recurring Fair Value Measurements

Equity Investments without Readily Determinable Fair Value: Equity investments are recorded at cost and measured at fair value, when they are deemed to be impaired or when there is an adjustment from observable price changes. For fiscal 2024, the Company recorded a net unrealized gain of \$34 million. For fiscal 2023 and 2022, the Company recorded net unrealized losses of \$45 million and \$17 million, respectively, which included impairments of \$50 million and \$24 million for the same respective periods. These amounts are reflected in Interest and other, net in the Consolidated Statements of Earnings. If measured at fair value in the Consolidated Balance Sheets, these would generally be classified in Level 3 of the fair value hierarchy. These adjustments are based on observable price changes for certain equity investments without readily determinable fair value. For investments still held as of October 31, 2024, the cumulative upward adjustments for observable price changes was \$82 million and cumulative downward adjustments for observable price changes and impairments was \$88 million. Refer to Note 13 "Financial Instruments," for further information about equity investments.

Non-Financial Assets: The Company's non-financial assets, such as intangible assets, goodwill and property, plant and equipment, are recorded at cost. The Company records ROU assets based on the lease liability, adjusted for lease prepayments, lease incentives received and the lessee's initial direct costs. Fair value adjustments are made to these non-financial assets in the period an impairment charge is recognized.

In fiscal 2023 and 2022, the Company recorded a net ROU asset impairment charge of \$18 million and \$5 million, respectively, in Transformation costs in the Consolidated Statements of Earnings as the carrying value of certain ROU assets exceeded its fair value. If measured at fair value in the Consolidated Balance Sheets, these would generally be classified in Level 3 of the fair value hierarchy.

In the fourth quarter of fiscal 2022, the Company recorded a goodwill impairment charge of \$905 million associated with the HPC & AI reporting unit and the Software reporting unit within the Corporate Investments and Other segment. The fair value of the Company's reporting units was classified in Level 3 of the fair value hierarchy due to the significance of unobservable inputs developed using company-specific information. For more information on the goodwill impairment, see Note 11, "Goodwill and Intangible Assets."

Fair value is defined as the price that would be received to sell an asset or paid to transfer a liability (an exit price) in an orderly transaction between market participants at the measurement date.

Fair Value Hierarchy

The Company uses valuation techniques that are based upon observable and unobservable inputs. Observable inputs are developed using market data such as publicly available information and reflect the assumptions market participants would use, while unobservable inputs are developed using the best information available about the assumptions market participants would use. Assets and liabilities are classified in the fair value hierarchy based on the lowest level input that is significant to the fair value measurement:

Level 1—Quoted prices (unadjusted) in active markets for identical assets or liabilities.

Level 2—Quoted prices for similar assets or liabilities in active markets, quoted prices for identical or similar assets or liabilities in markets that are not active, inputs other than quoted prices that are observable for the asset or liability and market corroborated inputs.

Level 3—Unobservable inputs for assets or liabilities.

The fair value hierarchy gives the highest priority to observable inputs and lowest priority to unobservable inputs. For the fiscal years ended October 31, 2024 and 2023, there were no transfers between levels within the fair value hierarchy.

Valuation Techniques

Cash Equivalents and Investments:

The Company holds time deposits, money market funds, debt securities primarily consisting of corporate and foreign government notes and bonds. The Company values cash equivalents using quoted market prices, alternative pricing sources, including net asset value, or models utilizing market observable inputs. The fair value of debt and equity investments was based on quoted market prices or model-driven valuations using inputs primarily derived from or corroborated by observable market data, and, in certain instances, valuation models that utilize assumptions which cannot be corroborated with observable market data. Equity and other securities include investments in marketable and non-marketable securities. In evaluating non-marketable securities for impairment or observable price changes, the Company uses valuation techniques using the best information available, and may include quoted market prices, market comparables and discounted cash flow projections.

Derivative Instruments:

The Company uses forward contracts, interest rate and total return swaps to hedge certain foreign currency and interest rate exposures. The Company uses industry standard valuation models to measure fair value. Where applicable, these models project future cash flows and discount the future amounts to present value using market-based observable inputs, including interest rate curves, the Company and counterparties' credit risk, foreign currency exchange rates, and forward and spot prices for currencies and interest rates. See Note 13, "Financial Instruments," for a further discussion of the Company's use of derivative instruments.

Other Fair Value Disclosures

Short-Term and Long-Term Debt:

The Company estimates the fair value of its debt primarily using an expected present

value technique, which is based on observable market inputs using interest rates currently available to companies of similar credit standing for similar terms and remaining maturities, and considering its own credit risk. The portion of the Company's debt that is hedged is reflected in the Consolidated Balance Sheets as an amount equal to the debt's carrying amount and a fair value adjustment representing changes in the fair value of the hedged debt obligations arising from movements in benchmark interest rates. As of October 31, 2024, the estimated fair value of the Company's short-term and long-term debt was \$18.3 billion and the carrying value was \$18.2 billion. As of October 31, 2023, the estimated fair value of the Company's short-term and long-term debt was \$12.2 billion and the carrying value was \$12.4 billion. If measured at fair value in the Consolidated Balance Sheets, short-term and long-term debt would be classified in Level 2 of the fair value hierarchy.

Other Financial Instruments: For the balance of the Company's financial instruments, primarily accounts receivable, accounts payable and financial liabilities included in other accrued liabilities, the carrying amounts approximate fair value due to their short-term nature. If measured at fair value in the Consolidated Balance Sheets, these other financial instruments would be classified in Level 2 or Level 3 of the fair value hierarchy.

Non-Recurring Fair Value Measurements

Equity Investments without Readily Determinable Fair Value: Equity investments are recorded at cost and measured at fair value, when they are deemed to be impaired or when there is an adjustment from observable price changes. For fiscal 2024, the Company recorded a net unrealized gain of \$34 million. For fiscal 2023 and 2022, the Company recorded net unrealized losses of \$45 million and \$17 million, respectively, which included impairments of \$50 million and \$24 million for the same respective periods. These amounts are reflected in Interest and other, net in the Consolidated Statements of Earnings. If measured at fair value in the Consolidated Balance Sheets, these would generally be classified in Level 3 of the fair value hierarchy. These adjustments are based on observable price changes for certain equity investments without readily determinable fair value. For investments still held as of October 31, 2024, the cumulative upward adjustments for observable price changes was \$82 million and cumulative downward adjustments for observable price changes and impairments was \$88 million. Refer to Note 13 "Financial Instruments," for further information about equity investments.

Non-Financial Assets: The Company's non-financial assets, such as intangible assets, goodwill and property, plant and equipment, are recorded at cost. The Company records ROU assets based on the lease liability, adjusted for lease prepayments, lease incentives received and the lessee's initial direct costs. Fair value adjustments are made to these non-financial assets in the period an impairment charge is recognized.

In fiscal 2023 and 2022, the Company recorded a net ROU asset impairment charge of \$18 million and \$5 million, respectively, in Transformation costs in the Consolidated Statements of Earnings as the carrying value of certain ROU assets exceeded its fair value. If measured at fair value in the Consolidated Balance Sheets, these would generally be classified in Level 3 of the fair value hierarchy.

In the fourth quarter of fiscal 2022, the Company recorded a goodwill impairment charge of \$905 million associated with the HPC & AI reporting unit and the Software reporting unit within the Corporate Investments and Other segment. The fair value of the Company's reporting units was classified in Level 3 of the fair value hierarchy due to the significance of unobservable inputs developed using company-specific information. For more information on the goodwill impairment, see Note 11, "Goodwill and

Intangible Assets.”<div style="margin-top:8pt;text-align:justify;text-indent:24.75pt">The following table presents the Company's assets and liabilities that are measured at fair value on a recurring basis:</div><div style="margin-top:5pt;text-align:justify"><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:top; width:100.000%"><tr><td style="width:1.0%"></td><td style="width:23.315%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:7.671%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:7.671%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:7.671%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:7.671%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.823%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:7.671%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:7.671%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:7.671%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:7.685%"></td><td style="width:0.1%"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom"></td><td colspan="21" style="padding:2px 1pt;text-align:center;vertical-align:bottom">As of October 31, 2024</td><td colspan="3" style="padding:0 1pt"></td><td colspan="21" style="padding:2px 1pt;text-align:center;vertical-align:bottom">As of October 31, 2023</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom"></td><td colspan="15" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">Fair Value
Measured Using</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="15" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">Fair Value
Measured Using</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">Level 1</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-bottom:1pt solid #000;border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">Level 2</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-bottom:1pt solid #000;border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">Level 3</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-bottom:1pt solid #000;border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">Total</td><td colspan="3" style="padding:0 1pt"></td></tr></table></div>

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

Times New Roman		
Foreign bonds		
101		
2		
103		
100		
(3)		
97		
8		
6		

[illegible]

[illegible]

Non-marketable equity investments in privately held companies are included in Long-term financing receivables and other assets in the Consolidated Balance Sheets. These non-marketable equity investments are carried either at fair value or under measurement alternative. Measurement alternative equity investments are recorded at cost and measured at fair value when they are deemed to be impaired or when there is an adjustment from observable price changes.

The carrying amount of those non-marketable equity investments accounted for under the fair value option was \$88 million and \$135 million as of October 31, 2024 and 2023, respectively. For fiscal 2024, the Company recorded a net unrealized loss of \$47 million on these investments. For fiscal 2023 and 2022, the Company recorded net unrealized gains of \$9 million and \$86 million, respectively on these investments. These amounts are reflected in Interest and other, net in the Consolidated Statements of Earnings. In fiscal 2022, the Company sold \$165 million of these investments.

The carrying amount of those non-marketable equity investments accounted for under the measurement alternative was \$200 million and \$145 million as of October 31, 2024 and 2023, respectively. For fiscal 2024, the Company recorded a net unrealized gain of \$34 million. For fiscal 2023 and 2022, the Company recorded net unrealized losses of \$45 million and \$17 million, respectively, which included impairments of \$50 million and \$24 million for the same respective periods. These amounts are reflected in Interest and other, net in the Consolidated Statements of Earnings.

Derivative Instruments

The Company is a global company exposed to foreign currency exchange rate fluctuations and interest rate changes in the normal course of its business. As part of its risk management strategy, the Company uses derivative instruments, primarily forward contracts, interest rate swaps and total return swaps to hedge certain foreign currency, interest rate and, to a lesser extent, equity exposures. The Company's objective is to offset gains and losses resulting from these exposures with losses and gains on the derivative contracts used to hedge them, thereby reducing volatility of earnings or protecting the fair value of assets and liabilities. The Company does not have any leveraged derivatives and does not use derivative contracts for speculative purposes. The Company may designate its derivative contracts as fair value hedges, cash flow hedges or hedges of the foreign currency exposure of a net investment in a foreign operation ("net investment hedges"). Additionally, for derivatives not designated as hedging instruments, the Company categorizes those economic hedges as other derivatives. Derivative instruments are recognized at fair value in the Consolidated Balance Sheets. The change in fair value of the derivative instruments is recognized in the Consolidated Statements of Earnings or Consolidated Statements of Comprehensive Income depending upon the type of hedge as further discussed below. The Company classifies cash flows from its derivative programs with the activities that correspond to the underlying hedged items in the Consolidated Statements of Cash Flows.

As a result of its use of derivative instruments, the Company is exposed to the risk that its counterparties will fail to meet their contractual obligations. To mitigate counterparty credit risk, the Company has a policy of only entering into derivative contracts with carefully selected major financial institutions based on their credit ratings and other factors, and the Company maintains dollar risk limits that correspond to each financial institution's credit rating and other factors. The Company's established policies and procedures for mitigating credit risk include reviewing and establishing limits for credit exposure and periodically reassessing the creditworthiness of its counterparties. Master netting agreements also mitigate credit exposure to counterparties by permitting the Company to net amounts due from the Company to a counterparty against amounts due to the Company from the same counterparty under certain conditions.

To further mitigate credit exposure to counterparties, the Company has collateral security agreements, which allows the Company to hold collateral from, or require the Company to post collateral to counterparties when aggregate derivative fair values exceed contractually established thresholds which are generally based on the credit ratings of the Company and its counterparties. If the Company's credit rating falls below a specified credit rating, the counterparty has the right to request full collateralization of the derivatives' net liability position. Conversely, if the counterparty's credit rating falls below a specified credit rating, the Company has the right to request full collateralization of the derivatives' net liability position. Collateral is generally posted within two business days. The fair value of the

Company's derivatives with credit contingent features in a net liability position was \$23 million and \$108 million at October 31, 2024 and 2023, respectively, most of which were fully collateralized within two business days.

Under the Company's derivative contracts, the counterparty can terminate all outstanding trades following a covered change of control event affecting the Company that results in the surviving entity being rated below a specified credit rating. This credit contingent provision did not affect the Company's financial position or cash flows as of October 31, 2024 and 2023.

Fair Value Hedges

The Company issues long-term debt in U.S. dollars based on market conditions at the time of financing. The Company may enter into fair value hedges, such as interest rate swaps, to reduce the exposure of its debt portfolio to changes in fair value resulting from changes in interest rates by achieving a primarily U.S. dollar LIBOR-based floating interest rate which was replaced with SOFR starting in July of fiscal 2023. The swap transactions generally involve principal and interest obligations for U.S. dollar-denominated amounts. Alternatively, the Company may choose not to swap fixed for floating interest payments or may terminate a previously executed swap if it believes a larger proportion of fixed-rate debt would be beneficial. When investing in fixed-rate instruments, the Company may enter into interest rate swaps that convert the fixed interest payments into variable interest payments and may designate these swaps as fair value hedges.

For derivative instruments that are designated and qualify as fair value hedges, the Company recognizes the change in fair value of the derivative instrument, as well as the offsetting change in the fair value of the hedged item, in Interest and other, net in the Consolidated Statements of Earnings in the period of change.

Cash Flow Hedges

The Company uses forward contracts designated as cash flow hedges to protect against the foreign currency exchange rate risks inherent in its forecasted net revenue and, to a lesser extent, cost of sales, operating expenses, and intercompany loans denominated in currencies other than the U.S. dollar. The Company's foreign currency cash flow hedges mature generally within twelve months; however, forward contracts associated with sales-type and direct-financing leases and intercompany loans extend for the duration of the lease or loan term, which can extend up to five years.

For derivative instruments that are designated and qualify as cash flow hedges, and as long as they remain highly effective, the Company records the changes in fair value of the derivative instrument in Accumulated other comprehensive loss as a separate component of equity in the Consolidated Balance Sheets and subsequently reclassifies these amounts into earnings in the same financial statement line item when the hedged transaction is recognized.

In connection with the Company's pending acquisition of Juniper Networks and related debt issuances, the Company entered into interest rate locks for an aggregate notional amount of \$2.6 billion. These contracts were settled in fiscal 2024, the Company recognized a loss of \$42 million in accumulated other comprehensive income.

Net Investment Hedges

The Company uses forward contracts designated as net investment hedges to hedge net investments in certain foreign subsidiaries whose functional currency is the local currency. The Company records the changes in the fair value of the hedged items in cumulative translation adjustment as a separate component of equity in the Consolidated Balance Sheets.

Other Derivatives

bottom:8pt;margin-top:8pt;text-align:justify;text-indent:24.75pt">Other derivatives not designated as hedging instruments consist primarily of forward contracts used to hedge foreign currency-denominated balance sheet exposures. The Company also uses total return swaps, based on equity or fixed income indices, to hedge its executive deferred compensation plan liability.</div><div style="margin-bottom:8pt;margin-top:8pt;text-align:justify;text-indent:24.75pt">For derivative instruments not designated as hedging instruments, the Company recognizes changes in fair value of the derivative instrument, as well as the offsetting change in the fair value of the hedged item, in Interest and other, net in the Consolidated Statements of Earnings in the period of change.</div><div style="margin-bottom:8pt;margin-top:8pt;text-align:justify">Hedge Effectiveness</div><div style="margin-bottom:8pt;margin-top:8pt;text-align:justify;text-indent:24.75pt">For interest rate swaps designated as fair value hedges, the Company measures hedge effectiveness by offsetting the change in fair value of the hedged items with the change in fair value of the derivative. For forward contracts designated as cash flow or net investment hedges, the Company measures hedge effectiveness by comparing the cumulative change in fair value of the hedge contract with the cumulative change in fair value of the hedged item, both of which are based on forward rates.</div><div style="margin-bottom:8pt;margin-top:8pt;text-align:justify">Fair Value of Derivative Instruments in the Consolidated Balance Sheets</div><div style="margin-top:8pt;text-align:justify;text-indent:24.75pt">The gross notional and fair value of derivative instruments in the Consolidated Balance Sheets were as follows:</div><div style="margin-bottom:8pt;margin-top:5pt;text-align:justify"><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:16.297%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:7.818%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.384%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:5.478%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.384%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:6.940%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.384%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:5.771%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.384%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:6.940%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.384%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:7.818%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.384%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:5.917%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.384%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:6.940%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.384%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:5.771%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.384%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:6.954%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3"></td><td colspan="27" style="border-bottom:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">As of October 31, 2024</td><td colspan="3"></td><td colspan="27" style="border-bottom:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">As of October 31, 2023</td></tr><tr><td colspan="3"></td><td colspan="3"></td><td colspan="3"></td><td colspan="27" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="21" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">Fair Value</td><td colspan="3"></td><td colspan="3"></td><td colspan="27" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:8pt;font-weight:700;line-

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

Total derivatives not designated as hedging instruments			
5,675			
46			
5			
20			
4			
6,886			
20			
3			
25			
16			
Total derivatives			
\$			
17,970			

[illegible]

Offsetting of Derivative Instruments

The Company recognizes all derivative instruments on a gross basis in the Consolidated Balance Sheets. The Company's derivative instruments are subject to master netting arrangements and collateral security arrangements. The Company does not offset the fair value of its derivative instruments against the fair value of cash collateral posted under collateral security agreements. The information related to the potential effect of the Company's use of the master netting agreements and collateral security agreements were as follows:

	Notional Amount	Estimated Fair Value	Estimated Fair Value of Cash Collateral	Estimated Fair Value of Collateral Security
As of October 31, 2024				
In the Consolidated Balance Sheets				
(i)				
(ii)				
(iii) = (i) - (ii)				

[illegible]

[illegible]

[illegible]

Gross AmountsNot OffsetGross AmountRecognizedGross AmountOffsetNet AmountPresentedDerivativesFinancialCollateralNet AmountIn millionsDerivative assets\$464\$—\$

[illegible]

6

(1) Represents the cash collateral posted by counterparties as of the respective reporting date for the Company's asset position, net of derivative amounts that could be offset, as of, generally, two business days prior to the respective reporting date.

(2) Represents the collateral posted by the Company in cash or through the re-use of counterparty cash collateral as of the respective reporting date for the Company's liability position, net of derivative amounts that could be offset, as of, generally, two business days prior to the respective reporting date. As of October 31, 2024, \$27 million of collateral posted was entirely through the re-use of counterparty collateral. As of October 31, 2023, of the \$103 million of collateral posted, \$56 million was in cash and \$47 million was through the re-use of counterparty collateral.

The amounts recorded in the Consolidated Balance Sheets related to cumulative basis adjustments for fair value hedges were as follows:

			Carrying Amount of the Hedged Assets/ (Liabilities)																		
			Cumulative Amount of Fair Value Hedging Adjustment Included in the Carrying Amount of the Hedged Assets/ (Liabilities)																		
			As of October 31,																		
			2024																		
			2023																		
			2024																		

[illegible]

[illegible]

[illegible]

As of October 31, 2024, the Company expects to reclassify an estimated net accumulated other comprehensive gain of approximately \$20 million, net of taxes, to earnings in the next twelve months along with the earnings effects of the related forecasted transactions associated with cash flow hedges.

Effect of Derivative Instruments on the Consolidated Statements of Earnings

The following table represents the pre-tax effect of derivative instruments on total amounts of income and expense line items presented in the Consolidated Statements of Earnings in which the effects of fair value hedges, cash flow hedges and derivatives not designated as hedging instruments are recorded:

	2024	2023	2022	2021	2020
Net Revenue					
Interest and Other, net					

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

#000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">388</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">\$</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">874</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr></table></div><div style="margin-top:8pt;text-align:justify;text-indent:24.75pt">Cash equivalents and available-for-sale debt investments were as follows:</div><div style="margin-bottom:8pt;margin-top:5pt;text-align:justify"><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:32.964%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:9.280%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td style="width:1.0%"></td><td style="width:9.426%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.384%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:9.280%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td style="width:1.0%"></td><td style="width:9.286%"></td><td style="width:0.1%"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom"></td><td colspan="15" style="padding:2px 1pt;text-align:center;vertical-align:bottom">As of October 31, 2024</td><td colspan="3" style="padding:0 1pt"></td><td colspan="15" style="padding:2px 1pt;text-align:center;vertical-align:bottom">As of October 31, 2023</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">Cost</td><td colspan="3" style="border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="border-bottom:1pt solid #000000;border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">Gross
Unrealized
Gains/(Losses)</td><td colspan="3" style="border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="border-bottom:1pt solid #000000;border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

13,357

			2,696
			2,696
			2,696
			2,696
			2,696
			2,696
			2,696
			2,696
			2,696

Contractual maturities of investments in available-for-sale debt securities were as follows:

As of October 31, 2024											
Amortized Cost											
Fair Value											
In millions											

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

12	13	1,972	39	46	34	23	Total derivatives designated as hedging instruments	12,295	145	103	101	38	12,719

[illegible]

[illegible]

[illegible]

[illegible]

25000000000058000000002500000000000151000000780900000010700000059000000310000

information related to the potential effect of the Company's use of the master netting agreements and collateral security agreements were as follows:

			As of October 31, 2024																																						
			In the Consolidated Balance Sheets																																						
			(i)																																						

(ii)																																			
(iii) = (i) - (ii)																																			
(iv)																																			
(v)																																			
(vi) = (iii) - (iv) - (v)																																			
Gross Amounts																																			
Not Offset																																			
Gross Amount																																			
Recognized																																			
Gross Amount																																			
Offset																																			
Net Amount																																			
Presented																																			
Derivatives																																			
Financial																																			
Collateral																																			
Net Amount																																			
In millions																																			

[illegible]

[illegible]

(v)
(vi) = (iii) - (iv) - (v)
Gross Amounts
Not Offset
Gross Amount
Recognized
Net Amount
Presented
Derivatives
Financial Collateral
In millions
Derivative assets
\$
464

[illegible]

[illegible]

[illegible]

			In millions		
Derivative assets			\$		
299					
			\$		
—					
299					
138					
90					
(1)					
			71		
Derivative liabilities					
			\$		
163					
			—		

\$

163	\$		
138			
27			
(2)			
N/A			

As of October 31, 2023																																						

In the Consolidated Balance Sheets																										

			(i)			(ii)			(iii) = (i) - (ii)		

	(iv)	(v)	(vi) = (iii) - (iv) - (v)	
			Gross Amounts	Not Offset
			Gross	Amount Recognized
			Gross Amount	Offset
			Net Amount	Presented
			Derivatives	
			Financial Collateral	
			Net Amount	
			In millions	
			Derivative assets	
			\$	

464

—

464

196

207

(1)

61

Derivative liabilities

305

305

305

305

196

[illegible]

2024								
2023								
2024								
2023								
In millions								
In millions								
Notes payable and short-term borrowings			\$			(2,440)		

\$

—					\$	151

The pre-tax effect of derivative instruments in cash flow and net investment hedging relationships recognized in Other Comprehensive Income (“OCI”) were as follows:

Gains (Losses) Recognized in OCI on Derivatives																				
			For the fiscal years ended October 31,																	
									2024						2023			2022		

[illegible]

color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">(253)</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">1,124</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table></div><div style="margin-top:8pt;text-align:justify;text-indent:24.75pt">The pre-tax effect of derivative instruments in cash flow and net investment hedging relationships recognized in Other Comprehensive Income ("OCI") were as follows:</div><div style="margin-bottom:1pt;text-align:center"><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:55.917%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.788%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.788%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.384%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.793%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="15" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Gains (Losses) Recognized in OCI on Derivatives</td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="15" style="padding:2px 1pt;text-align:center;vertical-align:bottom">For the fiscal years ended October 31,</td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="15" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-bottom:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-bottom:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2022</td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="15" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">In millions</td></tr><tr><td colspan="3" style="background-color:#cceeef;padding:2px 1pt;text-align:left;vertical-align:bottom">Derivatives in Cash Flow Hedging Relationship</td><td colspan="3" style="background-color:#cceeef;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeef;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeef;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeef;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeef;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 12.25pt;text-align:left;vertical-align:bottom">Foreign exchange contracts</td><td colspan="3" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$</td><td colspan="3" style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">(73)</td><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$</td><td colspan="3" style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom"></td></tr></table></div>

[illegible]

color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">(253)</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">1,124</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table></div>-73000000-1770000001025000000-420000000025000000-7600000099000000-90000000-253000000112400000020000000<div style="margin-top:8pt;text-align:justify;text-indent:24.75pt">The following table represents the pre-tax effect of derivative instruments on total amounts of income and expense line items presented in the Consolidated Statements of Earnings in which the effects of fair value hedges, cash flow hedges and derivatives not designated as hedging instruments are recorded:</div><div style="margin-top:8pt;text-align:justify"><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:top;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:39.689%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:8.256%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:8.256%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:8.110%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.384%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:8.256%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.384%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:8.265%"></td><td style="width:0.1%"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="33" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Gains (Losses) Recognized in Income</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="33" style="border-bottom:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">For the fiscal years ended October 31,</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td><td colspan="3" style="border-top:1pt solid #000;padding:0 1pt"></td><td colspan="9" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">2022</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">Net Revenue</td><td colspan="3" style="border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="border-bottom:1pt solid #000;border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">Interest and Other, net</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr></table></div>

Net Revenue		
Interest and Other, net		
In millions		
Total net revenue and interest and other, net		
\$	30,127	
		(117)
\$	29,135	
		(104)
\$	28,496	

[illegible]

[illegible]

[illegible]

[illegible]

size:10pt;font-weight:400;line-height:100%">\$(

(249)</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$(<tr> <td >\$(<="" ><="" ><span="" >388<="" colspan="3" p="" span><="" style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%" td><td=""> <tr> <td ><="" ><span="" ><table="" ><tr><td="" >2023<="" >2024<="" >874<="" >amount
outstanding<="" >as="" >notes="" 31,<="" <="" and="" as="" borrowings<="" borrowings,="" colspan="3" current="" debt,="" div="" div>="" div><div="" div>30127000000-11700000029135000000-10400000028496000000-1210000000-9300000000-27000000002730000000930000000270000000-27300000059000000-75000000280000000-1440000003880000005900000000380000000-970000000287000000000-80000000-300000059000000-3700000028000000-249000000388000000874000000borrowings<div="" follows:<="" including="" long-term="" october="" of="" payable="" portion="" short-term="" span><="" style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:8pt;font-weight:700;line-height:100%" table><="" td><="" td><td="" the="" tr><="" tr><tr><td="" were=""></td></tr></td></tr>	<tr> <td ><="" ><span="" ><table="" ><tr><td="" >2023<="" >2024<="" >874<="" >amount
outstanding<="" >as="" >notes="" 31,<="" <="" and="" as="" borrowings<="" borrowings,="" colspan="3" current="" debt,="" div="" div>="" div><div="" div>30127000000-11700000029135000000-10400000028496000000-1210000000-9300000000-27000000002730000000930000000270000000-27300000059000000-75000000280000000-1440000003880000005900000000380000000-970000000287000000000-80000000-300000059000000-3700000028000000-249000000388000000874000000borrowings<div="" follows:<="" including="" long-term="" october="" of="" payable="" portion="" short-term="" span><="" style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:8pt;font-weight:700;line-height:100%" table><="" td><="" td><td="" the="" tr><="" tr><tr><td="" were=""></td></tr>					
<tr> <td ><="" ><span="" ><table="" ><tr><td="" >2023<="" >2024<="" >874<="" >amount
outstanding<="" >as="" >notes="" 31,<="" <="" and="" as="" borrowings<="" borrowings,="" colspan="3" current="" debt,="" div="" div>="" div><div="" div>30127000000-11700000029135000000-10400000028496000000-1210000000-9300000000-27000000002730000000930000000270000000-27300000059000000-75000000280000000-1440000003880000005900000000380000000-970000000287000000000-80000000-300000059000000-3700000028000000-249000000388000000874000000borrowings<div="" follows:<="" including="" long-term="" october="" of="" payable="" portion="" short-term="" span><="" style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:8pt;font-weight:700;line-height:100%" table><="" td><="" td><td="" the="" tr><="" tr><tr><td="" were=""></td></tr>						

Weighted-Average Interest Rate																																																		
Amount Outstanding																																																		
Weighted-Average Interest Rate																																																		
Dollars in millions																																																		
Current portion of long-term debt			(1)																																															
\$			3,969					7.6					%			\$		4.022						%			Commercial paper		649							3.7					679					4.1				

Notes payable to banks, lines of credit and other		124		5.0			%		167		4.6		%	
Total notes payable and short-term borrowings														
\$ 4,742														
4,868														

(1) As of October 31, 2024, the Current portion of long-term debt, net of discount and issuance costs, included \$1.4 billion associated with the current portion of the Company issued asset-backed debt securities.

Long-Term Debt

[illegible]

	\$1,250 issued at discount to par at a price of 99.908% in September 2024 at 4.85%, due October 15, 2031, interest payable semi-annually on April 15 and October 15 of each year		
	1,249		
	\$2,000 issued at discount to par at a price of 99.078% in September 2024 at 5.00%, due October 15, 2034, interest payable semi-annually on April 15 and October 15 of each year		
	1,982		
	\$1,500 issued at discount to par at a price of 98.086% in September 2024 at 5.60%, due October 15, 2054, interest payable semi-annually on April 15 and October 15 of each year		
	1,471		
	\$250 issued at premium to par at a price of 100.452% in June 2023 at 5.90%, due October 1, 2024, interest payable semi-annually on April 1 and October 1 of each year		
	251		
	\$550 issued at discount to par at a price of 99.887% in June 2023 at 5.25%, due July 1, 2028, interest payable semi-annually on January 1 and July 1 of each year		
	550		

	\$400 issued at discount to par at a price of 99.997% in March 2023 at 6.102%, due April 1, 2026, interest payable semi-annually on April 1 and October 1 of each year	400
	\$1,300 issued at discount to par at a price of 99.934% in March 2023 at 5.90%, due October 1, 2024, interest payable semi-annually on April 1 and October 1 of each year	1,300
	\$1,000 issued at discount to par at a price of 99.883% in July 2020 at 1.45%, due April 1, 2024, interest payable semi-annually on April 1 and October 1 of each year	1,000
	\$750 issued at discount to par at a price of 99.820% in July 2020 at 1.75%, due April 1, 2026, interest payable semi-annually on April 1 and October 1 of each year	750
	\$2,500 issued at discount to par at a price of 99.725% in October 2015 at 4.90%, due October 15, 2025, interest payable semi-annually on April 15 and October 15 of each year	2,500

[illegible]

height:100%">\$612 issued in September 2023, in six tranches at a weighted average price of 99.99% and a weighted average interest rate of 6.40%, payable monthly from October 2023 with a stated final maturity of July 2031	373	596	596
\$643 issued in March 2023 and April 2023, in five tranches at a weighted average price of 99.99% and a weighted average interest rate of 5.59%, payable monthly from April 2023 with a stated final maturity of April 2028	257	257	257
\$651 issued in October 2022, in five tranches at a weighted average price of 99.99% and a weighted average interest rate of 5.55%, payable monthly from November 2022 with a stated final maturity date of August 2029	191	191	191
\$747 issued in May 2022, in six tranches at a weighted average price of 99.99% and a weighted average interest rate of 3.68%, payable monthly from July 2022 with a stated final maturity date of March 2030	148	148	148
\$1,000 issued in January 2022, in six tranches at a weighted average price of 99.99% and a weighted average interest rate of 1.51%, payable monthly from March 2022 with a stated final maturity date of November 2029	124	124	124
391	391	391	391

\$753 issued in June 2021, in six tranches at a weighted average price of 99.99% and a weighted average interest rate of 0.58%, payable monthly from August 2021 with a stated final maturity date of March 2029

	26		
	147		
\$1,000 issued in March 2021, in six tranches at a weighted average price of 99.99% and a weighted average interest rate of 0.49%, payable monthly from April 2021 with a stated final maturity date of March 2031			
	—		
	102		
Other, including finance lease obligations, at 1.6%–6.3%, due in calendar years 2024–2030			
(1)			
	208		
	215		
Fair value adjustment related to hedged debt			
(58)			
	(151)		
Unamortized debt issuance costs			
	(76)		
(30)			
Less: current portion			

(3,969)

(4,022)

Total long-term debt

13,504

7,487

(1)

Other, including finance lease obligations included \$14 million and \$36 million as of October 31, 2024 and 2023, respectively, of borrowing- and funding-related activity associated with FS and its subsidiaries that are collateralized by receivables and underlying assets associated with the related finance and operating leases. For both the periods presented, the carrying amount of the assets approximated the carrying amount of the borrowings.

Interest expense on borrowings recognized in the Consolidated Statements of Earnings was as follows:

	2024	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008	2007	2006	2005	2004	2003	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975	1974	1973	1972	1971	1970	1969	1968	1967	1966	1965	1964	1963	1962	1961	1960	1959	1958	1957	1956	1955	1954	1953	1952	1951	1950	1949	1948	1947	1946	1945	1944	1943	1942	1941	1940	1939	1938	1937	1936	1935	1934	1933	1932	1931	1930	1929	1928	1927	1926	1925	1924	1923	1922	1921	1920	1919	1918	1917	1916	1915	1914	1913	1912	1911	1910	1909	1908	1907	1906	1905	1904	1903	1902	1901	1900	1899	1898	1897	1896	1895	1894	1893	1892	1891	1890	1889	1888	1887	1886	1885	1884	1883	1882	1881	1880	1879	1878	1877	1876	1875	1874	1873	1872	1871	1870	1869	1868	1867	1866	1865	1864	1863	1862	1861	1860	1859	1858	1857	1856	1855	1854	1853	1852	1851	1850	1849	1848	1847	1846	1845	1844	1843	1842	1841	1840	1839	1838	1837	1836	1835	1834	1833	1832	1831	1830	1829	1828	1827	1826	1825	1824	1823	1822	1821	1820	1819	1818	1817	1816	1815	1814	1813	1812	1811	1810	1809	1808	1807	1806	1805	1804	1803	1802	1801	1800	1799	1798	1797	1796	1795	1794	1793	1792	1791	1790	1789	1788	1787	1786	1785	1784	1783	1782	1781	1780	1779	1778	1777	1776	1775	1774	1773	1772	1771	1770	1769	1768	1767	1766	1765	1764	1763	1762	1761	1760	1759	1758	1757	1756	1755	1754	1753	1752	1751	1750	1749	1748	1747	1746	1745	1744	1743	1742	1741	1740	1739	1738	1737	1736	1735	1734	1733	1732	1731	1730	1729	1728	1727	1726	1725	1724	1723	1722	1721	1720	1719	1718	1717	1716	1715	1714	1713	1712	1711	1710	1709	1708	1707	1706	1705	1704	1703	1702	1701	1700	1699	1698	1697	1696	1695	1694	1693	1692	1691	1690	1689	1688	1687	1686	1685	1684	1683	1682	1681	1680	1679	1678	1677	1676	1675	1674	1673	1672	1671	1670	1669	1668	1667	1666	1665	1664	1663	1662	1661	1660	1659	1658	1657	1656	1655	1654	1653	1652	1651	1650	1649	1648	1647	1646	1645	1644	1643	1642

2023		
2022		
In millions		
Financing interest	Financing cost	
\$		495
\$		383
\$		211
Interest expense		
Interest and other, net		
282		
326		
260		
Total interest expense		
\$		
777		

\$	709				\$	471

As disclosed in Note 13, “Financial Instruments,” the Company used interest rate swaps to mitigate the exposure of its fixed rate debt to changes in fair value resulting from changes in interest rates, or hedge the variability of cash flows in the interest payments associated with its variable-rate debt. Interest rates on long-term debt in the table above have not been adjusted to reflect the impact of any interest rate swaps.

Commercial Paper

Hewlett Packard Enterprise maintains two commercial paper programs, “the Parent Programs,” and a wholly-owned subsidiary maintains a third program. The Parent Program in the U.S. provides for the issuance of U.S. dollar-denominated commercial paper up to a maximum aggregate principal amount of \$4.75 billion. The Parent Program outside the U.S. provides for the issuance of commercial paper denominated in U.S. dollars, euros or British pounds up to a maximum aggregate principal amount of \$3.0 billion or the equivalent in those alternative currencies. The combined aggregate principal amount of commercial paper outstanding under those two programs at any one time cannot exceed the \$4.75 billion as authorized by Hewlett Packard Enterprise’s Board of Directors. In addition, the Hewlett Packard Enterprise subsidiary’s euro Commercial Paper/Certificate of Deposit Program provides for the issuance of commercial paper in various currencies of up to a maximum aggregate principal amount of \$1.0 billion. As of October 31, 2024 and 2023, no borrowings were outstanding under the Parent Programs. As of October 31, 2024 and 2023, \$649 million and \$679 million, respectively, were outstanding under the subsidiary’s program.

Revolving Credit Facility

In September 2024, the Company terminated its prior senior unsecured revolving credit facility that was entered into in December 2021, and entered into a new senior unsecured revolving credit facility with an aggregate lending commitment of \$5.25 billion for a period of five years. The commitment comprised of (i) \$4.75 billion of commitments available immediately and (ii) \$500 million of commitments available from and subject to the closing of the Juniper Networks acquisition and refinancing of Juniper Networks’ credit agreement in connection with the closing of the Juniper Networks acquisition. As of October 31, 2024 and 2023, no borrowings were outstanding under either credit facilities.

Uncommitted Credit facility

On September 21, 2023, the Company entered into a five-year agreement with Societe Generale for an uncommitted short-term cash advance facility in the principal amount of up to \$500 million. As of October 31, 2024, no borrowings were outstanding under this credit facility.

Juniper Networks Acquisition Committed Financing

On September 21, 2023, the Company entered into a five-year agreement with Societe Generale for an uncommitted short-term cash advance facility in the principal amount of up to \$500 million. As of October 31, 2024, no borrowings were outstanding under this credit facility.

Juniper Networks Acquisition Committed Financing

On September 21, 2023, the Company entered into a five-year agreement with Societe Generale for an uncommitted short-term cash advance facility in the principal amount of up to \$500 million. As of October 31, 2024, no borrowings were outstanding under this credit facility.

In connection with HPE's signing a definitive agreement to acquire Juniper Networks in January 2024 (the "Merger Agreement"), HPE entered into a commitment letter whereby HPE obtained a commitment from Citigroup Global Markets Inc., JPMorgan Chase Bank, N.A. and Mizuho Bank, Ltd. for a \$14.0 billion senior unsecured delayed draw term loan facility, comprised of an \$11.0 billion 364-day tranche and a \$3.0 billion three-year tranche, subject to customary conditions (the "Term Loan Commitment Letter").

In September 2024, HPE issued \$9.0 billion of senior unsecured notes. In addition, in furtherance of the Term Loan Commitment Letter, the Company entered into term loan agreements with JPMorgan Chase Bank, N.A., Citibank, N.A., and Mizuho Bank, Ltd. for approximately \$12.0 billion of senior unsecured delayed draw term loan facilities, comprised of an approximately \$9.0 billion 364-day tranche and a \$3.0 billion three-year tranche, subject to customary conditions. The Company has since further reduced the commitments under the 364-day term loan to \$1.0 billion. Unless previously terminated, commitments under both the 364-day term loan and the three-year term loan will terminate upon the earliest of (i) five business days after the Juniper Outside Date (as defined in such term loan agreements), (ii) the occurrence of the closing of the acquisition of Juniper Networks without the funding of any borrowings under either of the term loan agreements, and (iii) the termination of the Merger Agreement by HPE in writing in accordance with its terms. As of October 31, 2024, no borrowings were outstanding and HPE paid \$42 million of financing fees.

In connection with the entry into the aforementioned 364-day term loan and the three-year term loan, on September 12, 2024, HPE terminated the Term Loan Commitment Letter.

Future Maturities of Borrowings

As of October 31, 2024, aggregate future maturities of the Company's borrowings at face value (excluding a fair value adjustment related to hedged debt of \$58 million, a net discount of \$53 million and unamortized debt issuance costs of \$76 million), including finance lease obligations were as follows:

	2025	2026	2027	2028	2029	2030	Thereafter	Total
Aggregate future maturities of the Company's borrowings at face value, including finance lease obligations	\$58	\$53	\$76	\$1,000	\$1,000	\$1,000	\$1,000	\$4,587
Less: Fair value adjustment related to hedged debt								
Less: Net discount								
Less: Unamortized debt issuance costs								
Aggregate future maturities of the Company's borrowings at fair value, including finance lease obligations	\$58	\$53	\$76	\$1,000	\$1,000	\$1,000	\$1,000	\$4,587

2028 612

2029 1,758

Thereafter 7,003

Total \$ 17,660

Notes payable and short-term borrowings, including the current portion of long-term debt, were as follows:

			As of October 31,														
			2024														
			2023														
			Amount Outstanding														

2023

Weighted-Average Interest Rate					
Amount Outstanding					
Weighted-Average Interest Rate					
Dollars in millions					
Current portion of long-term debt			(1)		
\$			3,969		
			7.6		
%					
\$			4,022		
			4.8		
%					
Commercial paper			649		
			3.7		
%					
679			4.1		
%					

Notes payable to banks, lines of credit and other

124		
5.0		
%		
167		
4.6		
%		
Total notes payable and short-term borrowings		
\$		
4,742		
4,742		
4,868		
4,868		

Long-Term Debt

1.0%	72.730%	0.1%	1.0%	11.619%	0.1%	0.1%	0.1%	0.530%	0.1%
11.621%									

As of October 31, 2024, the Current portion of long-term debt, net of discount and issuance costs, included \$1.4 billion associated with the current portion of the Company issued asset-backed debt securities.

3969000000.07640220000000.0486490000000.0376790000000.0411240000000.0501670000

Long-Term Debt

1.0%	72.730%	0.1%	1.0%	11.619%	0.1%	0.1%	0.1%	0.530%	0.1%
11.621%									

As of October 31, 2024, the Current portion of long-term debt, net of discount and issuance costs, included \$1.4 billion associated with the current portion of the Company issued asset-backed debt securities.

3969000000.07640220000000.0486490000000.0376790000000.0411240000000.0501670000

As of October 31,								
			2024			2023		
In millions								
Hewlett Packard Enterprise Unsecured Senior Notes								

	\$1,000 issued at discount to par at a price of 98.76% in September 2024 at 4.85%, due October 15, 2031, interest payable semi-annually on April 15 and October 15 of each year	\$2,000 issued at discount to par at a price of 99.078% in September 2024 at 5.00%, due October 15, 2034, interest payable semi-annually on April 15 and October 15 of each year	\$1,500 issued at discount to par at a price of 98.086% in September 2024 at 5.60%, due October 15, 2054, interest payable semi-annually on April 15 and October 15 of each year	\$250 issued at premium to par at a price of 100.452% in June 2023 at 5.90%, due October 1, 2024, interest payable semi-annually on April 1 and October 1 of each year	\$550 issued at discount to par at a price of 99.887% in June 2023 at 5.25%, due July 1, 2028, interest payable semi-annually on January 1 and July 1 of each year

\$400	issued at discount to par at a price of 99.997% in March 2023 at 6.102%, due April 1, 2026, interest payable semi-annually on April 1 and October 1 of each year		
—			
\$1,300	issued at discount to par at a price of 99.934% in March 2023 at 5.90%, due October 1, 2024, interest payable semi-annually on April 1 and October 1 of each year		
—			
\$1,000	issued at discount to par at a price of 99.883% in July 2020 at 1.45%, due April 1, 2024, interest payable semi-annually on April 1 and October 1 of each year		
—			
\$750	issued at discount to par at a price of 99.820% in July 2020 at 1.75%, due April 1, 2026, interest payable semi-annually on April 1 and October 1 of each year		
750			
749			
\$2,500	issued at discount to par at a price of 99.725% in October 2015 at 4.90%, due October 15, 2025, interest payable semi-annually on April 15 and October 15 of each year		
2,499			

2,499

\$750 issued at discount to par at a price of 99.942% in October 2015 at 6.20%, due October 15, 2035, interest payable semi-annually on April 15 and October 15 of each year

750

\$1,500 issued at discount to par at a price of 99.932% in October 2015 at 6.35%, due October 15, 2045, interest payable semi-annually on April 15 and October 15 of each year

1,499

1,499

Hewlett Packard Enterprise Asset-Backed Debt Securities

\$818 issued in June 2024, in six tranches at a weighted average price of 99.99% and a weighted average interest rate of 5.59%, payable monthly from July 2024

700

—

\$796 issued in January 2024, in six tranches at a weighted average price of 99.99% and a weighted average interest rate of 5.48%, payable monthly from February 2024

583

—

[illegible]

\$753 issued in June 2021, in six tranches at a weighted average price of 99.99% and a weighted average interest rate of 0.58%, payable monthly from August 2021 with a stated final maturity date of March 2029	26	
147		
\$1,000 issued in March 2021, in six tranches at a weighted average price of 99.99% and a weighted average interest rate of 0.49%, payable monthly from April 2021 with a stated final maturity date of March 2031	—	
102		
Other, including finance lease obligations, at 1.6%-6.3%, due in calendar years 2024-2030	(1)	
208		
215		
Fair value adjustment related to hedged debt		
(58)		
(151)		
Unamortized debt issuance costs		
(76)		
(30)		
		

height:100%">Less: current portion</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(3,969)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(4,022)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#e6e6ff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:bottom">Total long-term debt</td><td style="background-color:#e6e6ff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$</td><td style="background-color:#e6e6ff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">13,504</td><td style="background-color:#e6e6ff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#e6e6ff;padding:0 1pt"></td><td style="background-color:#e6e6ff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$</td><td style="background-color:#e6e6ff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">7,487</td><td style="background-color:#e6e6ff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table></div><div style="margin-bottom:3pt;padding-left:18pt;text-align:justify;text-indent:18pt">(1)Other, including finance lease obligations included \$14 million and \$36 million as of October 31, 2024 and 2023, respectively, of borrowing- and funding-related activity associated with FS and its subsidiaries that are collateralized by receivables and underlying assets associated with the related finance and operating leases. For both the periods presented, the carrying amount of the assets approximated the carrying amount of the borrowings.</div>12500000000.999960.04451250000000012500000000.999530.04401249000000001750000000</div>Interest expense on borrowings recognized in the Consolidated Statements of Earnings was as follows:</div><div style="margin-bottom:8pt;margin-top:5pt;text-align:justify"><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:34.572%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:22.876%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.619%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.619%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.624%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"></td><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="15" style="padding:2px 1pt;text-align:center;vertical-align:bottom">For the fiscal years ended October 31,</td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Location</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 0"></td></tr></table></div>

2023	2022	In millions	Financing interest	Financing cost	\$	495	\$	383	\$	211	Interest expense	Interest and other, net	282	326	260	Total interest expense	\$	777

4950000003830000002110000002820000003260000002600000007770000007090000004710
 As of October 31, 2024, aggregate future maturities of the Company's borrowings at face value (excluding a fair value adjustment related to hedged debt of \$58 million, a net discount of \$53 million and unamortized debt issuance costs of \$76 million), including finance lease obligations were as follows:

Fiscal year	In millions	2025	2026	2027	2028
		\$4,032	\$2,710	\$1,545	\$612

style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">2029</td><td colspan="2" style="background-color:#ceeeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">1,758 </td><td style="background-color:#ceeeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Thereafter</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">7,003 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td></tr><tr><td colspan="3" style="background-color:#ceeeff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:middle">Total</td><td style="background-color:#ceeeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:middle">\$</td><td style="background-color:#ceeeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:middle">17,660 </td><td style="background-color:#ceeeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td></tr></table></div>5800000005300000007600000040320000002710000000154500000061200000001758000000700

Equity <div style="margin-top:8pt;text-align:justify;text-indent:24.75pt">The components of accumulated other comprehensive loss, net of taxes as of October 31, 2024 and changes during fiscal 2024 were as follows:</div><div style="margin-top:5pt;text-align:justify"><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:30.917%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.911%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.911%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.911%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.919%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Net unrealized
gains on
available-for-sale
securities</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-bottom:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">Net unrealized
gains (losses)
on cash
flow hedges</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-bottom:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">Unrealized
components
of defined
benefit plans</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-bottom:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">Cumulative
translation
adjustment</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-bottom:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">Accumulated
other
comprehensive
loss</td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="27" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">In millions</td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="background-color:#ceeeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Balance at beginning of period</td><td style="background-color:#ceeeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-

[illegible]

16	138	32	186
Tax benefit (provision)			
22			
	(7)		
2			
	17		
Balance at end of period			
\$			
8			
\$			
	(16)		

[illegible]

[illegible]

[illegible]

[illegible]

height:100%;</td></tr><tr><td colspan="3">In millions</td></tr><tr><td colspan="3">Balance at beginning of period</td></tr><tr><td colspan="3">15</td></tr><tr><td colspan="3">81</td></tr><tr><td colspan="3">(2,545)</td></tr><tr><td colspan="3">(466)</td></tr><tr><td colspan="3">(2,915)</td></tr><tr><td colspan="3">Other comprehensive (loss) income before reclassifications</td></tr><tr><td colspan="3">(16)</td></tr><tr><td colspan="3">1,025</td></tr><tr><td colspan="3">(315)</td></tr><tr><td colspan="3">(146)</td></tr><tr><td colspan="3">548</td></tr></table>		

[illegible]

color:#cceeef;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">109 </td><td style="background-color:#cceeef;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeef;padding:0 1pt"></td><td style="background-color:#cceeef;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$ </td><td style="background-color:#cceeef;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">(2,596) </td><td style="background-color:#cceeef;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeef;padding:0 1pt"></td><td style="background-color:#cceeef;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$ </td><td style="background-color:#cceeef;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">(610) </td><td style="background-color:#cceeef;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeef;padding:0 1pt"></td><td style="background-color:#cceeef;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$ </td><td style="background-color:#cceeef;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">(3,098) </td><td style="background-color:#cceeef;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table></div><div style="margin-bottom:8pt;margin-top:8pt;text-align:justify">7.625% Series C Mandatory Convertible Preferred Stock</div><div style="margin-bottom:8pt;margin-top:8pt;text-align:justify;text-indent:22.5pt">In September 2024, the Company issued 30 million shares of 7.625% Series C Mandatory Convertible Preferred Stock, par value \$0.01 per share (the "Preferred Stock"), for an aggregate purchase price of \$1.5 billion, less issuance costs of \$38 million. As of October 31, 2024, 30 million shares of the Preferred Stock were outstanding.</div><div style="margin-bottom:8pt;margin-top:8pt;text-align:justify;text-indent:22.5pt">Unless converted earlier in accordance with its terms, each share of Preferred Stock will automatically convert on the mandatory conversion date, which is expected to be September 1, 2027, into between 2.5352 shares and 3.1056 shares of common stock, in each case, subject to customary anti-dilution adjustments described in the certificate of designations related to the Preferred Stock (the "Certificate of Designations"). The number of shares of common stock issuable upon conversion will be determined based on the average volume weighted average price per share of common stock over the 20 consecutive trading day period beginning on, and including, the 21st scheduled trading day immediately prior to September 1, 2027.</div><div style="margin-bottom:8pt;margin-top:8pt;text-align:justify;text-indent:22.5pt">Holders of shares of Preferred Stock have the option to convert all or any portion of their shares of Preferred Stock at any time. The conversion rate applicable to any early conversion may, in certain circumstances, be increased to compensate holders of the Preferred Stock for unpaid accumulated dividends as described in the Certificate of Designations.</div><div style="text-align:justify;text-indent:22.5pt">If a Fundamental Change, as defined in the Certificate of Designations, occurs on or prior to September 1, 2027, then holders of the Preferred Stock will be entitled to convert all or any portion of their Preferred Stock at the Fundamental Change Conversion Rate, into between 1.9200 shares and 3.1056 shares of common stock, in all cases, subject to customary anti-dilution adjustments described in the Certificate of Designations, for a specified period of time and to also receive an amount to compensate them for unpaid accumulated dividends and any remaining future scheduled dividend payments. The Preferred Stock is not subject to redemption at the Company's option.</div><div style="margin-bottom:8pt;margin-top:8pt;text-align:justify"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-style:italic;font-

Dividends

The stockholders of HPE common stock are entitled to receive dividends when and as declared by the Board of Directors. The Company's ability to pay dividends will depend on many factors, such as its financial condition, earnings, capital requirements, debt service obligations, restrictive covenants in its debt, industry practice, legal requirements, regulatory constraints, and other factors that the Board of Directors deems relevant. Furthermore, so long as any share of its Preferred Stock remains outstanding, no dividend on shares of common stock (or any other class of stock junior to the Preferred Stock) shall be declared or paid unless all accumulated and unpaid dividends for all preceding dividend periods for the Preferred Stock have been declared and paid in full in cash, shares of the Company's common stock or a combination thereof, or a sufficient sum of cash or number of shares of its common stock has been set apart for the payment of such dividends, on all outstanding shares of the Preferred Stock. Dividends declared were \$0.52 and \$0.48 per common share in fiscal 2024 and 2023, respectively.

On December 05, 2024, the Company declared a regular cash dividend of \$0.13 per share on the Company's common stock, payable on January 16, 2025, to the stockholders of record as of the close of business on December 20, 2024.

Dividends on the Preferred Stock will be payable on a cumulative basis when, as and if declared by the Board of Directors, or an authorized committee thereof, at an annual rate of 7.625% on the liquidation of preference of \$50.00 per share. The Company may pay declared dividends in cash or, subject to certain limitations, in shares of its common stock or in any combination of cash and shares of its common stock on March 1, June 1, September 1 and December 1 of each year, commencing on December 1, 2024, and ending on, and including, September 1, 2027. The Company has declared a cash dividend of \$0.82604167 per share of its 7.625% Series C Mandatory Convertible Preferred Stock, which was paid on December 1, 2024, to holders of record as of the close of business on November 15, 2024.

Share Repurchase Program

On October 13, 2015, the Board of Directors approved a share repurchase program with a \$3.0 billion authorization, which was refreshed with additional share repurchase authorizations of \$3.0 billion, \$5.0 billion and \$2.5 billion on May 24, 2016, October 16, 2017 and February 21, 2018, respectively. This program, which does not have a specific expiration date, authorizes repurchases in the open market or in private transactions.

In fiscal 2024, the Company repurchased and settled a total of 7.8 million shares under its share repurchase program through open market repurchases, which included 0.2 million shares that were unsettled open market repurchases as of October 31, 2023. Additionally, the Company had unsettled open market repurchases of 0.1 million shares as of October 31, 2024. Shares repurchased during the fiscal 2024 were recorded as a \$150 million reduction to stockholders' equity. As of October 31, 2024, the Company had a remaining authorization of approximately \$0.8 billion for future share repurchases.

In fiscal 2023, the Company repurchased and settled a total of 27.2 million shares under its share repurchase program through open market repurchases, which included 0.3 million shares that were unsettled open market repurchases as of October 31, 2022. Additionally, the Company had unsettled open market repurchases of 0.2 million shares as of October 31, 2023. Shares repurchased during the fiscal 2023 were recorded as a \$0.4 billion reduction to stockholders' equity.

The components of accumulated other comprehensive loss, net of taxes as of October 31, 2024 and changes during fiscal 2024 were as follows:

[illegible]

[illegible]

7

2	17	8	8	2,342	627	2,977	2,917

Balance at end of period

\$	\$	\$	\$	\$	\$	\$	\$

(16)

(2,342)

(627)

(2,977)

(2,917)

The components of accumulated other comprehensive loss, net of taxes as of October 31, 2023 and changes during fiscal 2023 were as follows:

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

~~960000000-16000000-138000000-32000000-1860000000-220000007000000-2000000-1700000008000000-16000000-2342000000-627000000-2977000000-1000000109000000-2596000000-610000000-309800000001000000-177000000-99000000-32000000-3070000000-116000000-1470000000-2630000000-13000000-41000000-4000000-580000000061000000-2507000000-638000000-3084000000015000000081000000-2545000000-466000000-2915000000-1600000001025000000-315000000-146000000054800000000978000000-160000000008180000000019000000-104000000-2000000-87000000-1000000109000000-2596000000-610000000-309800000000.076253000000000.076250.01150000000003800000003000000002.53523.1056201.92003.1~~

Earnings Per Share<div style="margin-bottom:8pt;margin-top:8pt;text-indent:24.75pt">The Company calculates basic net EPS using net earnings and the weighted-average number of shares outstanding during the reporting period. </div><div style="margin-top:8pt;text-align:justify;text-indent:24.75pt">The reconciliations of the numerators and denominators of each of the basic and diluted net EPS calculations were as follows: </div><div style="margin-top:5pt;text-align:justify"><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:59.280%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.619%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.619%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.622%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"> </td><td colspan="15" style="padding:2px 1pt;text-align:center;vertical-align:bottom">For the fiscal years ended October 31,</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"> </td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-bottom:1pt solid #000000;border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-bottom:1pt solid #000000;border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2022</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"> </td><td colspan="15" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">In millions, except per share amounts</td></tr><tr><td colspan="3" style="background-color:#e6e6ff;padding:2px 1pt;text-align:left;vertical-align:bottom">Numerator:</td><td colspan="3" style="background-color:#e6e6ff;padding:2px 1pt;text-align:right;vertical-align:bottom"> </td><td colspan="3" style="background-color:#e6e6ff;padding:0 1pt"></td><td colspan="3" style="background-color:#e6e6ff;padding:2px 1pt;text-align:right;vertical-align:bottom"> </td></tr><tr><td colspan="3" style="background-color:#e6e6ff;padding:0 1pt"></td><td colspan="3" style="background-color:#e6e6ff;padding:2px 1pt;text-align:right;vertical-align:bottom"> </td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 12.25pt;text-align:left;vertical-align:bottom">Net earnings attributable to common stockholders-Basic</td><td colspan="3" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-

	0								
	2,554								
	2,025								
	868								
Plus: 7.625% Series C mandatory convertible preferred stock dividends									
	25								
	—								
	—								
	2,579								
	2,025								
	868								
Denominator:									

Weighted-average shares used to compute basic net EPS		
1,309		
1,299		
1,303		
Dilutive effect of employee stock plans		
(1)		
18		
17		
19		
Dilutive effect of 7.625% Series C mandatory convertible preferred stock		
(1)		
10		
—		
1,337		

[illegible]

(2)

The impact of dilutive effect of employee stock plans is calculated under the treasury stock method, and the impact of dilutive effect of the 7.625% Series C Mandatory Convertible Preferred Stock is calculated under the if-converted method.

The Company excludes shares potentially issuable under employee stock plans that could dilute basic net EPS in the future from the calculation of diluted net earnings per share, as their effect, if included, would have been anti-dilutive for the periods presented.

The Company calculates basic net EPS using net earnings and the weighted-average number of shares outstanding during the reporting period.

The reconciliations of the numerators and denominators of each of the basic and diluted net EPS calculations were as follows:

	2024	2023
Numerator	\$10.0 million	\$10.0 million
Denominator	11.622 million	11.619 million
Diluted Net Earnings Per Share	\$0.86	\$0.86

2022	In millions, except per share amounts			Numerator:			Denominator:			Net earnings attributable to common stockholders – Basic			\$ 2,554			Net earnings attributable to common stockholders – Diluted			Plus: 7.625% Series C mandatory convertible preferred stock dividends			25			—			Net earnings – Diluted		

2,579	2,025	868	Denominator:	Weighted-average shares used to compute basic net EPS	1,309	1,299	1,303	Dilutive effect of employee stock plans	(1)	18	17	19

[illegible]

Diluted		
	1.93	
	1.54	
	0.66	

Anti-dilutive weighted-average stock awards (2)

—	2

Contingencies, and Commitments

(1) The impact of dilutive effect of employee stock plans is calculated under the treasury stock method, and the impact of dilutive effect of the 7.625% Series C Mandatory Convertible Preferred Stock is calculated under the if-converted method.

(2) The Company excludes shares potentially issuable under employee stock plans that could dilute basic net EPS in the future from the calculation of diluted net earnings per share, as their effect, if included, would have been anti-dilutive for the periods presented.

Hewlett Packard Enterprise is involved in various lawsuits, claims, investigations and proceedings including those consisting of intellectual property, commercial, securities, employment, employee benefits, and environmental matters, which arise in the ordinary course of business. In addition, as part of the Separation and Distribution Agreement (the "Separation and Distribution Agreement") entered into in connection with Hewlett Packard Enterprise's spin-off from HP Inc. (formerly known as "Hewlett-Packard Company") (the "Separation"), Hewlett Packard Enterprise and HP Inc. agreed to cooperate with each other in managing certain existing litigation related to both parties' businesses. The Separation and Distribution Agreement included provisions that allocate liability and financial responsibility for pending litigation involving the parties, as well as provide for cross-indemnification of the parties against liabilities to one party arising out of liabilities allocated to the other party. The Separation and Distribution Agreement also included provisions that assign to the parties responsibility for managing pending and future litigation related to the general corporate matters of HP Inc. arising prior to the Separation. Hewlett Packard Enterprise records a liability when it believes that it is both probable that a liability has been incurred and the amount of loss can be reasonably estimated. Significant judgment is required to determine both the probability of having incurred a liability and the estimated amount of the liability. Hewlett Packard Enterprise reviews these matters at least quarterly and adjusts these liabilities to reflect the impact of negotiations, settlements, rulings, advice of legal counsel, and other updated information and events pertaining to a particular matter. Litigation is inherently unpredictable. However, Hewlett Packard Enterprise believes it has valid defenses with respect to legal matters pending against us. Nevertheless, cash flows or results of operations could be materially affected in any particular period by the resolution of one or more of these contingencies. Hewlett Packard Enterprise believes it has recorded adequate provisions for any such matters and, as of October 31, 2024, it was not reasonably possible that a material loss had been incurred in connection with such matters in excess of the amounts recognized in its financial statements.

Litigation, Proceedings and Investigations

Ross and Rogus v. Hewlett Packard Enterprise Company.

On November 8, 2018, a putative class action complaint was filed in the Superior Court of California, County of Santa Clara alleging that HPE pays its California-based female employees "systemically lower compensation" than HPE pays male employees performing substantially similar work. The complaint alleges various California state law claims, including California's Equal Pay Act, Fair Employment and Housing Act, and Unfair Competition Law, and seeks certification of a California-only class of female employees employed in certain "Covered Positions." The parties subsequently reached an agreement to resolve this class action. The terms of the settlement are reflected in Plaintiff's Motion for Preliminary Approval of Class Action Settlement and Certification of Settlement Class, which was filed with the Court on September 26, 2022. On November 3, 2022, the Court granted Plaintiff's motion and preliminarily approved the terms of the class settlement, which defines the settlement class as all "[w]omen actively employed in California by Defendant at any point from November 1, 2015, through the date of Preliminary Approval" who were employed in a covered job code. The settlement class excludes certain individuals, including those who previously executed an arbitration agreement with HPE or an agreement that resulted in a release or waiver of claims. On April 28, 2023, the Court granted Plaintiffs' Motion for Final Approval of the Class Action Settlement and Certification of the Settlement Class. On February 6, 2024, the Court entered final judgment, approving the settlement and dismissing the action.

India Directorate of Revenue Intelligence Proceedings

On April 30 and May 10, 2010, the India Directorate of Revenue Intelligence (the "DRI") issued notices to Hewlett-Packard India Sales Private Ltd ("HP India"), a subsidiary of HP Inc., seven HP India employees and one former HP India employee alleging that HP India underpaid customs duties while importing products and spare parts into India and seeking to recover an aggregate of approximately \$370 million, plus penalties. On April 11, 2012, the Bangalore Commissioner of Customs issued an order on the products-related notices affirming duties and penalties against HP India and the named individuals for approximately \$386 million. On April 20, 2012, the Commissioner issued an order on the spare parts-related notice affirming duties and penalties against HP India and certain of the named individuals for approximately \$17 million. HP India filed appeals of the Commissioner's orders before the Customs Tribunal. The Customs Department filed cross-appeals before the Customs

Tribunal. On October 27, 2014, the Customs Tribunal commenced hearings on the cross-appeals of the Commissioner's orders. The Customs Tribunal rejected HP India's request to return the matter to the Commissioner on procedural grounds. The hearings before the Customs Tribunal were subsequently delayed, have been postponed on several occasions since 2014, and have not yet been rescheduled.

ECT Proceedings

In January 2011, the postal service of Brazil, Empresa Brasileira de Correios e Telégrafos ("ECT"), notified a former subsidiary of HP Inc. in Brazil ("HP Brazil") that it had initiated administrative proceedings to consider whether to suspend HP Brazil's right to bid and contract with ECT related to alleged improprieties in the bidding and contracting processes whereby employees of HP Brazil and employees of several other companies allegedly coordinated their bids and fixed results for three ECT contracts in 2007 and 2008. In late July 2011, ECT notified HP Brazil it had decided to

apply the penalties against HP Brazil and suspend HP Brazil's right to bid and contract with ECT for five years, based upon the evidence before it. In August 2011, HP Brazil appealed ECT's decision. In April 2013, ECT rejected HP Brazil's appeal, and the administrative proceedings were closed with the penalties against HP Brazil remaining in place. In parallel, in September 2011, HP Brazil filed a civil action against ECT seeking to have ECT's decision revoked. HP Brazil also requested an injunction suspending the application of the penalties until a final ruling on the merits of the case, which was denied. HP Brazil appealed the denial of its request for injunctive relief to the intermediate appellate court, which issued a preliminary ruling denying the request for injunctive relief but reducing the length of the sanctions from

five to two years. HP Brazil appealed that decision and, in December 2011, obtained a ruling staying enforcement of ECT's sanctions until a final ruling on the merits of the case. HP Brazil expects a resolution of the decision on the merits to take several years.

Forsyth, et al. vs. HP Inc. and Hewlett Packard Enterprise.

This purported class and collective action was filed on August 18, 2016 in the United States District Court for the Northern District of California, against HP Inc. and Hewlett Packard Enterprise (collectively, "Defendants") alleging Defendants violated the Federal Age Discrimination in Employment Act ("ADEA"), the California Fair Employment and Housing Act, California public policy and the California Business and Professions Code by terminating older workers and replacing them with younger workers. Plaintiffs seek to certify a nationwide collective action under the ADEA comprised of individuals aged 40 years and older who had their employment terminated by an HP entity pursuant to a work force reduction ("WFR") plan. Plaintiffs also seek to certify a class under California law consisting of all persons 40 years or older employed by Defendants in the state of California and terminated pursuant to a WFR plan on or after August 18, 2012. On April 14, 2021, Plaintiffs' Motion for Conditional Class Certification was granted. The conditionally certified collective action consists of all individuals who had their employment terminated by Defendants pursuant to a WFR Plan on or after November 1, 2015, and who were 40 years or older at the time of such termination. The collective action excludes all individuals who signed a Waiver and General Release Agreement or an Agreement to Arbitrate Claims. The parties have reached an agreement to resolve this matter. Plaintiffs filed a Motion for Preliminary Approval of the Class Action and Collective Action Settlement on September 21, 2023. On November 3, 2023, the Court issued an order granting preliminary approval to the Class Action and Collective Action Settlement. On March 29, 2024, the Court granted Final Approval to the settlement following a Fairness Hearing on the parties' Motion for Final Approval. Judgment has been entered by the Court and the matter is now closed.

Q3 Networking Litigation.

On September 21 and September 22, 2020, Q3 Networking LLC filed complaints against HPE, Aruba Networks, Commscope and Netgear in the United States District Court for the District of Delaware and the United States International Trade Commission ("ITC"). Both complaints allege infringement of four patents, and the ITC complaint defines the "accused products" as "routers, access points, controllers, network management servers, other networking products, and hardware and software components thereof." The ITC action was instituted on October 23, 2020. The District of Delaware action has been stayed pending resolution of the ITC action. On December 7, 2021, the

Administrative Law Judge issued his initial determination finding no violation of section 337 of the Tariff Act. On May 3, 2022, the ITC issued its Notice of Final Determination, affirming the initial determination and terminating the investigation. On June 18, 2022, Q3 Networking filed a petition for review of the ITC ruling with the United States Court of Appeals for the Federal Circuit.

On May 10, 2024, the United States Court of Appeals for the Federal Circuit affirmed the ITC's ruling in favor of HPE and Aruba Networks. Q3 Networking has not sought further review of the Federal Circuit's ruling and HPE considers the matter closed.

R2 Semiconductor Patent Litigation.

In November 2022, R2 Semiconductor, Inc. ("R2") filed a lawsuit in the Dusseldorf Regional Court in Germany against Intel Deutschland GmbH, Hewlett-Packard GmbH, and other Intel customers. R2 asserts that one European patent is infringed by certain Intel processors and the HPE products that contain those Intel processors. On February 7, 2024, the Dusseldorf Regional Court ruled in R2's favor, issuing an injunction that, if enforced by R2, would prevent the sale in Germany of any products with infringing Intel processors, and require HPE to correspond with its direct customers in Germany requesting return of the products with infringing Intel processors. The injunction would remain in place unless the ruling is overturned on appeal, the patent is invalidated by the German Federal Patent Court, or the matter is resolved by the parties. On February 8, 2024, HPE, Intel, HP Inc., and Dell filed an appeal and request for a stay of the judgment pending appeal. On April 9, 2024 the request for a stay pending appeal was denied. On April 3, 2024, R2 filed a lawsuit in France in the first instance court in Paris (Tribunal judiciaire de Paris) against Intel Corporation, Intel Corporation SAS, Intel Deutschland GmbH, HP France SAS and certain other Intel customers. In May 2024, R2 filed suit in Milan against Intel Corporation Italia S.P.A., Hewlett-Packard Italiana S.r.l., and certain other Intel customers. R2 asserts the same European patent is infringed in both the French and Italian actions. On August 30, 2024, Intel and R2 publicly announced an agreement to dismiss all litigation between the two companies that would include dismissal of all litigation against all subsidiaries of HPE in the foregoing actions. Pursuant to that agreement, the Italian lawsuit was dismissed on September 2, 2024, the German lawsuit was dismissed on September 4, 2024, and the French Lawsuit was dismissed on September 6, 2024. These matters are now closed.

Shared Litigation with HP Inc., DXC and Micro Focus

As part of the Separation and Distribution Agreements between Hewlett Packard Enterprise and HP Inc., Hewlett Packard Enterprise and DXC, and Hewlett Packard Enterprise and Seattle SpinCo, the parties to each agreement agreed to cooperate with each other in managing certain existing litigation related to both parties' businesses. The Separation and Distribution Agreements also included provisions that assign to the parties responsibility for managing pending and future litigation related to the general corporate matters of HP Inc. (in the case of the separation of Hewlett Packard Enterprise from HP Inc.) or of Hewlett Packard Enterprise (in the case of the separation of DXC from Hewlett Packard Enterprise and the separation of Seattle SpinCo from Hewlett Packard Enterprise), in each case arising prior to the applicable separation.

Environmental

The Company's operations and products are or may in the future become subject to various federal, state, local and foreign laws and regulations concerning the environment, including laws addressing the discharge of pollutants into the air and water; supply chain due diligence, and sustainability, environment, and emissions-related reporting; the management, movement, and disposal of hazardous substances and wastes; the clean-up of contaminated sites; product compliance and safety; the energy consumption of products, services, and operations; and the operational or financial responsibility for recycling, treatment, and disposal of those products. This includes legislation that makes producers of electrical goods, including servers and networking equipment, subject to certain repairability requirements or financially responsible for specified collection, recycling, treatment, and disposal of past and future covered products (sometimes referred to as "product take-back legislation"). The Company could incur substantial costs, its products could be restricted from entering certain

jurisdictions, and it could face other sanctions, if it were to violate or become liable under environmental laws, including those related to addressing climate change and other environmental related issues, or if its products become non-compliant with such environmental laws. The Company's potential exposure includes impacts on revenue, fines and civil or criminal sanctions, third-party property damage or personal injury claims and clean-up costs. The amount and timing of costs to comply with environmental laws are difficult to predict.

In particular, the Company may become a party to, or otherwise involved in, proceedings brought by U.S. or state environmental agencies under the Comprehensive Environmental Response, Compensation and Liability Act ("CERCLA"), known as "Superfund," or other federal, state or foreign laws and regulations addressing the clean-up of contaminated sites, and may become a party to, or otherwise involved in, proceedings brought by private parties for contribution towards clean-up costs. The Company is also contractually obligated to make financial contributions to address actions related to certain environmental liabilities, both ongoing and arising in the future, pursuant to its Separation and Distribution Agreement with HP Inc.

Unconditional Purchase Obligations

As of October 31, 2024, the Company had unconditional purchase obligations of approximately \$1.3 billion. These unconditional purchase obligations include agreements to purchase goods or services that are enforceable and legally binding on the Company and that specify all significant terms, including fixed or minimum quantities to be purchased, fixed, minimum or variable price provisions and the approximate timing of the transaction, as well as settlements that the Company has reached with third parties, requiring it to pay determined amounts over a specified period of time. These unconditional purchase obligations are related principally to inventory purchases, software maintenance and support services and other items. Unconditional purchase obligations exclude agreements that are cancellable without penalty. The Company expects the commitments to total \$556 million, \$368 million, \$278 million, \$68 million, and \$13 million, for fiscal years 2025, 2026, 2027, 2028, and 2029, respectively. There are no unconditional purchase obligations subsequent to fiscal year 2029.

7137000000003860000001700000003P5YP2YP40Y4130000000055600000003680000000278000000 and Indemnifications

Guarantees

In the ordinary course of business, the Company may issue performance guarantees to certain of its clients, customers and other parties pursuant to which the Company has guaranteed the performance obligations of third parties. Some of those guarantees may be backed by standby letters of credit or surety bonds. In general, the Company would be obligated to perform over the term of the guarantee in the event a specified triggering event occurs as defined by the guarantee. The Company believes the likelihood of having to perform under a material guarantee is remote.

The Company has entered into service contracts with certain of its clients that are supported by financing arrangements. If a service contract is terminated as a result of the Company's non-performance under the contract or failure to comply with the terms of the financing arrangement, the Company could, under certain circumstances, be required to acquire certain assets related to the service contract. The Company believes the likelihood of having to acquire a material amount of assets under these arrangements is remote.

The maximum potential future payments under performance guarantees and financing arrangements was \$298 million as of October 31, 2024.

Indemnifications

In the ordinary course of business, the Company enters into contractual arrangements under which the Company may agree to indemnify a third party to such arrangement from any losses incurred relating to the services they perform on behalf of the Company or for losses arising from certain events as defined within the particular contract, which may include, for example, litigation or claims relating to past performance. The Company also provides indemnifications to certain vendors and customers

against claims of intellectual property infringement made by third parties arising from the use by such vendors and customers of the Company's software products and support services and certain other matters. Some indemnifications may not be subject to maximum loss clauses. Historically, payments made related to these indemnifications have been immaterial.

General Cross-indemnifications

In connection with the Separation, Everett and Seattle Transactions, the Company entered into a Separation and Distribution Agreement with HP Inc., DXC and Micro Focus respectively, whereby the Company agreed to indemnify HP Inc., DXC and Micro Focus, each of its subsidiaries and each of their respective directors, officers and employees from and against all liabilities relating to, arising out of or resulting from, among other matters, the liabilities allocated to the Company as part of the Separation, Everett and Seattle Transactions. Similarly, HP Inc., DXC and Micro Focus agreed to indemnify the Company, each of its subsidiaries and each of their respective directors, officers and employees from and against all claims and liabilities relating to, arising out of or resulting from, among other matters, the liabilities allocated to HP Inc., DXC and Micro Focus as part of the Separation, Everett and Seattle Transactions.

Tax Matters Agreement with DXC/Micro Focus and Other Income Tax Matters

In connection with the Everett Transaction and the Seattle Transaction, the Company entered into a Tax Matters Agreement with DXC and Micro Focus respectively (the "DXC Tax Matters Agreement" and the "Micro Focus Tax Matters Agreement"). The DXC Tax Matters Agreement and the Micro Focus Tax Matters Agreement govern the rights and obligations of the Company and DXC/Micro Focus for certain pre-divestiture tax liabilities and tax receivables. The DXC Tax Matters Agreement and the Micro Focus Tax Matters Agreement generally provide that the Company will be responsible for pre-divestiture tax liabilities and will be entitled to pre-divestiture tax receivables that arise from adjustments made by tax authorities to the Company's and DXC's, or Micro Focus', as applicable, U.S. and certain non-U.S. tax returns. In certain jurisdictions, the Company and DXC/Micro Focus have joint and several liability for past tax liabilities and accordingly, the Company could be legally liable under applicable tax law for such liabilities and required to make additional tax payments.

In addition, if the distribution of Everett's or Seattle's common shares to Hewlett Packard Enterprise's stockholders is determined to be taxable, the Company would generally bear the tax liability, unless the taxability of the distribution is the direct result of actions taken by DXC/Micro Focus, in which case DXC/Micro Focus would be responsible for any taxes imposed on the distribution.

As of October 31, 2024 and 2023, the Company's receivable and payable balances related to indemnified litigation matters and other contingencies, and income tax-related indemnification covered by these agreements were as follows:

	Receivable	Payable	Income Tax-Related Indemnification
2024	\$0.00	\$0.00	\$0.00
2023	\$0.00	\$0.00	\$0.00

In millions								
Litigation Matters and Other Contingencies								
Receivable			\$			37		
Payable			47					
Income Tax-Related Indemnification			(1)					
Net indemnification receivable			long-term					

11

<tr> <td style="width: 1.0%;"></td> <td style="width: 98.900%;"></td> <td style="width: 0.1%;"></td> </tr> <tr> <td colspan="3" style="height: 3pt;"> </td> </tr>								

(1)
The actual amount that the Company may receive or pay could vary depending upon the outcome of certain unresolved tax matters, which may not be resolved for several years.

As of October 31, 2024 and 2023, the Company's receivable and payable balances related to indemnified litigation matters and other contingencies, and income tax-related indemnification covered by these agreements were as follows:

			As of October 31,								
2024											
2023			In millions								
Litigation Matters and Other Contingencies											
Receivable			\$								

[illegible]

(1) The actual amount that the Company may receive or pay could vary depending upon the outcome of certain unresolved tax matters, which may not be resolved for several years.

Equity Interests

The Company includes investments which are accounted for using the equity method, under Investments in equity interests on the Company's Consolidated Balance Sheets.

Pursuant to the Shareholders' Agreement among the Company's relevant subsidiaries, Unisplendour International Technology Limited ("UNIS"), and H3C dated as of May 1, 2016, as amended from time to time, and most recently on October 28, 2022, the Company delivered a notice to UNIS on December 30, 2022, to exercise its right to put to UNIS, for cash consideration, all of the H3C shares held by the Company, which represent 49% of the total issued share capital of H3C. On May 26, 2023, the Company's relevant subsidiaries entered into a Put Share Purchase Agreement with UNIS, whereby UNIS has agreed to purchase all of the H3C shares held by the Company, through its subsidiaries. On May 24, 2024, the Company's relevant subsidiaries entered into (i) an Amended and Restated Put Share Purchase Agreement with UNIS, whereby its relevant subsidiaries shall sell to UNIS 30% of the total issued share capital of H3C for pre-tax cash consideration of approximately \$2.1 billion by August 31, 2024 (the "Sale Transaction"), and (ii) an Agreement on Subsequent Arrangements with UNIS, whereby upon closing of the Sale Transaction, the Company's relevant subsidiary shall have a put option to sell to UNIS and UNIS shall have a call option to purchase from the Company's relevant subsidiary 19% of the total issued share capital of H3C for pre-tax cash consideration of approximately \$1.4 billion between the 16th month and until the 36th month after the Sale Transaction. The transactions referenced in clauses (i) and (ii) above, taken together, revise the arrangements governing the aforementioned sale of all of the H3C shares held by the Company, through its subsidiaries and are subject to certain grace periods and regulatory approvals. On September 4, 2024, pursuant to the Amended and Restated Put Share Purchase Agreement with UNIS (as described above), the Company received \$2.1 billion of pre-tax consideration (\$2.0 billion post-tax), in connection with the sale to UNIS of 30% of the total issued share capital of H3C resulting in a gain of \$733 million. As of October 31, 2024, the Company's Investments in equity interests was \$929 million and primarily related to a 19% equity interest in H3C. As of October 31, 2023, the Company's Investments in equity interests was \$2.2 billion and primarily related to a 49% equity interest in H3C.

As of October 31, 2024, the difference between the cost of the investment and the underlying equity in the net assets of the investment is \$649 million. As of October 31, 2024 and 2023, the Company determined that no impairment of its equity method investments existed.

Earnings from equity interests

The Company recorded earnings from equity interests of \$147 million, \$245 million and \$215 million in fiscal 2024, 2023 and 2022, respectively, in the Consolidated Statements of Earnings, the components of which are as follows:

[illegible]

Earnings from equity interests

12	Earnings from equity interests								
147	\$								
245	\$								
215	\$								

The Company recorded earnings from equity interests of \$147 million, \$245 million and \$215 million in fiscal 2024, 2023 and 2022, respectively, in the Consolidated Statements of Earnings, the components of which are as follows:

	For fiscal 2024 and 2023, the Company received a cash dividend of \$43 million and \$200 million, respectively, from H3C. These amounts were accounted for as a return on investment and reflected as a reduction in the carrying balance of the Company's Investments in equity interests in its Consolidated Balance Sheets.							
	The Company also has commercial arrangements with H3C to buy and sell HPE branded servers, storage and networking products and services. For fiscal 2024, 2023 and 2022, HPE recorded approximately \$256 million, \$383 million and \$848 million of sales to H3C and \$72 million, \$125 million and \$148 million of purchases from H3C, respectively. Payables due to H3C as of October 31, 2024 and 2023 were approximately \$7 million and \$10 million, respectively. Receivables due from H3C as of October 31, 2024 and 2023 were approximately \$7 million and \$12 million, respectively.							

0.490.3021000000000.191400000000210000000020000000000.307330000009290000000.192

The Company recorded earnings from equity interests of \$147 million, \$245 million and \$215 million in fiscal 2024, 2023 and 2022, respectively, in the Consolidated Statements of Earnings, the components of which are as follows:

	For fiscal 2024 and 2023, the Company received a cash dividend of \$43 million and \$200 million, respectively, from H3C. These amounts were accounted for as a return on investment and reflected as a reduction in the carrying balance of the Company's Investments in equity interests in its Consolidated Balance Sheets.							
	The Company also has commercial arrangements with H3C to buy and sell HPE branded servers, storage and networking products and services. For fiscal 2024, 2023 and 2022, HPE recorded approximately \$256 million, \$383 million and \$848 million of sales to H3C and \$72 million, \$125 million and \$148 million of purchases from H3C, respectively. Payables due to H3C as of October 31, 2024 and 2023 were approximately \$7 million and \$10 million, respectively. Receivables due from H3C as of October 31, 2024 and 2023 were approximately \$7 million and \$12 million, respectively.							

[illegible]

@@@

M&WJINI#Z<0/UU+@A\$H+VEM6G%#N0QJOU+P04"~90L9)X4I.M.GS: # & 0'& 'AL+V-OTVUTVN.Y.T&MMI\$KW2(AB3<4P8*0%=-I?W+1-&Q MS#IMYSZ8HfL= @!>W8IGVV4.MPN133LRZJIV.4TICF7JCEHF6I.4I7H1M04.88244L1VWMGM1694IJOAB2.231K*2N2\$1LVIOJ9519?<O^L.H.N.M39K82H)2V1WCW1.W1N05? 5K669CE?<2=>L+1.Q.OHRVKSJDIM*OYN:L+V2.MI5A.OJU:U.HI.OU.K.K.M:>+U.A.OF4LH1P16:1>0U2?9<3%F5HJEDT1+& MWJ:#=>7FKQR.S2^E1AG+JY\$>IR>^?O^q# TZ18.=@2E212N3EE(2-8X 21@+RP.MVVUHY87R/=-492?5QJOUVKNUE5560@4R44RU161O7H>L>L5G#0#68V'TZ M00H60:Y.PUK\$HCZ9S466BPPIO4LUN\$Y+U#%<FEL.KX.CN>+<#L1.MJMA<2>X1=6GTZIJZM>B7=HIV9U4I.H>4^4H6&D2ZSTLE?>ID.V.MFNIY7? RL182<2S63GNGS44V0K@PIPKY.OUJ2Y.Y93@>12?B=12.MP.X.X6R#.M3L1L~CC2PEOREC.LJO&@LIS:UEUN9?ZA&\$+58\$1+M<L<B<@Y.F.Y2IY7B=-P=P= +P2U<0<0^3.GI4UZ8T12ED3LL@Y\$ON.M+A.SI(F~R7%GSM+8)~>V?UDIZ.R8N1I6HJN1+>L>I+FO&B18G.7>>@4M6HMZX6+OD+\$\$%SIL+NE9&*W7X.LO@JUGIGYND*BZ.Q8*8*74? Y>SF6PDIM2.MK&5F*~4UJ.P70+>22P3WH.SR1P1P.MK00W>C2D#OPU5^2POI<C1*PN.8A4YJW0>Y?>Z8=-#0I@4C.BZG4NM.MR05%5+1G.5JRC.DAKN?> I7.D5.P.#?10C4IY04UM84%0FH>+>W2.MTFH.P28B.RRPP1L.C&U7V\$@#1&S..1MDP33%*81T1M.K.K.4.S8.D7P9QF+H0I.A19?~GL.71KPKI>@>O@P.IZT.IZZ+QW13ULK3# M4I3VCW.S9V\$S/P~*W1?~UT~21<~YF2%62+1N9I50>V7L1XA2IXV61.M3V5&B2I8N.NEBA=89(O4B7)H6/@B92<@N0I>1506V2L.MH1I.M00121HJ20F+L+&1&J1E.MFM.MI6I IYX*F591XZDVIV.M2M.AH.M+FIJB~R.99F7QOKW17OZ@NIZK~G&R1UJUMJ.IFOY.D.H2.6I2.K.\$~1.MO.2+L.57UR.V9S(R4VR)J2.H.619I="QI<.&9&Z>2%3TH.YOI(F.WOX.M: XQC/DL.OY<6DWA7NIG\$>X.LPT#>R1THJ54G1C<1@DLHJNQV3W.M=MU3J1H7J2H>=>#>N.Y+M.5B\$2VSJJOI2EP+U70F<AR6=96Q5GUW.MO~Z23130GKX3+&U%@@A+:+&R~: I60X&K4>J>~(UJ4I0602R)M0?12H84.MJ3LC9.OESUNL7YMR.F0H6I~G.CNYP&06K2N.2V4JG<M.Y503K3X8IG.6@>ZG.C3DZHUJ0I.TJO45=-#6IHEMV.O=-RDT+ <KJ.U#U.OX&E8.XM.\$Q13"MI#MWTVN@?>=Y+ZO.#8@T'N="S\$!<L.LCJ63V="BDI=47?>Z^9CM/2MH>9&FTFKZ3?5VM+TM?45I9?5XC6[RR^>+IO!""IK&MU(3QO)> <26GRF\$.#N8PL.I.VEL.6%OW(D&BS)W=UW=K7EY>S<60@XBJA?>=4M.W02CYAVM~WNAU&O>S>=>0[VN@E15I&HFO.YIPI4.GH1.9>+PO=VIR.W.H965TWZQ+ M1TRWV.&#29B0O.D3KA<2>EVA8ID21)MO&QWOVIRW+BJ.D?>A?>DWL1->Z.W026INIZPIFINSP3^JRW..9X&OYU.MO.YTP.9<0<05+ES."M6@IUH3A1K">#? W1*1KF+16H1E1JWFIH(T62KX.MM0)=YGE33N.M>R>U05^O+&B&=SGI9S4QMNOA.7~&4&42YF5H10.M2766W@GYO>Q2D?2M.LR1+&H109UNWB=GO1\$IO#>+&Tl@+&GE\$SS+^C5 M+@>A+AINW2.YOT+M+&C4NF+8?Q6I9V5UICU4I5F2DLMJ.SRIXOQ4R.MTW.SK\$&L.CV2VSD7@FCIGDJIW7=57YH?Q3PCXE8IO178.62W2L.FITIN.MO~H1\$)=5HW*H?<&S (504Y045\$2SK7F2Z~ML&7&J2I?1I)~*QSA?T<@WY1\$S1P3B0I.0>4~6%1J.VW.\$S1.M@.(O#IXIS.PLMJZP.1SR5YGYIYV?IC4\$1~7I2<1&H1@180Y60\$S.MOG.URW055R12?F0K&P5C4LOH12\$SPO&QV&EOLQIVIER6<1F1+2&S2T.MR15D6CY&S4%G4M+YR.VY=>0.LLL39C19S<&+YB4H&Z>250.PU.KC1B194S.M5H1@O5C&ZIAEL>=>#S1 8RB57=1A1^&CPX.U.BF<99JN&O>4.5U\$Z.M4Y1.I.KAZ.TF<ID?F>+7I1~&X*92NF4IE406T2N.9CJZQB&@87C.7R2I.M~O10I1H6B+KV262LH.??GF7>?>+!IO(8HL\$SOH.O.M3-8~SL~> H6A.O2PH\$%IKK>6~T.6MCFZPW#M@N<1F7YX06U4.3LNCARH>E.D6.YIYVYW52I?>5KU2~W2I9A~ MMT6Y1Y.DYI&SU+8~T\$U&S.WW.NT41.L+J.SL\$Y?TE#?Q78&G.6H%QSEB=W=B.MJP.MJP.X5H1<MP16)DI4I40OZ.3>S1J1+2M4QX5L*UC.I(4+ETE<+JL*YB5J140MG.MU I5~J.H.BP15^CF.5HC~*W0I2&ST0I4X680A4I.KI2.954H.MJKE<C4V.OQ~X00R216JW.WWOT?X5P91~PH.E&S.NY#.*M*~JG&7#RF.MI.9MHC20ADD3N&8.AB?"ISTM6@A" IX13^<IBC1N1%QS1.LX~*%YIM.MO1B14D.2%P15^F1J4W4E^GZ54E.NV6&EX.X&OHIZ.K1D5UC8K~17IWMHJ M~A1J7IR1YU8GY=CUREH.V.2U@>84XVM+WU3O)WP+JOU.WGJO.Y7W5FV.MGNSU4ACG.LV1?<R5<+O)M*Y2R1.3DOJ3DPZ=~>RTC.9T8GXR/XP8B KY.AH.#BW21N1&R.1^32^EP61S.IJUEG1G% M~12P&KIFYH@KGE724\$1#110(I'E'DUDI27G<D>.<R.M+&PO=VIR.W.H965T?>A=83U(T'NM2.I.MO~71Q?49I79>5N9B1FF9S. IY~*76TISIC.HPLM#U6C9XKQ=3LZF5\$G1.MNISZKAM/U1H2I?~YI27FNVZ8L*O6<%J9<KV7I<XU?27QI2.>QO^Y.JA.M%1+XUD439?RM9.MV750H1J3J^Z&6Z. I'POINW<630166L.OU>X66@U.M4.FH.H8K<@<1HX^+<F13%<613NQ\$S^>L.Y5YK>1%3.CI6Y85%X.YHJ#K+MUI@ML*ZYU.HRW59.42T3\$S>#AHA.OH@U=U?>2.5.3Z7.MB5DVSGO.U MI>T.0MOSQ5M=2LC76EYRQ<U13%HSZV.Y2>Z7X4+L1.YPG21<1>1?271.M+1.W&8?1=N?^F1NFIDM?^2DA9C19?YQLOI9^8NIG+H^H1E.I.7NR1K.M&QFLQZ1%U4LLK6IAHHHFL LPAED?>E.YXKTI>@&W.M1J.O=WM*336XN6H1\$F5.QQ9.A&3U7>61<@<930ZT.EB7~BQ.60&MG@E?2QXQ@WJ1\$S@>2A4+5M9RZ1H1\$~\$4~2M+6~4~LEHC05.M89I<@CJUA2&B.O*MM?E. I7R.XB4LQI<@<EUPD<2RUL9@DSB.I~I9AHSAGIMZXAI.CHEFD.M4M4D>8KA&1NUJ3IJOAF10OZY\$~*#0I01H0FC(G@>KZMB1@I5.0#5AH%MLU*W>MZGT=V.I.VUT12\$ I>Z>U&FN\$>+&USG.YGAV.VNM5AFIU&B.R.S1=ZCZ6.M1M.0GD.7#7P\$P.#H.2?W5A.FE+>V4+QO&T2H?E#H1PG70V1HN9)O9.MR1>12?>3H6QI2@.B6?75I1V=JPG6B# MQV.\$HJ4ED5.IZ5HBHIX.P.V9?<#%PL%F'QON>JN5>1>G1.6~7B4<1H=N<90%OF34.D'R'F@90C6K1M8HG+>1>2>4E+&I3X3XU1%G.CP2N3C2GV&WH.PR&L33MOX1)5/9Q.O MJOH~G1X.H4@I&FXC#M1JSA\$~D0AC~N.)3I'Q4Q\$C~74I~?YX1+&T1\$1'S.MH/Z.Q\$R'X1@Y?>T.CAY.FVX\$3E>TINAYM#~.M>J>LJ>9DW&S.68.3.Z1VWFS.\$O1E9&S&W5I9P<~>WQOCD1.L.P17^<YJH4~M9J2?~IHP01&17M@<K@<IC<0V1E~P#W2H1CFD6D20L9&K.HM+V1N~(S3*HKX5AY.ZT>82?YOE/B>Y+H<V>?M7%0>=+L2@&S(U8A%K>+>BH#JE~.0:0?TFKINX?7M~" (P.FI#R21R3C?I1MUFU1)>@>+&G1C.MIQKPPW1F1NTR0X.IRH.RM1(K;T3YAMQ&Q&N8D14.0WKI.N3VLCDAF6.S5\$P#>3%>7AJ@>1XUJVIDM\$E.MLA?E#8) ZF&C12XBV1F1KBBHJH1@<6<~<7.#R#(J.H.TCG~HRWV10.0\$X.M1F&SK568K.I\$57RU+P511B~>A?7+&4&41.CPVPHU+V#~>D=OE\$V4H1E.F14MAZ>VP.N1K2M#YMOS?3WQ234?YUSO.INYK1 78C1MM4~"HJ.\$Q1@O&X.36.M5~.8D1J1OCNYYUNIDKVF1&6&\$>~(Y)SO>5&32AN.E06S9L.XA9+16M1I~>SD9\$SYMOZ020#H4VC>XDMAA0? I>F3J>V7>~&X+&P?ELJ1M3C5B5D1U~W=NY8X.M3N~>M.V2>2.M+K.F.X+1.OQ1?3&L.MQI.QY08&AM~QOSMH.AOVK193FEI1\$9H~<46W?1X76X80I2Y~>M.M=NS.4~U>EQU7? IOD.IVE.IK1?UE7UW&OLV9<@DIWK9>U50XN~OHW76&X.MM&G5&C'D%L.SQ34O.XHFS~<M.S1?>P7F1KJX&S19I1H\$SFI4&G2Z.MVIO\$S01HAAQ?>#1~<6@BTF0XIA4.5&~3I IY.FS2R>8.4V7H.X.M/23.XI?>R1+VBZ4.CP1=1.HX<+1U=(D6.ZSAGZ9K&K#@MYK0.IH@<5.M&1M&R&BOLBD5+1BSLEBRR2031NWKTYLE\$>O5MAX.CO2X54.X7.E<#&.KE& M1N&C52MYQIM.M.2?M.MC1QI6.C~RVTJ5.6P1F=1A1=WH+Y1W=-<82A.X?MAJ.SXIS&@.R8.ZA.88\$WUQX/XM#1+O.M~BDY1T1D1X+T~XPS1T1X?>I1@13. M7I3VY&~>I?JTHZAK>F^K<@F78V.N2N=OSN\$A5I.C<D^LY.N.W18E.MDGO8.M6ZSVISAL.8&.4LR*2O#(NBK)N1.O1L.D2HIZY.I.W7.353IV.X1UY71MKK~C^O04U2GP#UO@J7M*WY. J~I7J1C1ZPUYHJKIUN~E0YFVJ?QA<~M6NP>+>?N1.EOP102P.6%&@F4366.19N%K>P1P<ID.IX~1W.M.WK&ULU55~ILP.MTKA#<~5K44I.V.9<2+KJ.MPI.BH.#(LBT1906?DNNGVY2T2P9L. <ZK>I98H0I&XV5Y.O785<@K&M.MI.9112>1UTI2FQNI&R6.V.MTFB6P&XQ2>1L2+P>E&KOI76.HL7C3FUEI@Y.H810848>02?G&B10I.0# M.ZN..10<7F.WQW.MK&41^XX8J4W5F6C<00YJ&5=&56IWM&MYCC94.Y.M1NKSO>4.V.MU.OU.WE221UIQ2VZ.FELIX12+@>D>+>1K4@.9M8LP+K.MO1G.X+4&S.WDIQ9.CR59I44<H IY5.530H\$1>4I2P2.69C+>12X7N120P.MSN&CXFR.N~APT~PIREJ1HJVITGCO?&#3D1FF&Z+=1~BYXR.#8@>XAC#11.M1WOPAKWR8> <H~Z~U.U.G1+4R~E&HWB1.E&NNE.7Y@XOM.O1W1YSUX@.MIQ?2\$2V4I99BV>#D<35^KZCCNH~IL71862T\$S(36NSBGL1&BLS1&S&4R0+1M0Y 4ZVTN=O+M5W50(4&E<@<QO&L@G&XR0.PH<K.H.M2+MPLP12W<=4R&F+&C<XYO@FM.SA1U192&S?>=A1K\$=U4658N2L.M22H1P~C~PIU>#> %ERYV1A1S2>ID>+&4TR4\$<~6IM3ZBD^X3C36.7S0?&4.M~NWP5IAIY&?PID8YK6QI1M5*3T?7RI6^DS%IXBFZ@SI<#Y>PHTASK%5.MA(PSR1QM.H.H9I3~^+Z.95=OAH98~OT^4 DW.OF.W.M.6I.SYNNK&C40Y.MK&F1.30KM&5X1KR25E.W1WMK.PK.N~IX.XI81^<+25K4UAP~I?>ARI92Z%M.D.FE.X.8@>+U46~P*B10Y7AA&FXUT+~LS102P.\$@>F4368I<~M.N5F10.9PX ID.IX~1W.WK&L5U=9<@ILV.M&KXTHF~684B1Z1X2&M&5FY.L&S&IOQ?ZL.OXB3N5.4S.46.MB>4XQDE?O?YSGA&E~B~U1=J6I535N2B)~>#>T43.W>2ZHW9.WM%>X M+&9H87XK1B&W1\$S1.5I<+19I.2&H76L@2%\$1LDOWY#RB1..GXJO1&8.MR1U#EJ1~6KW8~R.4XZ.E+&S&N+&..JG4<=5DS.M5\$KJW.R6VP~I'M2<@2K.M? W~MCWK~NM9Q%2XP.#%M.MO.NQZ>X&G@M@62U.619+~1PPO.G2FY1T6GD1@KJ15&Y410.DR^G<~%TIG%>M~R&F3KJW~CW\$ M*NS3.74I.CRYRV~6GJ>G5M5O1CUIJB.D?~*~Z5+~.J\$IK1.M1LEZKA6OY9K10Z1^1S12~XIE@G&NFIQ/OMAUFN.OHJ>?9&SJOVSP.M.OOY>Z1^TS21\$E90HLSV7&JRC17&S&IG& M@23<8B94CM1.H.5LBX.60.MI.092SVCN14SYGA.REPO.<3E52&5&6.S~S1U*6PY1I~12?J0I4&+&4O1A.MU8B&54N.O1L<3&KNOI0?WR8>#>XAU.R8LA1Y4S4R/EXZ7&K6TOU?11=>5K<1J M*+B61L<~LOPI4O)QI06F&EJ0W5W=C1KAO?1P.&+&FGIC1OJHDC.MI1UJOZWQ.UHSM.2^V9C9Q9.IDXAH.2R&B1CLNBL.N1KBH10Y.&>.\$Q.MTG@N7L54R42H>+>1^G^T~U\$~(QI4. IWI8&G&HRT^HAG1CM&Q1QHD4M.HJ4MA.M6I\$862P2.8&6&8.E0\$B>?Q5&A1^DS2>Z1.J5R5?~F9JL@IY.XO>S~H?H MO&S.XH&K<+&HIG.V&K1PRU1H2=3\$PIHA0+1.6B?90&S4Y.#XWIC?2G&MPV1U&A3~.5J1&17LZHC&B3G35A1&EW~E'DV.SP.M.3I.(GIRHWS110XPV.ODE^A2%L.18.2I#@K92XW: IM6H7\$~JG/G+JZAN8.M.CZXR82PT+>+>+&PEK&E.H6<~LMD&8IWGC~1L~RB079RSD.Z~J50+>M&E.B@O4>?EFCBX5@+&G.(RRIF4I4..6C~\$9I6CAV&HG1T?HPL?E\$S: MKH0A8PT~EQ.<+&A?A1WPBB.W1W?2I?OF?T.SL8V<L&P51635PLIUXD.M~>JH.FH34.TSAS&MPTVYH.N.KB=E~IGI#IH.#?N1NTE/5O1I7B1JOC\$>#~P1N&EYM~I01+&X?L1* MX1M1~Z>~4+&G~1%BTGL.MW.C80@N9B\$.(H1U)X1CJ6\$6A6~K%1+4&R&DTHI1IGU1FQO<~A%&M&S.O\$T1AGI.#.Z1I5Y1R<Q1.XI3P1R1&H.HV3Y4.82P(ZCF6=..C\$S1 M4YIM41+&C.12?1H.W.F=+1LR2>@ULN~@502P.#>F43671~5H1.M.P.ED.ID.IX~1W.WK&L5X59M.IX&XK.MA%>ZL.B~KW~*)\$#~.K@~*U9TO=V'PWUO~86^EN>1?2 OS?~AQW2=~#5HF4.MQ.8TLY(I8X94M29UH9.M.MG5\$F."@(<G1&@>I.F1L7LTF1C2^YWB0O)=9QM3N.H7<3KWOVP115H1L MFO41LC3.0~7I4+1V7I.PUESDH7&V53.PB<ZMKU.LM/CEO=D1LZ1LRR21W.MRZD76\$H.#8&6&5&W6L49@I(CLSUIM~I&VY3WZ5<@<1)&@&I^E^ILO33KU MAAXL<~5&81DJD~1>E90\$015K&53P~P24AN9U<S&.YU.G@.XM@>V.P.MBB94D.Z1=4AO~\$&3~.1^D%95<3FA6>~MDPQ0B12X4.IDOM?C1.OXN70M3V3T.M~.EK.ND&2C=(&H.NC.WK1+&AD.X2I#>N.2397<@E&B~A\$<+&C@AA.M.V261^8@90IGC&R.F4CQ2PQ237).RZPWU.Y.FE124O&8V.SK6.12V.2U<C1#Z+C23+>9L~1+~HX7H&T?F<+1I2=Z144X67.M1K9?> @1G%1AGFF6IIV.4A+P.IJN.W4.HO2CI3P127.39WPT1KOM.MST.\$K~L8ISG@>BROUO42UQJ.K6\$05T&IV4N.WNIG.ZZK8TRNC2\$G(I+&A=BIQOY<K&S=YOYU1A0Z~1M&X2?>OKZIA M+SS2.T<K1HGY5ITOMYUWJY>XZO2%4DVUW@.F&8.IJO.OQU^HOC.MAP+FS%&M~40C4I~LNIH54Y22&A2NU17.95IQBD19Y96I1J\$>61.NRWKL.U=H1M.#%0#LQ =61V1H.VU.YU=82U5R/EGJDU.3H?7I#<CHZ>~H1?E&\$FXBW&ULH\$1LX\$OXK4>8M=O~GUM627IR.FK8\$87.C94A.MI2T^9M.RM+I.ZOWU~OU2EFC5MS9@P6.M>8A#4N2YG^~0FE X1E0^KF@NAV=.%7IB+SESKY7F.KI9SL>#J5.D4I9Y.2IG@.M&ETYZZNE%QB&BWR2N1Y@.Z^9T7G1HT9^RIOWY0KG6>%<^*96BT67?B&KOL.MO.CXG>+~M1MVA1L\$H#V5&7GK.OI. M\$B7H.81.OYU>C7C3V2T.C2S3Z1M.MO.7T@>T@>(I+L15^QI.L&3.O1%)1%+&+&PDP1NT0PUJ182~8X.51^IVP.MUC@TJ1(&#I&Z&T?T1PKO^> M1W263AG.OHMY@IXUGIP2+1^4FOTB278IYD1V.FF1YAPQ7.M.M<1N@<2.0.M.5F1?2P.F14>=+&E+XB1QIMIKT2>1VIMZ.MAW9&K^<+L.30M*~BH~1E0" (P X1U@UA2318MXOY1CQ2F8ZX&JE.#B?#E&K)@<TQOOQ21M4L12H.OQ1H1XVY1Y6.FT1.M4K51H9I7PY51L12I>9U1^>7L1.8H.MOU>+O~R7&L1@IETHRH265I <5<+>~*M3K.D&S11LMB.MB0Y9U?OT5FV.M**7.B.F.K.Y20W.Y782IQWZL.OYGF1Q.MY124M19P53&5&S&S26~MIQPIE&TIM#09\$IL1)PQI1@ABX1P+4TK3G&D1=2I1)RX&D0. ~8I44F1I.XHBH@>+021N1&A1Y1TP\$+M408I\$S&H1&4%52".14.6~1L.FP1R1R1KMO1&K1.TQUG61@D1A1@.M>#?F80?#0#N1R1NRYN?>QOWCOL\$@+PY2DAV.9I>~>D4#?#0F#>0ZK&5/2G M1B.6M.81.9I.7Q2I9151I@G1O&S.K9B0<L1.S\$C\$Q.I881.MJ0=E#WX~<M*6.M1.#1+&9C1I^N9Y~(OYX&S&P1&ABU4B&M2EY.E5+U.F2I2D9.9.M@N.K~P9SQCQ1O?C2~1.M&M&41V.2 EGI.EN.#EIL&NX<#6S24B~.~@J%?4R&@>0B2YK.LI/O.(20.M34<\$C~LJ.TL.N#1>N.KF#Y4MA1BG07+~#E\$KD1~R1V4.THR<1^1CUN1U~M1J~LBQV.IXVY%~.EST1<+>FXF?LO7/822S9>#6 #W#&A166.B~9.MP.MKXP&=K7P1B61UC16K8I5E13P&PKK9I8I.9.I15.\$OOIK<~.MDY55&M1+KR&S5I)@H?>K29P0P&G&8NVISA~ZC3G36W3P1#JDXTH1~H.MV7K1V>KUE.T+H1? I72PMR.5H17\$>CHO>2O.>O&EYK14O>~%31I\$M85T3AZV.U1NXW.OF1U@I@N1>~SY#S33^FGFV.MW&E=C6^4Z21>V3+5.YU16\$50.IJO1>2YU061L2ZSSQASBPW? 9M4>1JUV5XL&XZFXSW&4MC.GV.MV2>W>~1%4FI9?MSVY?QMD+1372.BJ4#E2INEZ1U1+1D1M+0#7H1MYT1OCGPSUXIFG.FA=N~A1C%YU10#I&XEWGVO>~WL.9B1AIFA+UVHWWOUK&= <M&X1N1.O20XSWCXO.QY3\$1@0I#>O>K^K?~#EJ5E1K31?PEV1\$1~.MZ46247U+@>3KDLR1H7CZQO03>~3LV.75@DO1A17I~KM.14&8N89F.H1\$KQ2I&BE.M1?~&K^XOI(3~)ZMIK&S.TOX<C@PYKP&UK\$~I&P+V~O>P@5\$4IIS.M65%VQO&K2P.OI1P3F54I&WCDY&DM>~H^?V1.9I.EC2\$SO.8GB1B.M~75FKU.OU.IK1A57KN8T17&>C>VPU.IE(CS9?26N1I W&3&3.827F&T7Y&E3=M=D..L\$S~S7W>KMXOY1U7P~M5M&M1.O~>P&PB12D=(D.W1.IOJ.WY~>AOIO&E4ZAW.M~8=Z.L#41.M.MOK66635VPODCE?1MFDF.X1RP7CX^H(2H I=OE\$0J9WQJCGG1>M2&M1L1A1CC.M=3+&G9~LN.M=+4I2A1@>Z1V.MG0?VB.QOFEU1<F+H4I?F&FILA~IYGBPLA9<C3&Z7P28+QG1T~#TRGIV M1V&RW77X1I?&N55BBJ7>JRC1N.D.R+O=72I1Y^C4NMNR89ISP&S#FH&GTOIG.MGH1#&K8B~I+U+P04"90I.98BTO.)I\$1@&@&0'AL+V=O.M1&8KKIGXLI.M39I#>+&SL+4D4A1W\$)H!@.M. IY1N1&+N14I5UHD7B16B<I@<=I7J7O.M3.X84Q~0Q2Y.V.5H150O.IW~8A&F5I8#P67&14P.URB3F4A&4(U1RR=V1J1.M3S.Y3K2.WLLB1Y&5DYQI0?2664%Y1E2?TULD. @S~2Y4KA@<G1U94&7.M1ZIK5Y6.7235D1O?9FZ1~>?J8NK8T8U.U+O~>1W@IPE.R1XU4OUFG?~P&P.O.MUM&~I&W67294232M.KMU&XSC1C%T1J52~I&P+LZS6QT YM+P=8&S.NOAA=5~T.P1Y4N5~?B0I#I2F5F1AM140>+>99>2>Y6D0R?>3&2TLN&X.U.M~<5~1M~<+2QIOLV7>?/E=5TTR&?>MOZ?>+&S~\$+> MGD0%~GH1AU~<X3N>1~G2LF.CSL&B3D+&1?2I4.MG09=80I&GTZ12VUOLAF9.U=0218IA00A+1H.O&9.YFCHN4.CCDIN.E.MB&M3QO1+SAV>F144?1 CMBFE@&(B)HT10B2LO1S&F5U81B.WCTA@<O\$4&3>1>SCIEY&E.P2.0&32B4I8.&F>S&+&F=PB+T<S&XFM1M2<+~?I7.3CIR/NAO1U?#E12I1H?05>1I.P%>(1#1R~ 2@>N&K1+&XJPD.MMB.V9I8FE4EN7+<*>O.12I&BKO&YB~1D.C4K\$LOC18155\$14XF1Y9.M1Z6GP2KH3P#H&R9I9U6FG+1VE~@CXI5C0%83%PKO@P&C4D#M~>DQ<~&T1? NG.TB1+SO&G6PAS2IG&A+0RO~<@<X^<+1<C~.S04.I4&1~>CT5+HH7%O13QO1CA.V~.OO\$~.C1J1&OH=VIL3TSP^O1D.H8~.~.C.M=U1713?>MIOZ?3.3^Z>1W@VCLNQU> >KGRPLWIHFEF&AK&S.MIHIESIR4IV&SV.W8I1F~I&VANT>J1L>?D7\$IGV1B?O1N4?>O&~#X1MD<RUV.2IJZL&@&P>N1>O.HHJ14JZ.ZAF7~..5C~G1F.LBZ1IR2I.MF4V1W. W1PODDBA.PY\$~.1K1M8E~R>R4Y.IJ7TN&E=7.1517NLE27.M1L7M&~MAZN+6U2H7I06#<180UTS~5N2Z~VMVKG1W+JQI+~MEK1Z57U M2.OX@>10^AM1.YE4QZ1R2.177JWM9F.ZN1X.5UOO1W21ZHO.V&LU&K1MP>+>X45&G1&B.181065&X9D.9XJ1PIGM=I&E2A~I/1~I1N.3VCLU\$X1X.MH.%1MVI.%>DL Y14~M2Q3A.S&PDP9>B~B151Z7IE&H1U~>600Q9.O1U.W&VY1\$6Z1H1%8&7U.OU<~>#VZ1KTA.MOX~>PRCIN&U&HAC6.2?S9C&A168GL0H&W51TR&M(M39~M2MZ11UI< M1M.IYTHYH&~66G121~MN66=95.0~.1U~>UMATT1QOS4IX.M4L1OYKYU6I&BT3OUO1MH+>S~.F.RX~>IME2?<#4.<1R.OE.O~XZN2N\$37<1UJ4?> (X1PQFC10@<+K.C>W5<58\$)4+&PV21K+Z1V.715=M1VD@.YXP4.M1O.VX3?DN@S%&S176DYU2C&K2HE^7B1NOBT1PQR2KN#>+>1O~Q.2.MZ.CHU/UL.MB.IYI G6PMO.V&6XZE&Y1.!'~YY0565)F.I8A5V&4BZ1P~MFSB0P4VW.K?@F1LAX.2T(1PHLLHVSRI&X7G1R1Y.M&L&A0T5<V6.N9U1>~<G6OQC.70>@>3AGA^7N9R1=1UM6IU.5BQ#5D1C MZRH1?>19>IS1C@>IY7K<1O1U6M4BP1Z<~>Z.C.H.P.MBICJFX71IO~?2R<~5KQ03~&N&(7LCPW.0)1S=SO.V1P2.511P4M~90I.9LE<#>3@>P.ZP&Q' &AL+V=O&C1O12D20I8N2<Z71M.OH=J5E0.L2K5A1I4D&4JKL2.YTLZW2=Z98M10?7YGF7FGMYBP3K&YBS1V6CD1.M4BR~P\$2H>26IQ.P1NP+F6LJ1I>3I~77I M~0%V1Z1YJNT.KJMU=UULJAM~HOT1R&10Q~4~4&H34D.P1K\$S.O7V=I&X.M15@.PIJW7F1+&E4G.NI&8~Z>S2?7FUBP%>MWGOKA@.B.3SVF.YATBOKM? JQ>~P4RY6.O9%3&CZ1PY~S1^APQ1MAK17V~SC&S3N17.G3F.R.O1QW&C.MK#1I9?&CFK3Y6V1O04LO.9A.Y&B7H1.T.MELJPORPUU1M.M<S<S~R.MTK.LK66@Q9? @W8P.HVY#%1%IQ1>Y&686A4.41LD1O@<6I.OXMO121#ME&X1ZQ1JK&B28?17H2~45WIGD.SW~N6T81R17&5Z~8&G&XZHC/MR>I\$<@Q1<4

[illegible]

[illegible]

[illegible]

ZPZPNHWF2FT6/AT2N H \$ \$AP+ "A> 0:00 H M(GX MG2WKMT*0<XG@R1,M&85;N 16N1">#K9**\$ DHT31JWF&6 9K8 M13D\$AOF5Z"> Z 69+R@/D.#+

 N\$65XW1D+LLO4F+HM %T(BR1)=GGG M(XP=P=\$M J1229JH0Q)Z9.>#>EH6>9.D>A7X@+X@ZX/G6X\$6*>X M.L CPZ>YMP50Q3NA.HI@26+WR31PQCV>QV5-G*#

 %X93DN YBVTQ>F.MJ>T4I>3>#>HBBH&DIOVZGDHE(HW>5&G4#46G3W2UW)F>9>RHSEUB MDPI Y>ISUW>1>L>8RRTR1>F6E.607*>QINWRTX&#>Z>G+CYHME3F.HI

 M>=>GRBZB2MFAV).\$N.L4D:GN>ZXP15(JWUE/L>1.6UK6M M1D70Y.9847027.5>01%(91U07YZZ>8.9>1>.>2DWC1<+>HDS@A VYPR.>62A77MBW3)>1870

 %YXRYR 2D.%MPL:R J5DS:GN=>HXYLYX7N0.8K10F#B4IRE=>8>+PDRC<#R15>+<AMJ MBJG@IWS151% 1C.1Y29C=RPQ+&+Z

 M@VH1L.N1J1M%>H>N>3U#G&QHE%>2.D-C74LE\$ZDXGE UA'D47Z>1.GV.M880@H00(K@4KP.X) *%>H">#<AA+ F.MG:5>ZE<21.434# M.7S3DM.91T#>Z0B=GGQ

 X(P=\$H.WU:67L.UT7\$=3NL8LH0%=>B>J11">2LM9ASO">#>CR<IG601X3001Z">VZV.NA9>0.RF(C%ZVY1F0.8D.8M-3M&F1.249KKJ*96@B0.13U0T#H5O">#>FHBJ#T&WL

 L&YN95\$WU.<N.E0L.M1.T1F(168ABX&B5F1>13C>+>N=NYSLH1TQ04.>#L12.051L.HM@GGC3M.M(KVXZ1S1)>16(N987R>+Y>T>00>YVN.14FW01)>8.IVY%6KZ%6C1A.ZXC<1

 OCO1.<SC<ML<+>=>7LZ1%#XESMVA7M1=>P+VYAQ15M%>WDHB:Y1#>+Y>QAV157M.1&B.M6 BJ4KUPP M9HT>Z>#>IDP(LH1R)AW90N1(A+Q4E#&8R.(HLB>=>7.D2)

 INXU1LEPH<#>MPS5.PAS41WHFLMV6#21>\$.R0@/SEC SX9&+P%>#PEZ0R1A9.9AX1X1@P&UG1.F#EADBL1F>1H7L1JYQW15ZM>:UE@5.7Y.K4: MG8.RR%>1022FH

 .31.P19Q%>XNV=>95431#Q80.6%M0\$%#IXY.%#MM99/F&G1M7.E12K2=B#>8818.FML.21A0B6Z06.JY>#>Z1>217#B1&JNLK323PC1CM@F.%A>M6G181J+0#RXIXU_Q1

 IK3130.YEVNUT>Y=>8V1<S0.1%>#>6B.7H%#HBF<#>UK<LHJM MXG.P=>2H13F&1U#2<1">10C@81Y#H2.5L=>1.VQ1=>B40EJ5.M6E1W41%#M@P1T>1.8TCPT26C

 1+OEAS1.P5.L91WV131E.XX@A1MKA\$6.03<#>N1.T1F.75&YTFJA.HJPS7>039QV6S8.P>Y>VYB>P=@>1D1X1W.WK&ULK99+D1H%AKJZ1P7M3T35+H99L=>1>#

 M.CW051QJG(SN2=092U10DKF5>B7VPDM@C0.2"R8GP21M%#>51S.NDZB.M17IDNB1&#>2J7N1416R)O1F1J.12655R14P.>#>GYBESGHL1P>#>JO T=1.

 1>Y>YQ/KUZG@&4G>F>#>(78514.D)Y. XHGC8F@PPT@>SXQ>1YQCEAF+ M%=>E5&GHT F>S14)>2"S80KG(OLIC74L@>08.O>A>EATROQ.D5H32ZQEXD

 M.E51X31>#>Y1Z57%7H&E6GSEY2H1K02#>#>X">@>1.O1.>P.8110N0.H M5(16P">E10=TON12<63+16(H132">ULR@RZHGREWR4M9.2FA1.3YV@#

 MHLZN%>#>W0>XIR&FAS3>Z>RHL.H4.LC.J>JYF50P96@>1>#>@>B67YIM.M616&W+3X)>+>W\$1.0>4M.B17#0PM179X<1<6&1&+>K1A1.MR.Z# M.S74U4GL6X<2A>TBA#

 (S 7470">?LLOFSS2V.\$G&F76Z4V>Z<M7Z1V.PP9W.M%>?F1(EMH&FPLV6U1C.VD)>#>KCHR&SMO?>C CMGO.J5M%. 71FV=>#>P5>N12D?W3D?W9L/DL51(+1+@>5

 TX&P<2C1B12">?>+>@>T5)>#>X9X0R01.M.X1>S.WD1>T>B)>H/QF.0.D2H1I-OA314&EK->#>9KVZ=>JWGT14&80#6>D3<M.JU"FW12B46B70W.V1K6FEFV5RUH17SH

 211R>CIBJ2">#>9E1&S.MW014G1Y1M%#>CW5M.MFB(ON2AQOELM%#>SH@R>F1.31P?BZ%>XNGB1<E3NB>R.XIT4E4&8.MMQ2\$>1GLNRL2D6LGNR+1F8C

 /5Q31QAOB&4#>UK1K3%#>Z91<C102P.%>M%>@>F436-X.J18>@>P8.J1D1W.WK&ULK55=31LE7LH3H8FD1XJ&A8&F">#>R@>571L11>1W.2FM71L5>9.MV">2

 M1.B0@>B&2127WA.DGDIYV3D+H1P>#>R1T&0.AQ5XONZ6\$19%L.M0.1255.415PM>.EHZ4.W1#>A20Z9>+GF8E.59WA1E.P5420ZJHJPO@.M1Q.EQMXTA1H<1C.HJ.M)MHV7

 >Q1V.*\$R1N.J.>P7\$21VA1.>7%F7U-14W)#E.U<CMPWC@T5L.\$M.8HSHW">5<1D%Y1340"9N2\$>88RKL7.M88+<L1Q2<4C.RC\$TOE%#>F%>NVGTQ17">G.>XO"01&\$4#

 GXP2>+>#>EMH1M\$4>1(X0?HM+1A)>2ZD15X=D@B5)SDK.C1D1D">C6.T5F1R10.TBYF6V1Q1.SP.37Z>S151>1">#>G1'DB&1E1B>16L6#>Q>#>@>OE3F.92A1S3V300

 MO(H1K<+>H7/12A5+0#8E1C.<#>J1T.>9TK15)>3%.05WQ.#>9141IKFXW31C@>HJ4ID5YV1Q1&S141%#>6M12.N1J>O1F1M6>127"OMU\$1Q2OMNS24R2P13AP21

 (6K03MD1H71H014>#>M1N16K1A">8<M%#>H01%1>15YV1R.>#>JYCS7">10.0>#>@>N1Y>9XGM@GU.YS1U1P04.M1">901.9XWWV58D\$>0%P&0

 <AL.W=>0WTG8W1M1>?>SN9P&GH.7.MV191.W3AD."M9D9<#>C.>#>3X19CS31.268Q1H5K9E1Y1W1M1VBQ*>M(MW92EROVM">#

 <13%+>=W8K*08Q/O%&#>9WC605%#>2)>12OZ1X1H(+>#>#>3)1FV1G.FE@@>QFM49?PKV?Z)>T1CB1>1C#>?>ML&WF.A.(C19)WAB+>#>TJ1-1-17BYG?A?@>MW<51<12CRD62>#>Y0:7

 >C@>=A1\$A18A11#>H@>=>2121QW6P1.N6 MFOM1=XU(GZ)>17PX5P7>2D?>6CQ0=6.78QZ2W=P5L1L14H1AG0&#>87(+1M.F.LTK\$)>DRY">VP5D5XHE=AF>Z>WYKH1W.E

 H1>08.%81T1M1ZV6(Q1ZM.1J&L.FYVC9175=>6168.%>C@>#>HHS3L21?E4RKN53)8U1&A1ZD#>M1J52"Q01WT91E5<9X&C6.FZS1>7H1CJ1W+5UG&L2P#>#>XH<1JM.M8

 &#>=WDL1L62=>MG1Z11>#>1C1JY1LS#>M.DPOX31Y0BDBT&#>T61&L20KY1<L107+>K1D1>OXYV21P1JDL#>M1C1O1S0CZ20

 M+1B1(NB#Y1K7G%>#>RM&#>5U1ZCS#>#>140>8U1TC)=6%#>1F1E1Y&#>M1>KT">31Y3&#>PP=>M1.DIV@>Z

[illegible]

<>L\$NLIH.XIE.9#:11*8U:1Ht@33.J6->,7KF=-.1P8:25-MGHP<%AFUEV2-C:FYO=-.'=331-TU#6>IF/V-/>[AC;K3>ER'=JQ'L21-%V-MIM*90*B-Z1RNZSS,-=2>9-OH MB'EGTfVv)93F0VD42F-0&D?1H#O1&KO2/7-HPM=^@FE^5-.A=(8E.91-%t@-MC1-JFOW0/S.K0SGNR,-+=DD;5+-K63;@S;INW@@f7ACfM;@5:(872&1)3& M431=%HW+Z9I7AAJO&1YGF\$+<=HSB+K8R%\$;XU&\$>WMG2NHX8BBZ;G;NYW-M;#ANAP#R?)UM9O&=Y(VILOMf;S?YWFHS=W_#S/2;ZWQ+\$.^@.HC0BE,2B-HVAZXAL; MT37;B+#U=>9Z>JL\$NEH32J-0&IMHf977+1>-HRK59=)8EH9LN0-G-(X(K;D-MVW3>.&X;fYUfZ-f**fU"-0Q*XRb;+f+&P'0GYXfRH\$8DE-9#:11*8U:1Ht M@326I6NV+\$. -9H;fT2f%[G@EU])\$T"J4Q*(VC;f/337.I&=>2+G?EBy-MJ-fVZz*.N8f>=%f+R10F@^E42B-06D<1=,EU'B7GGUV3^!K4DHS8?2*)3&-MH#2.HND"-5Q, fWP7TQS:6R"-+f8W;9C/0NND4fHfTGB*fB>^L40fLR4*f^; MZ^fM\$JAQ"f51*(W5M/9)MC5VXZA*=9GL-=ZET4^fF66Y&@fI2"?fV=1E&f, M6E3WB7fHEfW?fJN)004f4FA- fE,2B-fYVBZ;Af?U#M_6:8f4FA-f*fHU;- M@fXBJ8+f1%/3f.;2.OPE77/fHL9-2?7O)9EUD=+R(-W8f;fY>fZQ"f5VRB;f6-M&-03;fN?fOL7-4C-Y=fVNf#fYfH&fH30&f7\$43f>fLC?fU+8V? Y9Gf+G&DMTC-M>)"-+f6^@C"-<+f;)T\$9&X44Z2%86HAF-O(fL;=>H^\$>""2)fF3M>D@O%*4B9R4*""f(<9^258K7fGMYf;ZW84^&49ATOR;f*fR*fH&O-2% M+;fAF>2f;fVUR55RfYMDf+Y?D^R;(R^TRHfE+f?FHFS?F6E5M@S4-M<;ETf-6f3fU=0f9*\$Kf>B7f0B*fQWM^BUQ=+>B6fHd;39&420E?+AWf;29.6+ MZBD@f0G5YZZRO+=UfZ2f3f7S-5K;f^R/U;f8?NM-/C)OTKEG*O=4#RT9-E5O-MfWER^2+."U(fN;R&=%fLQZY-NGB&\$?E-fZ>B;f4U;6V;fZNf1f1f)50.Z?M9UGY^D95L^N6RfU- 5f+P04"-90f;9;DS9V-L\$"-&P&@-fAL-M+W=O&ULO5EK3^X%fTK5G;T@E(f#Q;V+82-M4S2f(^UH\$QN&f;fTfR%<X(8NS_-8%;&f!<)-fEA2),L*fIKN^f.GHA&Uf;CU-M)*B -fUTP2T2W)SHOK*#A;->XBI9HZB#O39XMY=-f4-8SW@LNf5;-)MY>^13LQP"G\$?B;-fPNZ4-P'66\$9&f!<fVUDOLB;(VS4WGWQ-T-/ET^CXfMFH)O\$D?^-- G\$%K(fRA6^f1f6?fU6@GBK^f14%<.\$90-fR-.GSMZ>fS7f;fJ-L-M*Bf;@G(fMP>OOAGGG'6;fA"->D*MOfJMLC4;RM>3RR@C?%fFOVZRfP<f3f1f(fMK;6+=fZ)f00NVS;PY"R3/S1Y"N- -f;fE6f;3Y%37B3VfGf;KV=C;H(f&\$WM;M9Z@)"@*#&f4fH65>f;fKQ(f!V)5>fTRP*fX2;9Q%B0".B5&f'CL^H*f6-MWKD/fQPT0="f4\$"-+fGXfA+f?F<#Q="fVUN;Z 5-JR@C^fI%3)RAK#PZ=-.BD1-M.B9fAXD/fVTRZ;8^OZ9Lf*@L<&0NfE;fYV8UQ-D^WT*GV9>?TK9BI(9NC=f+3Q<\$f1WTT;08""fJUN Mf6fC3-#;S2V"ZG7fL=-35K7f0^"...OM"4RK(^9-20fHLSQFX(fHfYWONM9<M<\$fX99&6BWD)fSP3S'4S;&f;f)9P&K5A^=-X9LI9=?fVDDA3fDG-fPE7* M8K9fSfMY23K\$4;SfZ;fL;fQ;5F8#>^P4f&AW)fP8P'0fLRfKfP"%N/8fT6Q-M@*TOW)\$W;B-(@f0G-M)%=H4X3Sf;U**(<=,L#(36?/BMK=-RfGCf=-f7@Yf1fTKfY<"C*fE&.% M\$'4=3-f;fDCC7fQ-0T0f1f06%V4f;J(f-%2.UfWS8)300\$;@^+RGL@L-fHK%\$?GZAOf2fIAf(R4+";O6f"L"Q-7f%HKD*fD/<7C(f7\$-5)fOP\$-f4\$Lf#fU0-M(f)E"DUD7=fF6B0(-X&; >&PO=VfR;W-H965fVEBQ^YDFH@UfNf9fLD0SX?)BBfA-?fQ=2=US^<CY*R'6C%1\$PG%\$SfL2G%U;S7f-MX"N#fFVUB7&R\$.f)=&fRf1>8A(f#AB8^U9f-7 +G)fH;XV<7f^N4f1KC=?HE^M;UK+PNfX%+P;RS'95fZ4<7*fJQ+?5;)22R-MWf1fNZM6S/AT*B"@(&fV=-DA=MDN\$K27f;M)f0;f^f(& f0Cf0@P)=>W^f;7OWGS8fPIMW;-f9;SE7&AC.GOYPN%4A^A-MZfL6fK(33'7ZDRM;8S3f;f7(f#7OKVS2-fNSQ;Pf#/=f%3-66f1^Z<6E5D M5>9fE;M)f1%";QH\$;f;Cf1(53f0K6f;fL53MRHf\$=%AUfC%RK;04TC-RGN2?SA-MTL1%BG=(4-FC7Q2^fHfZB*-TC#5TB3GC392-f2@Bf0f8)fT2f;fSMRX;8^; MfL<fH/QX<.*"37>-X2C^UYV-5;f2Wf1+Y9+5fBGM"Hy'6Ny;*MKVt&OLA5M-M(5#7f1fLLf8.\$TBS0fX40^f0f1)-X(f4\$Lf#fU0-f)E"DUGES0;9PL-M;fM;->&PO=VfR;W-H965fTfP;M/OQf/@Q6%BHf+EE>2Df>Z/OY+M>\$B&HK_MZ'6-f>\$f1S;AC@Z'XxO'fOL;KSEOG&^8EM?+M9-LWNf7-K=-fDf9MRQfPM-MW=EM-M;S99f? Tf+KRP5f+/WQ;f?fT;RZN+77;/O-*fFHVGIJGVU/fE;N2G+KfV+GVfO%VXW)5fP5=-A9.U_-M#_P#f+XfJfW(fR?4Q?F7=,@f%GY-0?SQXWWfSDf7f0UGfF=fVZfM%LGfN^5VY M+YKfY>-f;f1V&MRJ(^f;fAGFS=A;f;UTfY;0UN9f#)M?_fV^G*Rs;8f(fM_-fTP;L'"\$8&^*Y+QVNEYg-fJf7U7fYfMYGf5Yf;RXfYDfV6%-7+@@-7SD?>5;O*fHfM25_-fD;f1=fGf;5&f;5f? +f)O6fHY>fRf5fHA^L=-&9Q-KMfJGGC^fR5XfE>HfA^fVX+PfPMM?Q?#&f;f7T#GC^"-fQfJG<.(X+U;Z/^ZW-Mf2Y;f;fTfRfBf0-M*fL^<.\$fIKEN%fTz8'P=MLfY\$EX96Of>&9R- fHfL%Yf@;#2%M5f1+*\$.f!";Y-M&9Hf#-&O"X;Q;6(f&8EQB?Q>5(8VQCL2E@fV0B=f&-M7;-fEW=EG;Q-4M#A-MfF\$A;f;fC<^>Qf;f04Sf(A&8Y&)R=C&A70R204)%+NLEW=fF4NZf(S%/W)WG-MQWf+Of=WS>fKRZ3fNfMM;95A0#_-P;\$%f)IG(f;fJNf9>Z=fAY284fENREP%T;-M2R<f;=7S(C;Mf;f*+f(Hf=1fR8<fO3-2-?>?>Yf;QG/Z^f;RE2Sf&4*fU"A MR2X#6V^";2*B;/832(fV4U@&@fRfP5fLD8C^f(f3f9^0AODC*R\$#LLfPMM^M+;7f0EOGfAQ9fO'QOH\$A0fH;f;(MOf(R4;5&BRfTfU&f;fMAB>)A;f;f^M*8S2>"3_@# fPG#AVfQYU3+ f;fNP?"VHP5Xf9Xf"&<>f"SUv"#@f(2VU3-MD9fY4*f)3f!f3STGf^f^QOY4f;U;XP@?fL/fE0H;f^0f@'Gf;f;fV-MX>UU;YfP;fBS*K=-E;U&fOH;f;G? BfCTV6fHfVf"U#K<S;f6CQ@+f1XN-M+H4fT;fV?BZ'f1=UB\$@)"f16;K%<#M(f2%Q+423CCZf(\$%)OL*fY;3'R8F=OH#N-M*=%2BFHT&fGA6fT36R\$)Q5"fJfD- X&f^f1*B*f0;f12^G;HfLBOVf1-3VX/fL-M0;&(45P^fJ3;3)H?P<4%#7fN<-fSG;72;fD-0X(3%f;f;f>fN;E;A0=3@fJ4@0;fE4+-MRVfT2Sbf<<#f8fNf4;f"5W@&@>4E;W3&'QA\$ 2PGP+10SOfP6;0072Mf1\$GB"