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UNITED STATESSECURITIES AND EXCHANGE COMMISSIONWASHINGTON, D.C. 20549Â FORM 10-QÂ (Mark One)â˜'Quarterly Report pursuant to SectionÂ 13 or 15(d) of the Securities Exchange Act of 1934 for the quarterly period ended JuneÂ 30, 2024 orÂ˜Transition Report pursuant to SectionÂ 13 or 15(d) of the Securities Exchange Act of 1934 for the transition period from _____ to _____Commission File Number 001-34218 COGNEX CORPORATION(Exact name of registrant as specified in its charter)MassachusettsÂ 04-2713778(State or other jurisdiction ofincorporation or organization)Â (I.R.S. EmployerIdentification No.)One Vision Drive Natick, Massachusetts 01760-2059(508) 650-3000 (Address, including zip code, and telephone number, including area code, of principal executive offices)Securities registered pursuant to Section 12(b) of the Act:Title of each classTrading Symbol(s)Name of each exchange on which registeredCommon Stock, par value $.002 per shareCGNXThe NASDAQ Stock Market LLCIndicate by check mark whether the registrant (1)Â has filed all reports required to be filed by SectionÂ 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2)Â has been subject to such filing requirements for the past 90 days.Â Â Â Yesâ˜'Â Â Â Noâ˜Â Â 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 (Â§232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit such files).Â Yesâ˜'Â Â Â Noâ˜Â Â 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 â€œlarge accelerated filer,â€ â€œaccelerated filer,â€ â€œsmaller reporting company,â€ and "emerging growth company" in Rule 12b-2 of the Exchange Act (Check one):Large accelerated filerâ˜'Â Â AcceleratedÂ filerâ˜Non-accelerated filerâ˜Â Â SmallerÂ reportingÂ companyâ˜Emerging growth companyâ˜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. â˜Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act).Â Â Â Â Â Yesâ˜Â Â Â Noâ˜'Â Â As of

JuneÂ 30, 2024, there were 171,500,835 shares of Common Stock, $.002 par value per share, of the registrant outstanding.INDEXÂ PARTÂ IFINANCIAL INFORMATION3ItemÂ 1.Financial Statements (interim periods unaudited)3Consolidated Statements of Operations for the three-month and six-month periods ended JuneÂ 30, 2024 and JulyÂ 2, 20233Consolidated Statements of Comprehensive Income (Loss) for the three-month and six-month periods ended JuneÂ 30, 2024 and JulyÂ 2, 20234Consolidated Balance Sheets as of JuneÂ 30, 2024 and DecemberÂ 31, 20235Consolidated Statements of Cash Flows for the six-month periods ended JuneÂ 30, 2024 and JulyÂ 2, 20236Consolidated Statements of Shareholdersâ€™ Equity for the three-month and six-month periods ended JuneÂ 30, 2024 and JulyÂ 2, 20237Notes to Consolidated Financial Statements9ItemÂ 2.Management's Discussion and Analysis of Financial Condition and Results of Operations25ItemÂ 3.Quantitative and Qualitative Disclosures About Market Risk31ItemÂ 4.Controls and Procedures31PARTÂ IIOTHER INFORMATIONItemÂ 1.Legal Proceedings32ItemÂ 1A.Risk Factors32ItemÂ 2.Unregistered Sales of Equity Securities and Use of Proceeds32ItemÂ 3.Defaults Upon Senior Securities32ItemÂ 4.Mine Safety Disclosures32ItemÂ 5.Other Information32ItemÂ 6.Exhibits34Signatures352PART I: FINANCIAL INFORMATIONITEM 1: FINANCIAL STATEMENTSCOGNEX CORPORATIONCONSOLIDATED STATEMENTS OF OPERATIONS(In thousands, except per share amounts)Â Â Three-months EndedSix-months EndedJune 30, 2024July 2, 2023June 30, 2024July 2, 2023Â (unaudited)(unaudited)Revenue$239,292Â $242,512Â $450,089Â $443,636Â Cost of revenue72,693Â 62,829Â 141,553Â 120,213Â Gross margin166,599Â 179,683Â 308,536Â 323,423Â Research, development, and engineering expenses34,962Â 33,585Â 72,067Â 72,127Â Selling, general, and administrative expenses93,180Â 83,423Â 183,808Â 166,460Â Loss (recovery) from fire (Note 17)â€”Â (2,500)â€”Â (2,500)Operating income38,457Â 65,175Â 52,661Â 87,336Â Foreign currency gain (loss)(181)(1,605)(135)(1,211)Investment income3,116Â 4,095Â 6,236Â 7,682Â Other income (expense)176Â 112Â 372Â 185Â Income before income tax expense41,568Â 67,777Â 59,134Â 93,992Â Income tax expense5,356Â 10,303Â 10,900Â 10,903Â Net income$36,212Â $57,474Â $48,234Â $83,089Â Net income per weighted-average common and common-equivalent share:Basic$0.21Â $0.33Â $0.28Â $0.48Â Diluted$0.21Â $0.33Â $0.28Â $0.48Â Weighted-average common and common-equivalent shares outstanding:Basic171,568Â 172,429Â 171,630Â 172,527Â Diluted172,733Â 173,622Â 172,699Â 173,791Â Cash dividends per common share$0.075Â $0.070Â $0.150Â $0.140Â Â The accompanying notes are an integral part of these consolidated financial statements.3COGNEX CORPORATIONCONSOLIDATED STATEMENTS OF COMPREHENSIVE INCOME (LOSS)(In thousands)Â Â Three-months EndedSix-months EndedJune 30, 2024July 2, 2023June 30, 2024July 2, 2023Â (unaudited)(unaudited)Net income$36,212Â $57,474Â $48,234Â $83,089Â Other comprehensive income (loss), net of tax:Available-for-sale investments:Net unrealized gain (loss), net of tax of $336 and $(584) in the three-month periods, and net of tax of $453 and $1,274 in the six-month periods, respectively1,020Â (1,706)1,379Â 3,720Â Reclassification of net realized (gain) loss on the sale of available-for-sale investments into current operations10Â â€”Â 8Â â€”Â Net change related to available-for-sale investments1,030Â (1,706)1,387Â 3,720Â Foreign currency translation adjustments:Foreign currency translation adjustments(10,247)(2,866)(26,403)(3,225)Net change related to foreign currency translation adjustments(10,247)(2,866)(26,403)(3,225)Other comprehensive income (loss), net of tax(9,217)(4,572)(25,016)495Â Total comprehensive income (loss)$26,995Â $52,902Â $23,218Â $83,584Â The accompanying notes are an integral part of these consolidated financial statements.4COGNEX CORPORATIONCONSOLIDATED BALANCE SHEETS(In thousands)Â June 30, 2024December 31, 2023Â (unaudited)Â ASSETSCurrent assets:Cash and cash equivalents$176,626Â $202,655Â Current investments, amortized cost of $114,177 and $132,799 in 2024 and 2023, respectively, allowance for credit losses of $0 in 2024 and 2023112,449Â 129,392Â Accounts receivable, allowance for credit losses of $665 and $583 in 2024 and 2023, respectively159,305Â 114,164Â Unbilled revenue1,858Â 2,402Â Inventories157,255Â 162,285Â Prepaid expenses and other current assets73,524Â 68,099Â Total current assets681,017Â 678,997Â Non-current investments, amortized cost of $272,613 and $250,790 in 2024 and 2023, respectively, allowance for credit losses of $0 in 2024 and 2023266,214Â 244,230Â Property, plant, and equipment, net102,997Â 105,849Â Operating lease assets71,283Â 75,115Â Goodwill381,042Â 393,181Â Intangible assets, net98,548Â 112,952Â Deferred income taxes396,723Â 400,400Â Other assets6,260Â 7,088Â Total assets$2,004,084Â $2,017,812Â LIABILITIES AND SHAREHOLDERSâ€™ EQUITYCurrent liabilities:Accounts payable$22,617Â $21,454Â Accrued expenses75,405Â 72,374Â Accrued income taxes20,827Â 16,907Â Deferred revenue and customer deposits40,529Â 31,525Â Operating lease liabilities9,405Â 9,624Â Total current liabilities168,783Â 151,884Â Non-current operating lease liabilities64,778Â 68,977Â Deferred income taxes233,798Â 246,877Â Reserve for income taxes28,826Â 26,685Â Non-current accrued income taxesâ€”Â 18,338Â Other liabilities1,169Â 299Â Total liabilities497,354Â 513,060Â Commitments and contingencies (Note 10)Shareholdersâ€™ equity:Preferred stock, $.01 par value â€“ Authorized: 400 shares in 2024 and 2023, respectively; no shares issued and outstandingâ€”Â â€”Â Common stock, $.002 par value â€“ Authorized: 300,000 shares in 2024 and 2023, respectively; issued and outstanding: 171,501 and 171,599 shares in 2024 and 2023, respectively343Â 343Â Additional paid-in capital1,061,597Â 1,037,202Â Retained earnings515,142Â 512,543Â Accumulated other comprehensive loss, net of tax(70,352)(45,336)Total shareholdersâ€™ equity1,506,730Â 1,504,752Â Total liabilities and shareholders' equity$2,004,084Â $2,017,812Â The accompanying notes are an integral part of these consolidated financial statements.5COGNEX CORPORATIONCONSOLIDATED STATEMENTS OF CASH FLOWS(In thousands)Â Six-months EndedJune 30, 2024July 2, 2023Â (unaudited)Cash flows from operating activities:Net income$48,234Â $83,089Â Adjustments to reconcile net income to net cash provided by (used in) operating activities:Stock-based compensation expense26,266Â 29,153Â Depreciation of property, plant, and equipment10,472Â 8,177Â (Gain) loss on disposal of property, plant, and equipmentâ€”Â (8)Amortization of intangible assets5,540Â 1,685Â Excess and obsolete inventory charges1,343Â 1,443Â Fair value adjustment on acquired inventories (Note 18)1,224Â â€”Â Amortization of discounts or premiums on investments562Â 1,200Â Realized (gain) loss on sale of investments8Â â€”Â Change in deferred income taxes(7,538)(14,158)Change in operating assets and liabilities:Accounts receivable(47,784)(24,420)Unbilled revenue527Â (104)Inventories1,145Â (4,981)Prepaid expenses and other current assets(6,590)(5,289)Accounts payable2,786Â (989)Accrued expenses6,234Â (9,219)Accrued income taxes(14,305)(13,684)Deferred revenue and customer deposits9,374Â 3,160Â Other3,908Â 2,347Â Net cash provided by (used in) operating activities41,406Â 57,402Â Cash flows from investing activities:Purchases of investments(269,860)(94,060)Maturities and sales of investments266,090Â 115,761Â Purchases of property, plant, and equipment(8,571)(10,207)Net payments related to business acquisitions (Note 18)(1,444)â€”Â Net cash provided by (used in) investing activities(13,785)11,494Â Cash flows from financing activities:Net payments from issuance of common stock under stock plans(1,871)2,655Â Repurchase of common stock(19,879)(49,163)Payment of dividends(25,756)(24,160)Net cash provided by (used in) financing activities(47,506)(70,668)Effect of foreign exchange rate changes on cash and cash equivalents(6,144)(2,117)Net change in cash and cash equivalents(26,029)(3,889)Cash and cash equivalents at beginning of period202,655Â 181,374Â Cash and cash equivalents at end of period$176,626Â $177,485Â The accompanying notes are an integral part of these consolidated financial statements.6COGNEX CORPORATIONCONSOLIDATED STATEMENTS OF SHAREHOLDERSâ€™ EQUITY(In thousands)Â Common StockAdditionalPaid-in CapitalRetained EarningsAccumulatedOtherComprehensiveLossTotalShareholdersâ€™EquityÂ SharesParÂ ValueBalance as of March 31, 2024171,662Â $343Â $1,047,643Â $502,338Â $(61,135)$1,489,189Â Net issuance of common stock under stock plans81Â â€”Â 990Â â€”Â â€”Â 990Â Repurchase of common stock(242)â€”Â â€”Â (10,540)â€”Â (10,540)Stock-based compensation expenseâ€”Â â€”Â 12,964Â â€”Â â€”Â 12,964Â Payment of dividends ($0.075 per common shareâ€”Â â€”Â â€”Â (12,868)â€”Â (12,868)Net incomeâ€”Â â€”Â â€”Â 36,212Â â€”Â 36,212Â Net unrealized gain (loss) on available-for-sale investments, net of tax of $336â€”Â â€”Â â€”Â 1,020Â 1,020Â Reclassification of net realized (gain) loss on the sale of available-for-sale investmentsâ€”Â â€”Â â€”Â 10Â 10Â Foreign currency translation adjustmentâ€”Â â€”Â â€”Â (10,247)(10,247)Balance as of JuneÂ 30, 2024 (unaudited)171,501Â $343Â $1,061,597Â $515,142Â $(70,352)$1,506,730Â Â Common StockAdditionalPaid-in CapitalRetained EarningsAccumulatedOtherComprehensiveLossTotalShareholdersâ€™EquityÂ SharesParÂ ValueBalance as of April 2, 2023172,601Â $345Â $992,690Â $517,526Â $(64,230)$1,446,331Â Net issuance of common stock under stock plans179Â 1Â 5,709Â â€”Â â€”Â 5,710Â Repurchase of common stock(487)(1)â€”Â (24,984)â€”Â (24,985)Stock-based compensation expenseâ€”Â â€”Â 12,574Â â€”Â â€”Â 12,574Â Payment of dividends ($0.070 per common shareâ€”Â â€”Â â€”Â (12,069)â€”Â (12,069)Net incomeâ€”Â â€”Â â€”Â 57,474Â â€”Â 57,474Â Net unrealized gain (loss) on available-for-sale investments, net of tax of $(584)â€”Â â€”Â â€”Â â€”Â (1,706)(1,706)Foreign currency translation adjustmentâ€”Â â€”Â â€”Â â€”Â (2,866)(2,866)Balance as of JulyÂ 2, 2023 (unaudited)172,293Â $345Â $1,010,973Â $537,947Â $(68,802)$1,480,463Â The accompanying notes are an integral part of these consolidated financial statements.7COGNEX CORPORATIONCONSOLIDATED STATEMENTS OF SHAREHOLDERSâ€™ EQUITY(In thousands)Â Common StockAdditionalPaid-in CapitalRetained EarningsAccumulatedOtherComprehensiveLossTotalShareholdersâ€™EquityÂ SharesParÂ ValueBalance as of DecemberÂ 31, 2023171,599Â $343Â $1,037,202Â $512,543Â $(45,336)$1,504,752Â Net issuance of common stock under stock plans375Â â€”Â (1,871)â€”Â â€”Â (1,871)Repurchase of common stock(473)â€”Â â€”Â (19,879)â€”Â (19,879)Stock-based compensation expenseâ€”Â â€”Â 26,266Â â€”Â â€”Â 26,266Â Payment of dividends ($0.150 per common shareâ€”Â â€”Â â€”Â (25,756)â€”Â (25,756)Net incomeâ€”Â â€”Â â€”Â 48,234Â â€”Â 48,234Â Net unrealized gain (loss) on available-for-sale investments, net of tax of $53â€”Â â€”Â â€”Â â€”Â 1,379Â 1,379Â Reclassification of net realized (gain) loss on the sale of available-for-sale investmentsâ€”Â â€”Â â€”Â â€”Â 8Â 8Â Foreign currency translation adjustmentâ€”Â â€”Â â€”Â â€”Â (26,403)(26,403)Balance as of JuneÂ 30, 2024 (unaudited)171,501Â $343Â $1,061,597Â $515,142Â $(70,352)$1,506,730Â Â Common StockAdditionalPaid-in CapitalRetained EarningsAccumulatedOtherComprehensiveLossTotalShareholdersâ€™EquityÂ SharesParÂ ValueBalance as of DecemberÂ 31, 2022172,631Â $345Â $979,167Â $528,179Â $(69,297)$1,438,394Â Net issuance of common stock under stock plans628Â 2Â 2,653Â â€”Â â€”Â 2,655Â Repurchase of common stock(966)(2)â€”Â (49,161)â€”Â (49,163)Stock-based compensation expenseâ€”Â â€”Â 29,153Â â€”Â â€”Â 29,153Â Payment of dividends ($0.140 per common shareâ€”Â â€”Â â€”Â (24,160)â€”Â (24,160)Net incomeâ€”Â â€”Â â€”Â 83,089Â â€”Â 83,089Â Net unrealized gain (loss) on available-for-sale investments, net of tax of $1,274â€”Â â€”Â â€”Â â€”Â 3,720Â 3,720Â Foreign currency translation adjustmentâ€”Â â€”Â â€”Â â€”Â (3,225)(3,225)Balance as of JulyÂ 2, 2023 (unaudited)172,293Â $345Â $1,010,973Â $537,947Â $(68,802)$1,480,463Â The accompanying notes are an integral part of these consolidated financial statements.8COGNEX CORPORATION NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (UNAUDITED)NOTE 1: Summary of Significant Accounting PoliciesAs permitted by the rules of the Securities and Exchange Commission applicable to Quarterly Reports on Form 10-Q, these notes are condensed and do not contain all disclosures required by generally accepted accounting principles (GAAP). Reference should be made to the consolidated financial statements and related notes included in the Companyâ€™s Annual Report on Form 10-K for the year ended DecemberÂ 31, 2023 for a full description of other significant accounting policies.In the opinion of the management of Cognex Corporation (the "Company"), the accompanying consolidated unaudited financial statements contain all adjustments, consisting of normal, recurring adjustments, adjustments related to losses and recoveries from the fire at the Company's primary contract manufacturer (Note 17), and financial statement reclassifications necessary to present fairly the Companyâ€™s financial position as of JuneÂ 30, 2024, and the results of its operations for the three-month and six-month periods ended JuneÂ 30, 2024 and JulyÂ 2, 2023, and changes in shareholdersâ€™ equity, comprehensive income, and cash flows for the periods presented.The results disclosed in the Consolidated Statements of Operations for the three-month and six-month periods ended JuneÂ 30, 2024 are not necessarily indicative of the results to be expected for the full year.NOTE 2: New PronouncementsAccounting Standards Update (ASU) 2023-09, "Income Taxes (Topic 740): Improvements to Income Tax Disclosures"The amendments in this ASU apply to all entities that are subject to Topic 740, Income Taxes. The amendments require public business entities to disclose specific categories in their rate reconciliation and provide additional information for reconciling items that meet a quantitative threshold. They also require all entities to disclose income taxes paid, net of refunds received, disaggregated by federal, state, and foreign taxes and by individual jurisdictions in which income taxes paid, net of refunds received, are equal to or greater than five percent of total income taxes paid. For public business entities, the amendments in this ASU are effective for annual periods beginning after December 15, 2024. The amendments in this ASU should be applied on a prospective basis. Management does not expect ASU 2023-09 to have a material impact on the Company's financial statements and disclosures.Accounting Standards Update (ASU) 2023-07, "Segment Reporting (Topic 280): Improvements to Reportable Segment Disclosures"The amendments in this ASU apply to all public entities, including public entities with a single reportable segment, that are required to report segment information in accordance with Topic 280, Segment Reporting. The amendments require public business entities to provide in interim and annual periods one or more measures of segment profit or loss used by the chief operating decision maker to allocate resources and assess performance. Additionally, the amendments require disclosure of significant segment expenses and other segment items, as well as incremental qualitative disclosures. The amendments in this ASU are effective for fiscal years beginning after December 15, 2023 and interim periods within fiscal years beginning after December 15, 2024. The amendments in the ASU should be applied on a retrospective basis. We did not early adopt ASU 2023-07. Management does not expect ASU 2023-07 to have a material impact on the Company's financial statements and disclosures.9COGNEX CORPORATION NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (UNAUDITED)NOTE 3: Fair Value MeasurementsFinancial Assets and Liabilities that are Measured at Fair Value on a Recurring BasisThe following table summarizes the financial assets and liabilities required to be measured at fair value on a recurring basis as of JuneÂ 30, 2024 (in thousands):QuotedÂ PricesÂ inActive Marketsfor IdenticalAssets (Level 1)Significant OtherObservableInputs (Level 2)Unobservable Inputs (Level 3)Assets:Money market instruments$583Â $â€”Â $â€”Â Corporate bondsâ€”Â 316,342Â â€”Â Treasury notesâ€”Â 45,042Â â€”Â Treasury billsâ€”Â 26,394Â â€”Â Asset-backed securitiesâ€”Â 15,304Â â€”Â Certificate of depositâ€”Â 7,601Â â€”Â Sovereign bondsâ€”Â 1,975Â â€”Â Economic hedge forward contractsâ€”Â 57Â â€”Â Liabilities:Economic hedge forward contractsâ€”Â 152Â â€”Â The Companyâ€™s money market instruments are reported at fair value based upon the daily market price for identical assets in active markets, and are therefore classified as Level 1. The Companyâ€™s debt securities and forward contracts are reported at fair value based on model-driven valuations in which all significant inputs are observable or can be derived from or corroborated by observable market data for substantially the full term of the asset or liability, and are therefore classified as Level 2. Management is responsible for estimating the fair value of these financial assets and liabilities, and in doing so, considers valuations provided by a large, third-party pricing service. For debt securities, this service maintains regular contact with market makers, brokers, dealers, and analysts to gather information on market movement, direction, trends, and other specific data. They use this information to structure yield curves for various types of debt securities and arrive at the daily valuations. The Company's forward contracts are typically traded or executed in over-the-counter markets with a high degree of pricing transparency. The market participants are generally large commercial banks.Non-financial Assets that are Measured at Fair Value on a Non-recurring BasisNon-financial assets, such as property, plant and equipment, operating lease assets, goodwill, and intangible assets, are required to be measured at fair value only when an impairment loss is recognized. The Company did not record impairment charges related to non-financial assets during the three-month or six-month periods ended JuneÂ 30, 2024 or JulyÂ 2, 2023.10COGNEX CORPORATION NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (UNAUDITED)NOTE 4: Cash, Cash Equivalents, and InvestmentsCash, cash equivalents, and investments consisted of the following (in thousands):June 30, 2024December 31, 2023Cash$141,508Â $183,242Â Treasury bills26,934Â â€”Â Certificate of deposit7,601Â â€”Â Money market instruments583Â 19,413Â Cash and cash equivalents176,626Â 202,655Â Corporate bonds103,654Â 124,851Â Asset-backed securities5,346Â 3,551Â Treasury notes2,449Â â€”Â Sovereign bonds1,000Â 990Â Current investments112,449Â 129,392Â Corporate bonds212,688Â 183,965Â Treasury notes42,593Â 43,523Â Asset-backed securities9,958Â 15,763Â Sovereign bonds975Â 979Â Non-current investments266,214Â 244,230Â $555,289Â $576,277Â Corporate bonds consist of debt securities issued by both domestic and foreign companies; asset-backed securities consist of debt securities collateralized by pools of receivables or loans with credit enhancement; treasury notes consist of debt securities issued by the U.S. government; and sovereign bonds consist of direct debt issued by foreign governments. All of the Company's securities as of JuneÂ 30, 2024 and DecemberÂ 31, 2023 were denominated in U.S. Dollars.Accrued interest receivable is recorded in "Prepaid expenses and other current assets" on the Consolidated Balance Sheets and amounted to $4,383,000 and $3,169,000 as of JuneÂ 30, 2024 and DecemberÂ 31, 2023, respectively.The following table summarizes the Companyâ€™s available-for-sale investments as of JuneÂ 30, 2024 (in thousands):AmortizedCostGrossUnrealizedGainsGrossUnrealizedLossesFairÂ ValueCurrent:Corporate bonds$105,250Â $â€”Â $(1,596)$103,654Â Asset-backed securities5,426Â â€”Â (80)5,346Â Treasury notes2,500Â (51)2,449Â Sovereign bonds1,001Â â€”Â (1)1,000Â Non-current:Corporate bonds217,537Â 73Â (4,922)212,688Â Treasury notes43,362Â â€”Â (769)42,593Â Asset-backed securities10,689Â â€”Â (731)9,958Â Sovereign bonds1,025Â â€”Â (50)975Â $386,790Â $73Â $(8,200)$378,663Â 11COGNEX CORPORATION

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (UNAUDITED)The following table summarizes the Companyâ€™s available-for-sale investments as of DecemberÂ 31, 2023 (in thousands):AmortizedCostGrossUnrealizedGainsGrossUnrealizedLossesFairÂ ValueCurrent:Corporate bonds$128,150Â $â€”Â $(3,299)$124,851Â Asset-backed securities3,637Â â€”Â (86)3,551Â Sovereign bonds1,012Â â€”Â (22)990Â Non-current:Corporate bonds189,326Â 506Â (5,867)183,965Â Treasury notes43,654Â 82Â (213)43,523Â Asset-backed securities16,773Â â€”Â (1,010)15,763Â Sovereign bonds1,037Â â€”Â (58)979Â $383,589Â $588Â $(10,555)$373,622Â The following table summarizes the Companyâ€™s gross unrealized losses and fair values for available-for-sale investments in an unrealized loss position as of JuneÂ 30, 2024 (in thousands):Â Unrealized Loss Position For:Â Â Less than 12 Months12 Months or GreaterTotalÂ FairÂ ValueUnrealizedLossesFairÂ ValueUnrealizedLossesFairÂ ValueUnrealizedLossesCorporate bonds$93,328Â (962)203,251Â $(5,556)$296,579Â $(6,518)Treasury notes22,107Â (284)22,936Â (536)45,043Â (820)Asset-backed securities9,599Â (716)5,705Â (95)15,304Â (811)Sovereign bondsâ€”Â â€”Â 1,974Â (51)1,974Â (51)$125,034Â $(1,962)$233,866Â $(6,238)$358,900Â $(8,200)The following table summarizes the Companyâ€™s gross unrealized losses and fair values for available-for-sale investments in an unrealized loss position as of DecemberÂ 31, 2023 (in thousands):Â Unrealized Loss Position For:Â Â Less than 12 Months12 Months or GreaterTotalÂ FairÂ ValueUnrealizedLossesFairÂ ValueUnrealizedLossesFairÂ ValueUnrealizedLossesCorporate bonds$30,770Â (359)226,643Â $(8,807)$257,413Â $(9,166)Treasury notes20,725Â (153)2,441Â (60)23,166Â (213)Asset-backed securities17,062Â (1,049)2,252Â (47)19,314Â (1,096)Sovereign bondsâ€”Â â€”Â 1,968Â (80)1,968Â (80)$68,557Â $(1,561)$233,304Â $(8,994)$301,861Â $(10,555)Management monitors debt securities that are in an unrealized loss position to determine whether a loss exists related to the credit quality of the issuer. When developing an estimate of expected credit losses, management considers all relevant information including historical experience, current conditions, and reasonable forecasts of expected future cash flows. Based on this evaluation, no allowance for credit losses on debt securities was recorded as of JuneÂ 30, 2024 or DecemberÂ 31, 2023. Management currently intends to hold these securities to full value recovery at maturity.12COGNEX CORPORATION NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (UNAUDITED)The following table summarizes the Company's gross realized gains and losses on the sale of debt securities for the three-month periods ended JuneÂ 30, 2024 and JulyÂ 2, 2023 (in thousands):Three-months EndedSix-months EndedJune 30, 2024July 2, 2023June 30, 2024July 2, 2023Gross realized gains$6Â $â€”Â $8Â $â€”Â Gross realized losses(16)â€”Â (16)â€”Â Net realized gains (losses)(10)â€”Â (8)â€”Â Realized gains and losses are included in "Investment income" on the Consolidated Statements of Operations. Prior to the sale of these securities, unrealized gains and losses for these debt securities, net of tax, were recorded in shareholdersâ€™ equity as accumulated other comprehensive income (loss).The following table presents the effective maturity dates of the Companyâ€™s available-for-sale investments as of JuneÂ 30, 2024 (in thousands):<1 year1-2 Years2-3 Years3-4 Years4-5 Years5-8 YearsTotalCorporate bonds$103,654Â $59,638Â $57,273Â $61,410Â $34,367Â $â€”Â $316,342Â Treasury notes2,449Â 987Â 18,909Â 22,697Â â€”Â 45,042Â Asset-backed securities5,346Â 4,060Â â€”Â â€”Â 2,162Â 3,736Â 15,304Â Sovereign bonds1,000Â 975Â â€”Â â€”Â â€”Â â€”Â 1,975Â $112,449Â $65,660Â $76,182Â $84,107Â $36,529Â $3,736Â $378,663Â NOTE 5: InventoriesInventories consisted of the following (in thousands):June 30, 2024December 31, 2023Raw materials$97,031Â $93,201Â Work-in-process4,344Â 5,747Â Finished goods55,880Â 63,337Â $157,255Â $162,285Â NOTE 6:Â LeasesThe Company's leases are primarily leased properties across different worldwide locations where the Company conducts its operations. All of these leases are classified as operating leases. Certain leases may contain options to extend or terminate the lease at the Company's sole discretion. As of JuneÂ 30, 2024, there were no options to terminate and twenty options to extend that were accounted for in the determination of the lease term for the Company's outstanding leases. Certain leases contain leasehold improvement incentives, retirement obligations, escalating clauses, rent holidays, and variable payments tied to a consumer price index. There were no restrictions or covenants for outstanding leases as of JuneÂ 30, 2024.The total operating lease expense for the three-month and six-month periods ended JuneÂ 30, 2024 was $3,474,000 and $7,037,000, respectively. The total operating lease cash payments for the three-month and six-month periods ended JuneÂ 30, 2024 were $3,406,000 and $6,614,000, respectively. The total lease expense for leases with a term of twelve months or less for which the Company elected not to recognize a lease asset or lease liability for the three-month and six-month periods ended JuneÂ 30, 2024 was $57,000 and $139,000, respectively.13COGNEX CORPORATION NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (UNAUDITED)The total operating lease expense for the three-month and six-month periods ended JulyÂ 2, 2023 was $2,639,000 and $5,031,000, respectively. The total operating lease cash payments for the three-month and six-month periods ended JulyÂ 2, 2023 were $2,364,000 and $4,768,000, respectively. The total lease expense for leases with a term of twelve months or less for which the Company elected not to recognize a lease asset or lease liability for the three-month and six-month periods ended JulyÂ 2, 2023 was $136,000 and $160,000, respectively.Future operating lease cash payments are as follows (in thousands):Year Ended DecemberÂ 31,Amount Remainder of fiscal 2024$6,876Â 202512,011Â 20269,944Â 20279,107Â 20288,659Â 20298,078Â Thereafter44,328Â $99,003Â The discounted present value of the future lease cash payments resulted in a total lease liability of $74,183,000 and $78,601,000 as of JuneÂ 30, 2024 and DecemberÂ 31, 2023, respectively. The Company did not have any leases that had not yet commenced but that created significant rights and obligations as of JuneÂ 30, 2024.The Company leases a building in Singapore that serves as a distribution center for customers in Asia. The lease contains two components: an 88,000 square-foot premises that had a commencement date in June of 2023 and a second 27,000 square-foot premises that does not commence until the fourth quarter of 2025. Accordingly, the second component of the lease has not yet been recorded on the Consolidated Balance Sheets, nor has it created any significant rights and obligations as of JuneÂ 30, 2024. This second lease component has an original term of eight years and the Company has the right and option to extend this term by an additional five years, commencing upon the expiration of the original term. Future payment obligations associated with this lease component total $13,231,000, none of which is payable in 2024 and which reflects the estimated extension period of five years. Future payment obligations related to this lease component are not included in the future operating lease cash payments table above. The weighted-average discount rate was 5.7% for the leases outstanding as of both JuneÂ 30, 2024 and DecemberÂ 31, 2023. The weighted-average remaining lease term was 10.2 and 10.5 years for the leases outstanding as of JuneÂ 30, 2024 and DecemberÂ 31, 2023, respectively. NOTE 7:Â GoodwillThe changes in the carrying value of goodwill were as follows (in thousands):Balance as of December 31, 2023$393,181Â Â Â Foreign exchange rate changes(12,139)Balance as of June 30, 2024$381,042Â 14COGNEX CORPORATION NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (UNAUDITED)NOTE 8:Â Intangible AssetsAmortized intangible assets consisted of the following (in thousands):GrossCarryingValueAccumulatedAmortizationNetCarryingValueCustomer relationships$70,394Â $(7,753)$62,641Â Completed technologies58,612Â (23,401)35,211Â Trademarks792Â (176)616Â Non-compete agreements340Â (260)80Â Balance as of June 30, 2024$130,138Â $(31,590)$98,548Â Â GrossCarryingValueAccumulatedAmortizationNetCarryingValueCustomer relationships$75,965Â $(5,352)$70,613Â Completed technologies62,123Â (20,745)41,378Â Trademarks903Â (50)853Â Non-compete agreements340Â (232)108Â Balance as of December 31, 2023$139,331Â $(26,379)$112,952Â As of JuneÂ 30, 2024, estimated future amortization expense related to intangible assets was as follows (in thousands):Year Ended DecemberÂ 31,AmountRemainder of fiscal 2024$5,247Â 202510,267Â 20269,918Â 20278,976Â 20288,246Â 20298,246Â Thereafter47,648Â $98,548Â NOTE 9: Warranty ObligationsThe Company records the estimated cost of fulfilling product warranties at the time of sale based upon historical costs to fulfill claims. Obligations may also be recorded subsequent to the time of sale whenever specific events or changes in circumstances impacting product quality become known that would not have been taken into account using historical data. While we engage in extensive product quality programs and processes, including actively monitoring and evaluating the quality of our component suppliers and third-party contract manufacturers, the Companyâ€™s warranty obligation is affected by product failure rates, material usage, and service delivery costs incurred in correcting a product failure. An adverse change in any of these factors may result in the need for additional warranty provisions. Warranty obligations are included in â€œAccrued expensesâ€ on the Consolidated Balance Sheets.The changes in the warranty obligation were as follows (in thousands):Balance as of December 31, 2023$4,244Â Provisions for warranties issued during the period2,120Â Fulfillment of warranty obligations(1,990)Foreign exchange rate changes(20)Balance as of June 30, 2024$4,354Â 15COGNEX CORPORATION NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (UNAUDITED)NOTE 10: Commitments and ContingenciesAs of JuneÂ 30, 2024, the Company had outstanding purchase orders totaling $43,078,000 to procure inventory from various vendors. Certain of these purchase orders may be canceled by the Company, subject to cancellation penalties. These purchase commitments relate primarily to expected sales in the next twelve months. A significant portion of the Company's outstanding inventory purchase orders as of JuneÂ 30, 2024, as well as additional preauthorized commitments to procure strategic components based on the Company's expected customer demand, are placed with the Company's primary contract manufacturer for the Company's assembled products. The Company has the obligation to purchase any non-cancelable and non-returnable components that have been purchased by the contract manufacturer with the Company's preauthorization, when these components have not been consumed within the period defined in the terms of the Company's agreement with this contract manufacturer. While the Company typically expects such purchased components to be used in future production of Cognex finished goods, these components are considered in the Company's reserve estimate for excess and obsolete inventory. Furthermore, the Company accrues for losses on commitments for the future purchase of non-cancelable and non-returnable components from this contract manufacturer at the time that circumstances, such as changes in demand, indicate that the value of the components may not be recoverable, the loss is probable, and management has the ability to reasonably estimate the amount of the loss.Various claims and legal proceedings generally incidental to the normal course of business are pending or threatened on behalf of or against the Company. While we cannot predict the outcome of these matters, we believe that any liability arising from them will not have a material adverse effect on our financial position, liquidity, or results of operations.NOTE 11: Derivative InstrumentsThe Companyâ€™s foreign currency risk management strategy is principally designed to mitigate the potential financial impact of changes in the value of transactions and balances denominated in foreign currencies resulting from changes in foreign currency exchange rates. The Company enters into economic hedges utilizing foreign currency forward contracts with maturities that do not exceed approximately three months to manage the exposure to fluctuations in foreign currency exchange rates arising primarily from foreign-denominated receivables and payables. The gains and losses on these derivatives are intended to be offset by the changes in the fair value of the assets and liabilities being hedged. These economic hedges are not designated as hedging instruments for hedge accounting treatment.The Company had the following outstanding forward contracts (in thousands):June 30, 2024December 31, 2023CurrencyNotionalValueUSDEquivalentNotionalValueUSDEquivalentDerivatives Not Designated as Hedging Instruments:Singapore Dollar40,700Â $30,041Â 39,700Â $30,136Â Euro22,000Â 23,577Â 40,000Â 44,302Â Chinese Renminbi100,000Â 13,711Â 50,000Â 7,025Â Mexican Peso215,000Â 11,663Â 145,000Â 8,505Â Hungarian Forint2,180,000Â 5,883Â 2,240,000Â 6,466Â British Pound3,245Â 4,112Â 3,345Â 4,258Â Japanese Yen600,000Â 3,750Â 600,000Â 4,255Â Swiss Franc1,675Â 1,875Â â€”Â â€”Â Canadian Dollar1,660Â 1,212Â 1,470Â 1,112Â 16COGNEX CORPORATION NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (UNAUDITED)Information regarding the fair value of the outstanding forward contracts was as follows (in thousands):Â Asset DerivativesLiability DerivativesÂ BalanceFair ValueBalanceFair ValueÂ SheetLocationJune 30, 2024December 31, 2023SheetLocationJune 30, 2024December 31, 2023Derivatives Not Designated as Hedging Instruments:Economic hedge forward contractsPrepaidÂ expensesÂ and other current assets$57Â $151Â Accrued expenses$152Â $106Â The following table presents the gross activity for all derivative assets and liabilities which were presented on a net basis on the Consolidated Balance Sheets due to the right of offset with each counterparty (in thousands):Asset DerivativesLiability DerivativesJune 30, 2024December 31, 2023June 30, 2024December 31, 2023Gross amounts of recognized assets$57Â $151Â Gross amounts of recognized liabilities$152Â $106Â Gross amounts offsetâ€”Â â€”Â Gross amounts offsetâ€”Â â€”Â Net amount of assets presented$57Â $151Â Net amount of liabilities presented$152Â $106Â Information regarding the effect of derivative instruments on the consolidated financial statements was as follows (in thousands):Â Location in Financial StatementsThree-months EndedSix-months EndedÂ June 30, 2024July 2, 2023June 30, 2024July 2, 2023Derivatives Not Designated as Hedging Instruments:Gains (losses) recognized in current operationsForeign currency gain (loss)$876Â $859Â $631Â $(612)17COGNEX CORPORATION NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (UNAUDITED)NOTE 12: Revenue RecognitionThe following table summarizes disaggregated revenue information by geographic area based upon the customer's country of domicile (in thousands):Three-months EndedSix-months EndedJune 30, 2024July 2, 2023June 30, 2024July 2, 2023Americas$85,162Â $82,297Â $168,297Â $162,911Â Europe57,151Â 56,860Â 109,505Â 116,702Â Greater China54,410Â 72,351Â 84,459Â 105,351Â Other Asia42,569Â 31,004Â 87,828Â 58,672Â $239,292Â $242,512Â $450,089Â $443,636Â The following table summarizes disaggregated revenue information by revenue type (in thousands):Three-months EndedSix-months EndedJune 30, 2024July 2, 2023June 30, 2024July 2, 2023Standard products and services$200,856Â $194,944Â $388,488Â $385,727Â Application-specific customer solutions38,436Â 47,568Â 61,601Â 57,909Â $239,292Â $242,512Â $450,089Â $443,636Â Costs to Fulfill a ContractCosts to fulfill a contract are included in "Prepaid expenses and other current assets" on the Consolidated Balance Sheet and amounted to $11,310,000 and $13,265,000 as of JuneÂ 30, 2024 and DecemberÂ 31, 2023, respectively.Accounts Receivable, Contract Assets, and Contract LiabilitiesAccounts receivable represent amounts billed and currently due from customers which are reported at their net estimated realizable value. The Company maintains an allowance against its accounts receivable for credit losses. Contract assets consist of unbilled revenue which arises when revenue is recognized in advance of billing for certain application-specific customer solutions contracts. Contract liabilities consist of deferred revenue and customer deposits which arise when amounts are billed to or collected from customers in advance of revenue recognition.The following table summarizes the allowance for credit losses activity for the six-month period ended JuneÂ 30, 2024 (in thousands):Balance as of December 31, 2023$583Â Increases to the allowance for credit losses100Â Write-offs, net of recoveries(19)Foreign exchange rate changes1Â Balance as of June 30, 2024$665Â 18COGNEX CORPORATION NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (UNAUDITED)The following table summarizes the deferred revenue and customer deposits activity for the six-month period ended JuneÂ 30, 2024 (in thousands):Balance as of December 31, 2023$31,525Â Deferral of revenue billed in the current period, net of recognition30,777Â Recognition of revenue deferred in prior period(21,271)Foreign exchange rate changes(502)Balance as of June 30, 2024$40,529Â As a practical expedient, the Company has elected not to disclose the aggregate amount of the transaction price allocated to unsatisfied performance obligations for our contracts that have an original expected duration of less than one year. The remaining unsatisfied performance obligations for our contracts that have an original expected duration of more than one year, primarily related to extended warranties, are not material.NOTE 13: Stock-Based Compensation ExpenseStock PlansThe Companyâ€™s stock-based awards that result in compensation expense consist of stock options, restricted stock units ("RSUs"), and performance restricted stock units ("PRSUs"). In May 2023, the shareholders of the Company approved the Cognex Corporation 2023 Stock Option and Incentive Plan (the â€œ2023 Planâ€). The 2023 Plan permits awards of stock options (both incentive and non-qualified options), stock appreciation rights, RSUs, and PRSUs. Up to 8,100,000 shares of common stock (subject to adjustment in the event of stock splits and other similar events) may be issued pursuant to awards granted under the 2023 Plan. In connection with the approval of the 2023 Plan, no further awards will be made under the Cognex Corporation 2001 General Stock Option Plan, as amended and restated (the â€œ2001 Planâ€), and the Cognex Corporation 2007 Stock Option and Incentive Plan, as amended and restated (the â€œ2007 Planâ€). With the approval of the 2023 Plan, the 10,610,800 shares of common stock subject to awards granted under the 2001 Plan and the 2007 Plan that were outstanding as of May 3, 2023 may become eligible for issuance under the 2023 Plan if such awards are forfeited, cancelled or otherwise terminated (other than by exercise) (the â€œCarryover Sharesâ€). As of JuneÂ 30, 2024, forfeitures, cancellations, and other terminations from the 2001 Plan and the 2007 Plan have resulted in 777,455 Carryover Shares, raising the authorized total shares that may be issued under the 2023 Plan to 8,877,455.As of JuneÂ 30, 2024, the Company had 5,958,000 shares available for grant under its stock plans. Stock options are granted with an exercise price equal to the market value of the Companyâ€™s common stock at the grant date and generally vest over four or five years based upon continuous service and expire ten years from the grant date. RSUs generally vest upon three or four years of continuous employment or incrementally over such three or four-year periods. PRSUs generally vest upon three years of continuous employment and achievement of performance criteria established by the Compensation Committee of our Board of Directors on or prior to the grant date. Participants are not entitled to dividends on stock options, RSUs, or PRSUs.19COGNEX CORPORATION NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (UNAUDITED)Stock OptionsThe following table summarizes the Companyâ€™s stock option activity for the six-month period ended JuneÂ 30, 2024:Shares(inÂ thousands)Weighted-AverageExercisePriceWeighted-AverageRemainingContractualTermÂ (inÂ years)AggregateIntrinsicValue(inÂ thousands)Outstanding as of DecemberÂ 31, 20239,008Â $50.87Â Granted1,620Â 39.74Â Exercised(112)23.52Â Forfeited or expired(397)56.39Â Outstanding as of JuneÂ 30, 202410,119Â $49.17Â 6.10$35,881Â Exercisable as of JuneÂ 30, 20245,880Â $49.22Â 4.31$22,854Â Options vested or expected to vest as of June 30, 2024 (1)9,413Â $49.36Â 5.89$33,342Â Â (1) In addition to the vested options, the Company expects a

portion of the unvested options to vest at some point in the future. Options expected to vest are calculated by applying an estimated forfeiture rate to the unvested options.The total cash received as a result of stock option exercises for the three-month and six-month periods ended JuneÂ 30, 2024 was $1,516,000 and $2,637,000, respectively, and for the three-month and six-month periods ended JulyÂ 2, 2023 was $6,141,000 and $10,118,000, respectively. In connection with these exercises, the tax expense realized by the Company for the three-month and six-month periods ended JuneÂ 30, 2024 was $2,043,000 and $2,072,000, respectively, and for the three-month and six-month periods ended JulyÂ 2, 2023 was $2,426,000 and $3,893,000, respectively.The fair values of stock options granted in each period presented were estimated using the following weighted-average assumptions:Â Three-monthsÂ EndedSix-months EndedÂ June 30, 2024July 2, 2023June 30, 2024July 2, 2023Risk-free rate4.5Â %3.5Â %4.3Â %3.9Â %Expected dividend yield0.67Â %0.56Â %0.75Â %0.59Â %Expected volatility39Â %39Â %39Â %39Â %Expected term (in years)4.75.94.74.9Risk-free rateThe risk-free rate was based upon a treasury instrument whose term was consistent with the contractual term of the option.Expected dividend yieldThe current dividend yield was calculated by annualizing the cash dividend declared by the Companyâ€™s Board of Directors and dividing that result by the closing stock price on the grant date.Â Expected volatilityThe expected volatility was based upon a combination of historical volatility ofÂ the Companyâ€™s common stock over the contractual term of the option and implied volatility for traded options of the Companyâ€™s stock.20COGNEX CORPORATION NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (UNAUDITED)Expected termThe expected term was derived from the binomial lattice model from the impact of events that trigger exercises over time.The weighted-average grant-date fair values of stock options granted during the three-month and six-month periods ended JuneÂ 30, 2024 were $18.46 and $14.89, respectively, and during the three-month and six-month periods ended JulyÂ 2, 2023 were $20.09 and $17.86, respectively.The total intrinsic values of stock options exercised for the three-month and six-month periods ended JuneÂ 30, 2024 were $994,000 and $2,049,000, respectively, and for the three-month and six-month periods ended JulyÂ 2, 2023 were $2,123,000 and $5,562,000, respectively. The total fair values of stock options vested for the three-month and six-month periods ended JuneÂ 30, 2024 were $698,000 and $26,209,000, respectively, and for the three-month and six-month periods ended JulyÂ 2, 2023 were $892,000 and $32,073,000, respectively.Restricted Stock Units (RSUs)The following table summarizes the Company's RSUs activity for the six-month period ended JuneÂ 30, 2024: Shares(in thousands)Weighted-Average Grant Date Fair ValueNonvested as of DecemberÂ 31, 20231,429Â $54.22Â Granted797Â 39.03Â Vested(375)65.58Â Forfeited or expired(55)49.86Â Nonvested as of JuneÂ 30, 20241,796Â $45.23Â The fair value of RSUs is determined based on the observable market price of the Company's stock on the grant date less the present value of expected future dividends. The weighted-average grant-date fair values of RSUs granted during the three-month and six-month periods ended JuneÂ 30, 2024 were $43.97 and $39.03, respectively, and during the three-month and six-month periods ended JulyÂ 2, 2023 were $52.53 and $46.86, respectively. There were 36,000 and 375,000 RSUs that vested during the three-month and six-month periods ended JuneÂ 30, 2024, respectively, and 29,000 and 482,000 that vested during the three-month and six-month periods ended JulyÂ 2, 2023, respectively.Tax obligations for vested RSUs are settled by withholding a portion of the shares prior to distribution to the shareholder. The total cash used by the Company to fund the tax payments for the three-month and six-month periods ended JuneÂ 30, 2024 was $526,000 and $4,507,000, respectively, and for the three-month and six-month periods ended July 2, 2023 was $432,000 and $7,464,000, respectively. In connection with these vested RSUs, the tax expense realized by the Company for the three-month and six-month periods ended JuneÂ 30, 2024 was $2,074,000 and $6,867,000, respectively, and for the three-month and six-month periods ended July 2, 2023 was $150,000 and $3,476,000, respectively.21COGNEX CORPORATION NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (UNAUDITED)Performance Restricted Stock Units (PRSUs)The following table summarizes the Company's PRSUs activity for the six-month period ended JuneÂ 30, 2024: Shares(in thousands)Weighted-Average Grant Date Fair ValueNonvested as of DecemberÂ 31, 202379Â $52.23Â Granted55Â 39.05Â Vestedâ€”Â â€”Â Forfeited or expiredâ€”Â â€”Â Nonvested as of JuneÂ 30, 2024134Â $46.82Â The fair value of PRSUs is calculated using the Monte Carlo simulation model to estimate the probability of satisfying the service and market conditions stipulated in the award grant. There were 0 and 55,000 PRSUs granted during the three-month and six-month periods ended JuneÂ 30, 2024, respectively, and 0 and 46,000 granted during the three-month and six-month periods ended JulyÂ 2, 2023, respectively. No PRSUs vested during the three-month and six-month periods ended JuneÂ 30, 2024 and JulyÂ 2, 2023.Stock-Based Compensation ExpenseThe Company stratifies its employee population into three groups: one consisting of the CEO, one consisting of senior management, and another consisting of all other employees. The Company currently applies an estimated annual forfeiture rate of 0% to all stock-based awards for the CEO, 9% to all stock-based awards for senior management, and a rate of 13% for all other employees. Each year during the first quarter, the Company revises its forfeiture rate based on updated estimates of employee turnover. This resulted in a decrease to compensation expense of $1,832,000 in 2024 and $234,000 in 2023.As of JuneÂ 30, 2024, total unrecognized compensation expense, net of estimated forfeitures, related to non-vested equity awards, including stock options, RSUs, and PRSUs, was $75,507,000, which is expected to be recognized over a weighted-average period of 1.9 years.The total stock-based compensation expense and the related income tax benefit recognized for the three-month period ended JuneÂ 30, 2024 were $12,964,000 and $2,027,000, respectively, and for the six-month period ended JuneÂ 30, 2024 were $26,266,000 and $3,772,000, respectively. The total stock-based compensation expense and the related income tax benefit recognized for the three-month period ended JulyÂ 2, 2023 were $12,574,000 and $1,892,000, respectively, and for the six-month period ended JulyÂ 2, 2023 were $29,153,000 and $4,200,000, respectively. No compensation expense was capitalized as of JuneÂ 30, 2024 or DecemberÂ 31, 2023.The following table presents the stock-based compensation expense by caption for each period presented on the Consolidated Statements of Operations (in thousands):Â Three-months EndedSix-months EndedÂ June 30, 2024July 2, 2023June 30, 2024July 2, 2023Cost of revenue$413Â $441Â $1,018Â $1,062Â Research, development, and engineering3,540Â 3,308Â 7,929Â 9,198Â Selling, general, and administrative9,011Â 8,825Â 17,319Â 18,893Â $12,964Â $12,574Â $26,266Â $29,153Â 22COGNEX CORPORATION NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (UNAUDITED)NOTE 14: Stock Repurchase ProgramIn March 2022, the Company's Board of Directors authorized the repurchase of $500,000,000 of the Company's common stock. Under this March 2022 program, in addition to repurchases made in prior years, the Company repurchased 966,000 shares at a total cost of $49,163,000 during the six-month period ended JulyÂ 2, 2023 and 473,000 shares at a total cost of $19,879,000 during the six-month period ended JuneÂ 30, 2024, leaving a remaining balance of $313,013,000 as of JuneÂ 30, 2024. The Company may repurchase shares under this program in future periods depending on a variety of factors, including, among other things, the impact of dilution from employee stock awards, stock price, share availability, and cash requirements. The Company is authorized to make repurchases of its common stock through open market purchases, pursuant to Rule 10b5-1 trading plans, or in privately negotiated transactions. NOTE 15: Income TaxesThe Company's effective tax rate was 13% and 18% for the three-month and six-month periods ended JuneÂ 30, 2024, respectively, and 15% and 12% for the three-month and six-month periods ended JulyÂ 2, 2023, respectively.The Company has defined its major tax jurisdictions as the United States, Ireland, China, Japan, and Korea, and within the United States, Massachusetts. The statutory tax rate is 12.5% in Ireland, 25% in China, 34.6% in Japan, and 21% in Korea, compared to the U.S. federal statutory corporate tax rate of 21%. These foreign tax rate differences resulted in a favorable impact to the effective tax rate for both the three-month and six-month periods ended JuneÂ 30, 2024 and JulyÂ 2, 2023.The Company recorded a net discrete tax benefit totaling $463,000 and a net discrete tax expense totaling $2,622,000 for the three-month and six-month periods ended JuneÂ 30, 2024, and a net discrete tax expense totaling $399,000 and a net discrete tax benefit totaling $3,195,000 for the same periods in 2023.Discrete tax items for the six-month period ended JuneÂ 30, 2024 included (1) an increase in tax expense of $1,371,000 related to stock-based compensation; (2) an increase in tax expense of $477,000 related to state tax matters; (3) an increase in tax expense of $922,000 for interest expense related to tax reserves; (4) a net decrease in tax expense of $1,278,000 related to return-to-provision adjustments; and (5) an increase in tax expense of $1,130,000 for other tax matters.Discrete tax items for the six-month period ended JulyÂ 2, 2023 included (1) an increase in tax expense of $1,766,000 related to stock-based compensation; (2) a net decrease in tax expense of $3,051,000 due primarily to the release of tax reserves on state tax credits and foreign audit settlements; (3) a decrease in tax expense of $2,198,000 for adjustments to certain deferred tax assets; and (4) a net increase in tax expense of $288,000 for return-to-provision adjustments. The Companyâ€™s reserve for income taxes, including gross interest and penalties, was $31,193,000 as of JuneÂ 30, 2024, of which $28,826,000 was classified as a non-current liability and $2,367,000 was classified as an offset to deferred tax assets. If the Companyâ€™s tax positions were sustained or the statutes of limitations related to certain positions expired, these reserves would be released and income tax expense would be reduced in a future period.Within the United States, the tax years 2020 through 2022 remain open to examination by the IRS, and 2019 through 2022 remain open to examination by various state tax authorities. The tax years 2017 through 2023 remain open to examination by various international taxing authorities in other jurisdictions in which the Company operates. In October 2021, more than 135 countries and jurisdictions agreed to participate in a "two-pillar" international tax approach developed by the Organisation for Economic Co-operation and Development (OECD), which includes establishing a global minimum corporate tax rate of 15%. The OECD published "Tax Challenges Arising from the Digitalisation of the Economy â€“ Global Anti-Base Erosion Model Rules (Pillar Two)" in December 2021 and subsequently issued additional commentary and administrative guidance clarifying several aspects of the model rules. Since the model rules have been released, many countries have now enacted Pillar Two-related laws, some of which became effective January 1, 2024, and it is anticipated that more countries will follow suit throughout 2024. As of JuneÂ 30, 2024, the Company does not expect Pillar Two taxes to have a significant impact on its 2024 financial statements.23COGNEX CORPORATION NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (UNAUDITED)NOTE 16: Weighted-Average SharesWeighted-average shares were calculated as follows (in thousands):Â Three-months EndedSix-months EndedÂ June 30, 2024July 2, 2023June 30, 2024July 2, 2023Basic weighted-average common shares outstanding171,568Â 172,429Â 171,630Â 172,527Â Effect of dilutive equity awards1,165Â 1,193Â 1,069Â 1,264Â Weighted-average common and common-equivalent shares outstanding172,733Â 173,622Â 172,699Â 173,791Â Stock options to purchase 8,325,000 and 8,415,000 shares of common stock, on a weighted-average basis, were outstanding during the three-month and six-month periods ended JuneÂ 30, 2024, respectively, and 6,890,000 and 6,713,000 during the three-month and six-month periods ended JulyÂ 2, 2023, respectively, but were not included in the calculation of dilutive net income per share because they were anti-dilutive. Restricted stock units totaling 1,000 and 9,000 shares of common stock, on a weighted-average basis, were outstanding during the three-month and six-month periods ended JuneÂ 30, 2024, respectively, and 3,000 and 1,000 during the three-month and six-month periods ended JulyÂ 2, 2023, respectively, but were not included in the calculation of dilutive net income per share because they were anti-dilutive. No PRSUs were excluded in the calculation of dilutive net income per share for the three-month and six-month periods ended JuneÂ 30, 2024 and JulyÂ 2, 2023, respectively, as PRSUs were not anti-dilutive on a weighted-average basis.NOTE 17: Loss (Recovery) from FireOn June 7, 2022, the Companyâ€™s primary contract manufacturer experienced a fire at its plant in Indonesia, destroying a significant amount of Cognex-owned consigned inventories.During the three-month period ended July 2, 2023, the Company recorded a recovery related to the fire of $2,500,000 for proceeds received from the Company's insurance carrier in relation to a business interruption claim. This recovery amount is presented in the caption â€œLoss (recovery) from fireâ€ on the Consolidated Statements of Operations.NOTE 18: Business CombinationsOn October 18, 2023, the Company acquired all the outstanding shares of Moritex Corporation ("Moritex"), a global provider of premium optical components based in Japan, for an enterprise value of Â¥40Â billion Japanese Yen, or approximately $270Â million U.S. Dollars based on the closing date foreign exchange rate.The cash-free, debt-free enterprise value was adjusted by cash acquired, debt assumed, and final working capital balances to arrive at total consideration to be allocated to assets acquired and liabilities assumed of Â¥44,376,245,000 ($296,138,000 based on the closing date foreign exchange rate), of which Â¥44,227,414,000 ($295,144,000) was paid in cash on the closing date and Â¥148,831,000 ($994,000) was paid during the three-month period ended March 31, 2024 as a final purchase price adjustment based on the closing balance sheet.NOTE 19: Subsequent EventsOn July 31, 2024, the Companyâ€™s Board of Directors declared a cash dividend of $0.075 per share. The dividend is payable on August 29, 2024 to all shareholders of record as of the close of business on August 15, 2024. 24ITEMÂ 2: MANAGEMENTâ€™S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATIONSForward-Looking StatementsCertain statements made in this report, as well as oral statements made by the Company from time to time, constitute forward-looking statements within the meaning of Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Exchange Act. Readers can identify these forward-looking statements by our use of the words â€œexpects,â€ â€œanticipates,â€ â€œestimates,â€ "potential," â€œbelieves,â€ â€œprojects,â€ â€œintends,â€ â€œplans,â€ â€œwill,â€ â€œmay,â€ â€œshall,â€ â€œcould,â€ â€œshould,â€ "opportunity," "goal" and similar words and other statements of a similar sense. These statements are based on our current estimates and expectations as to prospective events and circumstances, which may or may not be in our control and as to which there can be no firm assurances given. These forward-looking statements, which include statements regarding business and market trends, future financial performance and financial targets, customer demand and order rates and timing of related revenue, managing supply challenges, delivery lead times, future product or revenue mix, research and development activities, sales and marketing activities (including our 'Emerging Customer' sales initiative), new product offerings and product development activities, customer acceptance of our products, capital expenditures, cost management activities, investments, liquidity, dividends and stock repurchases, strategic and growth plans and opportunities, acquisitions, and estimated tax benefits and expenses and other tax matters, involve known and unknown risks and uncertainties that could cause actual results to differ materially from those projected. Such risks and uncertainties include: (1) the technological obsolescence of current products and the inability to develop new products, particularly in connection with emerging artificial intelligence technologies; (2) the impact of competitive pressures; (3) the inability to attract and retain skilled employees and maintain our unique corporate culture; (4) the failure to properly manage the distribution of products and services; (5) economic, political, and other risks associated with international sales and operations, including the impact of trade disputes, the economic climate in China, and the wars in Ukraine and Israel; (6) the challenges in integrating and achieving expected results from acquired businesses, including our acquisition of Moritex Corporation; (7) information security breaches and other cybersecurity risks; (8) the failure to comply with laws or regulations relating to data privacy or data protection; (9) the inability to protect our proprietary technology and intellectual property; (10) the failure to manufacture and deliver products in a timely manner; (11) the inability to obtain, or the delay in obtaining, components for our products at reasonable prices; (12) the failure to effectively manage product transitions or accurately forecast customer demand; (13) the inability to manage disruptions to our distribution centers or to our key suppliers; (14) the inability to design and manufacture high-quality products; (15) the loss of, or curtailment of or delays in purchases by, large customers in the logistics, consumer electronics, or automotive industries; (16) potential impairment charges with respect to our investments or acquired intangible assets; (17) exposure to additional tax liabilities, increases and fluctuations in our effective tax rate, and other tax matters; (18) fluctuations in foreign currency exchange rates and the use of derivative instruments; (19) unfavorable global economic conditions, including high interest rates and fluctuating inflation rates; (20) business disruptions from natural or man-made disasters, such as fire, or public health issues; (21) exposure to potential liabilities, increased costs (including regulatory compliance costs), reputational harm, and other potential impacts associated with expectations relating to environmental, social, and governance considerations; (22) stock price volatility; and (23) our involvement in time-consuming and costly litigation or activist shareholder activities. The foregoing list should not be construed as exhaustive and we encourage readers to refer to the detailed discussion of risk factors included in Part I - Item 1A of the Company's Annual Report on Form 10-K for the fiscal year ended December 31, 2023, as updated by Part II - Item 1A of this Quarterly Report on Form 10-Q. The Company cautions readers not to place undue reliance upon any such forward-looking statements, which speak only as of the date made. The Company disclaims any obligation to subsequently revise forward-looking statements to reflect the occurrence of anticipated or unanticipated events or circumstances after the date such statements are made.Executive OverviewCognex Corporation (the "Companyâ€) invents and commercializes technologies that address some of the most critical manufacturing and distribution challenges. We are a leading global provider of machine vision products and solutions that seek to improve efficiency and quality in a wide range of businesses across attractive industrial end markets. In addition to product revenue derived from the sale of machine vision products, the Company also generates revenue by providing maintenance and support, consulting, and training services to its customers; however, service revenue accounted for less than 10% of total revenue for all periods presented.25Machine vision is used in a variety of industries where technology is widely recognized as an important component of automated production, distribution, and quality assurance. Virtually every manufacturer or distributor can achieve better quality and efficiency by using machine vision. This results in a broad base of potential customers across a variety of industries, including automotive, logistics, consumer electronics, medical-related, semiconductor, consumer products, and food and beverage.Revenue for the second quarter of 2024 totaled $239,292,000 and was relatively flat compared to the second quarter of 2023. Incremental revenue arising from the acquisition of Moritex Corporation ("Moritex") that closed in the fourth quarter of 2023 and higher revenue from customers in the logistics and semiconductor industries, was partially offset by lower spending trends across our factory automation business. Gross margin as a percentage of revenue was 70% for the second quarter of 2024 as compared to 74% for the second quarter of 2023 due primarily to the impact of a less favorable revenue mix and the amortization of Moritex acquired technologies.Operating expenses for the second quarter of 2024

increased 12% from the second quarter of 2023. Investments in our â€œEmerging Customerâ€ sales initiative focused on broadening our customer base and incremental costs related to the acquisition of Moritex were partially offset by the impact of cost management activities.Operating income decreased to 16% of revenue for the second quarter of 2024 as compared to 27% of revenue for the second quarter of 2023 driven by the lower gross margin percentage and continued investment in our "Emerging Customer" sales initiative. This lower level of operating income resulted in net income of 15% of revenue, or $0.21 per diluted share, for the second quarter of 2024, as compared to 24% of revenue, or $0.33 per diluted share, for the second quarter of 2023.Results of OperationsAs foreign currency exchange rates are a factor in understanding period-to-period comparisons, we believe the presentation of results on a constant-currency basis in addition to reported results helps improve investorsâ€™ ability to understand our operating results and evaluate our performance in comparison to prior periods. We also use results on a constant-currency basis as one measure to evaluate our performance. Constant-currency information compares results between periods as if exchange rates had remained constant period-over-period. We generally refer to such amounts calculated on a constant-currency basis as excluding the impact of foreign currency exchange rate changes. Results on a constant-currency basis are not in accordance with accounting principles generally accepted in the United States of America (U.S. GAAP) and should be considered in addition to, and not as a substitute for, results prepared in accordance with U.S. GAAP.RevenueRevenue decreased by $3,220,000, or 1%, for the three-month period and increased by $6,453,000, or 1%, for the six-month period as compared to the same periods in 2023. Revenue from the acquisition of Moritex that closed in the fourth quarter of 2023 represented approximately 7% of total revenue for both periods in 2024.In addition to the contribution of Moritex, revenue from customers in the logistics and semiconductor industries increased for both the three-month and six-month periods in 2024 from the prior year. These increases were offset by lower spending trends across our factory automation business, most notably in the automotive and consumer electronics industries. The decrease in automotive revenue was due to continued softness across the automotive business, as well as delayed spending from electric vehicle battery manufacturers. The decrease in consumer electronics revenue was also impacted by the timing of large customer deployments that were completed late in the second quarter of 2023.26The following table sets forth our disaggregated revenue information by geographic area based upon the customer's country of domicile (in thousands) for the three-month and six-month periods ended JuneÂ 30, 2024 and JulyÂ 2, 2023.Three-months EndedSix-months EndedJune 30, 2024July 2, 2023$ Change% ChangeJune 30, 2024July 2, 2023$ Change% Change(unaudited)
(unaudited)Americas$85,162Â $82,297Â $2,865Â 3Â %$168,297Â $162,911Â $5,386Â 3Â %Percentage of total
revenue36Â %34Â %37Â %37Â %Europe$57,151Â $56,860Â $291Â 1Â %$109,505Â $116,702Â $(7,197)(6)%Percentage of total revenue24Â %23Â %24Â %26Â %Greater
China$54,410Â $72,351Â $(17,941)(25)%$84,459Â $105,351Â $(20,892)(20)%Percentage of total revenue23Â %30Â %19Â %24Â %Other
Asia$42,569Â $31,004Â $11,565Â 37Â %$87,828Â $58,672Â $29,156Â 50Â %Percentage of total revenue18Â %13Â %20Â %13Â %Total revenue$239,292Â $242,512Â $(3,220)(1)%$450,089Â $443,636Â $6,453Â 1Â %Changes in revenue from a geographic perspective were as follows: â€¢Revenue from customers based in the Americas increased by 3% for both the three-month and six-month periods. The increase was primarily driven by higher revenue from customers in the logistics industry, partially offset by continued softness across our factory automation business. The increase in logistics revenue for the six-month period in 2024 included a strategic logistics project completed in the first quarter.â€¢Revenue from customers based in Europe increased by 1% for the three-month period and decreased by 6% for the six-month period. Similar to the Americas, the Europe region continued to experience softness across our factory automation business. Although logistics revenue was higher for both periods in 2024, this increase was not enough to offset declines in factory automation revenue for the six-month period.â€¢Revenue from customers based in Greater China decreased by 25% for the three-month period and decreased by 20% for the six-month period. The Greater China region continued to experience a challenging business environment. The impact of lower spending trends, as well as the timing of certain deployments related to a large consumer electronics customer that were completed late in the second quarter of 2023, was partially offset by the revenue contribution from the Moritex acquisition.â€¢Revenue from customers based in other countries in Asia increased by 37% for the three-month period and increased by 50% for the six-month period. The increase was primarily driven by incremental revenue related to the acquisition of Moritex, for which the majority of revenue currently comes from customers based in Japan, as well as higher revenue from customers in the semiconductor and logistics industries. Gross MarginThe following table sets forth our gross margin (in thousands) for the three-month and six-month periods ended JuneÂ 30, 2024 and JulyÂ 2, 2023.Three-months EndedSix-months EndedJune 30, 2024July 2, 2023$ Change% ChangeJune 30, 2024July 2, 2023$ Change% Change(unaudited)(unaudited)Gross margin$166,599Â $179,683Â $(13,084)(7)%$308,536Â $323,423Â $(14,887)(5)%Percentage of total revenue70Â %74Â %69Â %73Â %27Gross margin as a percentage of revenue was 70% and 69% for the three-month and six-month periods in 2024, respectively, as compared to 74% and 73% for the same periods in 2023. The decrease was due to a less favorable revenue mix in 2024 that included products with relatively low gross margins from the Moritex acquisition that closed in the fourth quarter of 2023, as well as the amortization of Moritex acquired technologies. The decrease for the six-month period was also due to a strategic logistics project completed in the first quarter that had lower-than-average gross margins, as well as charges related to the final sell-through of Moritex acquired inventories in the first quarter that were written up to fair value. These decreases were partially offset by lower inventory costs driven by a reduction in premiums paid to brokers for the purchase of components as supply chain constraints eased. Operating ExpensesThe following table sets forth our operating expenses (in thousands) for the three-month and six-month periods ended JuneÂ 30, 2024 and JulyÂ 2, 2023.Three-months EndedSix-months EndedJune 30, 2024July 2, 2023$ Change% ChangeJune 30, 2024July 2, 2023$ Change% Change(unaudited)(unaudited)Research, development, and engineering expenses$34,962Â $33,585Â $1,377Â 4Â %$72,067Â $72,127Â $(60)â€”Â %Percentage of total revenue15Â %14Â %16Â %16Â %Selling, general, and administrative
expenses$93,180Â $83,423Â $9,757Â 12Â %$183,808Â $166,460Â $17,348Â 10Â %Percentage of total revenue39Â %34Â %41Â %38Â %Loss (recovery) from
fire$â€”Â $(2,500)$2,500Â (100)%$â€”Â $(2,500)$2,500Â (100)%Percentage of total revenueâ€”Â %(1)%â€”Â %(1)%Total operating
expenses$128,142Â $114,508Â $13,634Â 12Â %$255,875Â $236,087Â $19,788Â 8Â %Percentage of total revenue54Â %47Â %57Â %53Â %Research, Development, and Engineering ExpensesResearch, development, and engineering (RD&E) expenses increased by $1,377,000, or 4%, for the three-month period and remained relatively flat for the six-month period as compared to the same periods in 2023. Higher incentive compensation expenses were offset by lower stock-based compensation expenses for the six-month period due to the impact of forfeiture adjustments in the first quarter. Personnel-related costs remained relatively flat, as the additional costs associated with a new team of optical engineers that joined Cognex with the acquisition of Moritex in the fourth quarter of 2023 were offset by lower deferred compensation costs related to the 2019 acquisition of Sualab Co, Ltd. that were fully paid in October 2023 and cost management activities that included the realignment of headcount to business levels.RD&E expenses as a percentage of revenue were 15% and 16% for the three-month and six-month periods in 2024, respectively, as compared to 14% and 16% for the same periods in 2023. We believe that a continued commitment to RD&E activities is essential to maintain or achieve product leadership with our existing products and to provide innovative new product offerings, as well as to provide engineering support for large customers. In addition, we consider our ability to accelerate the time to market for new products to be critical to our revenue growth and competitive position. These percentages are impacted by revenue levels and investment cycles.Selling, General, and Administrative ExpensesSelling, general, and administrative (SG&A) expenses increased by $9,757,000, or 12%, for the three-month period and increased by $17,348,000, or 10%, for the six-month period as compared to the same periods in 2023. The increase was primarily due to increased costs related to our â€œEmerging Customerâ€ sales initiative, including additional headcount, travel expenses, and marketing costs. We launched this initiative in 2023 to serve a broader customer base and deepen penetration of less served markets, and are continuing to increase our investment in 2024.Costs related to the acquisition of Moritex that closed in the fourth quarter of 2023 also contributed to the higher SG&A expenses. These costs included additional sales and support personnel-related costs, the amortization of acquired customer relationships and trademarks, and integration costs.Lower stock-based compensation expense and cost management activities helped to offset the increase in SG&A expenses, including the realignment of headcount to support the Emerging Customer sales initiative.28Loss (Recovery) from FireOn June 7, 2022, the Companyâ€™s primary contract manufacturer experienced a fire at its plant in Indonesia, destroying a significant amount of Cognex inventories. In the second quarter of 2023, the Company recorded a recovery related to the fire of $2,500,000 for proceeds received from the Companyâ€™s insurance carrier in relation to a business interruption claim.Non-operating Income (Expense)The following table sets forth our non-operating income (expense) (in thousands) for the three-month and six-month periods ended JuneÂ 30, 2024 and JulyÂ 2, 2023.Three-months EndedSix-months EndedJune 30, 2024July 2, 2023$ Change% ChangeJune 30, 2024July 2, 2023$ Change% Change(unaudited)(unaudited)Foreign currency gain (loss)(181)(1,605)$1,424Â (89)%$(135)$(1,211)$1,076Â (89)%Investment income$3,116Â $4,095Â $(979)(24)%$6,236Â $7,682Â $(1,446)(19)%Other income
(expense)$176Â $112Â $64Â 57Â %$372Â $185Â $187Â 101Â %Total non-operating income (expense)$3,111Â $2,602Â $509Â 20Â %$6,473Â $6,656Â $(183)(3)%The Company recorded foreign currency losses of $181,000 and $135,000 for the three-month and six-month periods in 2024, respectively, and $1,605,000 and $1,211,000 for the corresponding periods in 2023, primarily resulting from the revaluation and settlement of assets and liabilities that are denominated in currencies other than the functional currency of the Company, which is the U.S. Dollar, or its subsidiaries. Investment income decreased by $979,000, or 24%, for the three-month period and decreased by $1,446,000, or 19%, for the six-month period in 2024 as compared to the corresponding periods in 2023. The decrease was primarily due to lower average investment balances, partially offset by higher yields on the Company's portfolio of debt securities. During the fourth quarter of 2023, net cash payments related to the acquisition of Moritex reduced cash available to invest by approximately $257 million, which resulted in lower investment income for 2024.The Company recorded other income of $176,000 and $372,000 for the three-month and six-month periods in 2024, respectively, and $112,000 and $185,000 for the corresponding periods in 2023.Income Tax ExpenseThe following table sets forth income tax information (in thousands) for the three-month and six-month periods ended JuneÂ 30, 2024 and JulyÂ 2, 2023.Three-months EndedSix-months EndedJune 30, 2024July 2, 2023$ Change% ChangeJune 30, 2024July 2, 2023$ Change% Change(unaudited)(unaudited)Income before income tax expense$41,568Â $67,777Â $(26,209)(39)%$59,134Â $93,992Â $(34,858)(37)%Income tax expense$5,356Â $10,303Â $(4,947)(48)%$10,900Â $10,903Â $(3)â€”Â %Effective income tax rate13Â %15Â %18Â %12Â %The Companyâ€™s effective tax rate was 13% and 18% for the three-month and six-month periods in 2024, respectively, and 15% and 12% for the same periods in 2023.The Company recorded a net discrete tax benefit of $463,000 for the three-month period in 2024 and a net discrete tax expense of $2,622,000 for the six-month period in 2024, as compared to a net discrete tax expense of $399,000 in the three-month period in 2023 and a net discrete tax benefit of $3,195,000 for the six-month period in 2023. The higher level of discrete tax expense for the six-month period in 2024 was driven by unfavorable adjustments to certain tax assets and reserves, while the higher level of discrete tax benefits for the six-month period in 2023 was driven by the release of tax reserves on state tax credits and favorable adjustments to certain deferred tax assets.Excluding the impact of all discrete tax items, the Company's effective tax rate was 14% for both the three-month and six-month periods in 2024, as compared to 15% for the corresponding periods in 2023. The decrease was primarily due to more of the Company's profits being taxed in relatively lower tax rate jurisdictions.29Liquidity and Capital ResourcesThe Company has historically been able to generate positive cash flow from operations, which has funded its operating activities and other cash requirements and has resulted in an accumulated cash and investment balance of $555,289,000 as of JuneÂ 30, 2024. The Company has established guidelines relative to credit ratings, diversification, and maturities of its investments to maintain the liquidity and safety of the investment portfolio. As of JuneÂ 30, 2024, the Company's portfolio of debt securities was in a net unrealized loss position of $8,127,000. Although the Company typically holds investments in an unrealized loss position until full value recovery at maturity, if the Company is required to sell debt securities to meet liquidity needs, it may sell these investments at a loss. Operating activitiesNet cash provided by operating activities totaled $41,406,000 for the six-month period in 2024. Significant uses of cash consisted of an increase in accounts receivable primarily related to the seasonality of large consumer electronics orders.Investing activitiesNet cash used in investing activities totaled $13,785,000 for the six-month period in 2024. Investing activities included capital expenditures that totaled $8,571,000 and consisted primarily of continued investments in business systems, manufacturing test equipment related to new product introductions, as well as building and leasehold improvements.Financing activitiesNet cash used in financing activities totaled $47,506,000 for the six-month period in 2024. In March 2022, the Company's Board of Directors authorized the repurchase of $500,000,000 of the Company's common stock. Under this March 2022 program, the Company repurchased 473,000 shares at a total cost of $19,879,000 during the six-month period in 2024, leaving a remaining balance of $313,013,000 as of JuneÂ 30, 2024. The Company may repurchase shares under this program in future periods depending on a variety of factors, including, among other things, the impact of dilution from employee stock awards, stock price, share availability, and cash requirements. The Company is authorized to make repurchases of its common stock through open market purchases, pursuant to Rule 10b5-1 trading plans, or in privately negotiated transactions. The Companyâ€™s Board of Directors declared and paid cash dividends of $0.075 per share for the first and second quarters of 2024, totaling $25,756,000. Future dividends will be declared at the discretion of the Company's Board of Directors and will depend on such factors as the Board deems relevant, including, among other things, the Company's ability to generate positive cash flow from operations. Future Cash RequirementsThe Company's future material cash requirements include contractual obligations related to inventory purchase commitments and leases. As of JuneÂ 30, 2024, the Company had inventory purchase commitments of $43,078,000, with the majority payable in the next twelve months, and lease payment obligations of $112,234,000, with $13,364,000 payable in the next twelve months. Other significant and/or expected cash outlays for 2024 are as follows:â€¢We expect to continue to make significant cash outlays related to our Emerging Customer sales initiative as we continue to grow our sales force to serve a broader customer base and deepen penetration of less served markets.â€¢The Tax Cuts and Jobs Act of 2017 subjected unrepatriated foreign earnings to a one-time transition tax. As of June 30, 2024, the Company had a remaining balance payable of $18,338,000 through 2025.We believe that the Company's existing cash and investment balances, together with cash flow from operations, will be sufficient to meet its operating, investing, and financing activities for the next twelve months. In addition, the Company has no long-term debt. We believe that our balance sheet condition currently gives us a strong position with respect to anticipated longer-term liquidity needs.New PronouncementsRefer to Part I - Note 2 within this Form 10-Q, for a full description of recently issued accounting pronouncements including the expected dates of adoption and the expected impact on the financial position and results of operations of the Company. 30ITEMÂ 3: QUANTITATIVE AND QUALITATIVE DISCLOSURES ABOUT MARKET RISKThere have been no material changes to the Companyâ€™s exposures to market risk since DecemberÂ 31, 2023.ITEMÂ 4: CONTROLS AND PROCEDURESAs required by Rules 13a-15 and 15d-15 of the Securities Exchange Act of 1934, the Company has evaluated, with the participation of management, including the Chief Executive Officer and the Chief Financial Officer, the effectiveness of its disclosure controls and procedures (as defined in such rules) as of the end of the period covered by this report. Based on such evaluation, except as described below relating to the acquisition of Moritex Corporation, the Chief Executive Officer and the Chief Financial Officer concluded that such disclosure controls and procedures were effective as of that date.The Company closed the acquisition of Moritex Corporation on October 18, 2023. The new acquisition's total assets and revenues constituted approximately 5% and 7%, respectively, of the Companyâ€™s consolidated total assets and revenues as shown on our consolidated financial statements as of and for the period ended June 30, 2024. As the acquisition occurred during the fourth quarter of 2023, the Company excluded Moritex Corporation from the scope of the assessment of the effectiveness of the Companyâ€™s internal control over financial reporting and, with respect to the portion of disclosure controls and procedures that are subsumed by internal control over financial reporting of Moritex Corporation, the Company's disclosure controls and procedures. This exclusion is in accordance with the general guidance issued by the Staff of the Securities and Exchange Commission that an assessment of a recently-acquired business may be omitted from the scope for the one-year period following the acquisition if specified conditions are satisfied.Except as described above, there have been no changes in the Company's internal control over financial reporting that occurred during the quarter ended JuneÂ 30, 2024 that materially affected, or are reasonably likely to materially affect, the Company's internal control over financial reporting. The Company continues to review its disclosure controls and procedures, including its internal control over financial reporting, and may from time to time make changes aimed at enhancing their effectiveness and to ensure that the Companyâ€™s systems evolve with its business.31PART II: OTHER INFORMATIONITEMÂ 1. LEGAL PROCEEDINGSVarious claims and legal proceedings generally incidental to the normal course of business are pending or threatened on behalf of or against the Company. While we cannot predict the outcome of these matters, we believe that any liability arising from them will not have a material adverse effect on our financial position, liquidity, or results of operations.ITEMÂ 1A. RISK FACTORSFor a list of factors that could affect the Companyâ€™s business, results of operations, and financial condition, see the risk factors discussion provided in Part Iâ€”ItemÂ 1A of the Companyâ€™s Annual Report on Form 10-K for the fiscal year ended DecemberÂ 31, 2023.ITEMÂ 2. UNREGISTERED SALES OF EQUITY SECURITIES AND USE OF PROCEEDSThe following table sets forth information with respect to purchases by the Company of shares of its common stock

during the three-month period ended JuneÂ 30, 2024:TotalNumberof SharesPurchasedAveragePriceÂ Paidper ShareTotalÂ NumberÂ ofSharesPurchased asPart of PubliclyAnnouncedPlans orPrograms (1)ApproximateDollar Valueof Shares thatMay Yet BePurchasedUnder thePlans orPrograms (1)April 1, 2024 - April 28, 202488,000Â $40.69Â 88,000Â $319,986,000Â April 29, 2024 - May 26, 202471,000Â 44.95Â 71,000Â 316,817,000Â May 27, 2024 - June 30, 202483,000Â 45.63Â 83,000Â 313,013,000Â Total242,000Â $43.64Â 242,000Â $313,013,000Â (1) On March 3, 2022, the Company's Board of Directors authorized the repurchase of $500,000,000 of the Company's common stock. Purchases under this program commenced in March 2022. The Company may repurchase shares under this program in future periods depending on a variety of factors, including, among other things, the impact of dilution from employee stock awards, stock price, share availability, and cash requirements. The Company is authorized to make repurchases of its common stock through open market purchases, pursuant to Rule 10b5-1 trading plans, or in privately negotiated transactions.ITEMÂ 3. DEFAULTS UPON SENIOR SECURITIESNone.ITEMÂ 4. MINE SAFETY DISCLOSURESNot applicable.ITEMÂ 5. OTHER INFORMATIONDuring the quarter ended JuneÂ 30, 2024, the following executive officer adopted a Rule 10b5-1 trading arrangement, as defined in Item 408 of Regulation S-K, that is intended to satisfy the affirmative defense conditions of Securities Exchange Act Rule 10b5-1(c):â€¢On June 7, 2024, Carl Gerst, the Executive Vice President of ID and Vision Products of the Company, adopted a trading arrangement for the sale of shares of the Companyâ€™s common stock (a â€œRule 10b5-1 Trading Planâ€). Mr. Gerstâ€™s Rule 10b5-1 Trading Plan, which has a term ending on April 1, 2025, provides for the sale of up to 16,302 shares of common stock pursuant to the terms of the plan. 32During the quarter ended JuneÂ 30, 2024, no 10b5-1 trading arrangements were modified or terminated, and no director or officer of the Company adopted or terminated a â€œnon-Rule 10b5-1 trading arrangement,â€ as defined in Item 408 of Regulation S-K.33Â ITEMÂ 6. EXHIBITSExhibit Number10.1+Relocation Letter Agreement, effective as of April 22, 2024, by and between Cognex Corporation and Dennis Fehr*31.1Certification of Principal Executive Officer pursuant to Rule 13a-14(a)/15d-14(a) under the Securities Exchange Act of 1934*31.2Certification of Principal Financial Officer pursuant to Rule 13a-14(a)/15d-14(a) under the Securities Exchange Act of 1934*32.1Certification of Principal Executive Officer pursuant to 18 U.S.C. 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002**32.2Certification of Principal Financial Officer pursuant to 18 U.S.C. 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002**101.SCHInline XBRL Taxonomy Extension Schema Document*101.CALInline XBRL Taxonomy Extension Calculation Linkbase Document*101.LABInline XBRL Taxonomy Extension Label Linkbase Document*101.PREInline XBRL Taxonomy Extension Presentation Linkbase Document*101.DEFInline XBRL Taxonomy Extension Definition Linkbase Document*104Cover Page Interactive Data File (formatted as Inline XBRL with applicable taxonomy extension information contained in Exhibits 101.*)*Filed herewith**Furnished herewith+Indicates management contract or compensatory plan or arrangement34SIGNATURESPursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned thereunto duly authorized.Â Date:August 1, 2024Â COGNEX CORPORATIONÂ By:/s/ Robert J. WillettÂ Robert J. WillettÂ President and Chief Executive OfficerÂ (Principal Executive Officer)Â By:/s/ Dennis FehrÂ Dennis FehrÂ Senior Vice President of Finance and Chief Financial OfficerÂ (Principal Financial Officer)35 EX-10.1 2 dennisfehr-relocationx10.htm EX-10.1 dennisfehr-relocationx10 Cognex Corporation One Vision Drive Natick, MA 01760-2059 (508) 650-3000 fax (508) 650-3333 www.cognex.com Exhibit 10.1 March 27, 2024 Dennis Fehr [Address] PERSONAL & CONFIDENTIAL Dear Dennis: Congratulations on your new position! All of us on the Cognex management team are excited about the prospect of you joining Cognex Corporation in Natick, Massachusetts. This letter details the terms and conditions applicable to your move from Bethesda, Maryland to Massachusetts. This letter does not create a contract of employment, but simply seeks to confirm the conditions which pertain to your relocation. Your targeted start date is subject to our receipt from you of a signed copy of this letter, and the other contingencies set out in your offer letter. Once finalized, you will be considered an â€œat willâ€ employee of Cognex Corporation. Position: Senior Vice President of Finance Effective Date: April 22, 2024 You will report to: Rob Willett Location: Natick, Massachusetts Relocation Support Aires: We have contracted with Aires: Corporation Relocation Services to provide you with a seamless integration into your new position in Natick, Massachusetts. You will be connected with a dedicated individual from Aires who will be your contact throughout your relocation. Specifically, you will be provided with a relocation allowance of up to USD $60,000 (net) to be put towards the following relocation benefits: â€¢ Home Finding Trip: This will be for you and your spouse and will include an orientation and home search guidance through a destination provider. â€¢ Temporary Lodging: Cognex will reimburse temporary accommodations for a period of up to 90 days for you and your family. â€¢ Shipment of Household Goods: Cognex will assist with the movement of the contents of your current home to the new location. All shipping arrangements are made with and through Aires. â€¢ Final Move Expenses: Cognex will reimburse reasonable expenses incurred in moving your family to the new location using the most direct route according to the company travel policy. Home Sale: Cognex will assist with the selling of your home in your old location up to $75,000 (net of all applicable taxes) inclusive of all realtor and transaction costs. All invoices submitted for your relocation budget must be submitted directly to Aires. Please ensure that anything business related is processed through Concur, and anything relocation related is processed through Aires. Please touch base with Thassia Gunn if you have any questions as to where an expense should fall. Â Cognex Corporation One Vision Drive Natick, MA 01760-2059 (508) 650-3000 fax (508) 650-3333 www.cognex.com Reimbursement In the event you voluntarily terminate your employment with Cognex prior to October 31, 2028, you will be responsible for the reimbursement of all or a portion of the relocation expenses paid by Cognex in accordance with the Repayment Agreement attached as Exhibit A. Further, in the event you voluntarily terminate your employment with Cognex prior to April 22, 2026, you will be responsible for the reimbursement of all or a portion of your $170,000 guaranteed bonus payment in accordance with the Repayment Agreement attached as Exhibit A. Congratulations Dennis! We look forward to you joining the team as we carry on in our quest for greatness in the world of machine vision. Sincerely, /s/ Rob Willett Rob Willett CEO & President Cognex Corporation Please indicate your agreement to this letter, including your agreement to the attached Repayment Agreement, by signing below and returning this letter as soon as possible. /s/ Dennis Fehr _____ Dennis Fehr Â Cognex Corporation One Vision Drive Natick, MA 01760-2059 (508) 650-3000 fax (508) 650-3333 www.cognex.com Exhibit A REPAYMENT AGREEMENT Dennis Fehr [Address] As consideration for the relocation benefits of up to $60,000 which Cognex Corporation (â€œCognexâ€) has agreed to pay me, Dennis Fehr, pursuant to this relocation letter, as well as the 2024 $170,000 guaranteed bonus payment which Cognex has agreed to pay me within 30 days of my start date (the â€œGuaranteed Bonusâ€), I agree that if I voluntarily terminate my employment prior to October 31, 2027, I will reimburse Cognex for 100% of relocation expenses incurred by Cognex. Additionally, I agree that if I voluntarily terminate my employment after October 31, 2027, but prior to October 31, 2028, I will reimburse Cognex for 50% of the relocation expenses incurred by Cognex. Examples of expenses which must be repaid to Cognex include, but are not limited to, temporary housing, house hunting trips, lump sum payments and actual moving expenses. Further, I agree that if I voluntarily terminate my employment within twelve (12) months of April 22, 2024, I will reimburse Cognex for 100% of the Guaranteed Bonus. I also agree that if I voluntarily terminate my employment anytime within twelve to twenty-four (12-24) months from April 22, 2024, I will reimburse Cognex for 50% of the Guaranteed Bonus. Any reimbursement I owe to Cognex pursuant to this paragraph is to be paid as follows: one-half of the amount(s) owed must be paid on my last day of employment; the balance(s) must be paid no later than 60 days after my last day of employment. If Cognex incurs any costs or expenses, including but not limited to attorneysâ€™ fees, in the collection of this debt, I agree to pay the attorneysâ€™ fees and expenses associated with the collection of this debt. In addition, if I am late in making payments or fail to make any payments under this Agreement, Cognex may, in its sole discretion, make all monies owed immediately due and payable. This Repayment Agreement in no way modifies my status as an at-will employee. I understand that this Repayment Agreement is not to be construed and is not a guarantee that I will continue to be employed for any period of time. I further understand that I can be terminated at any time, with or without cause, at the sole discretion of Cognex. Â EX-31.1 3 a6302024-10qxexhibit311.htm EX-31.1 DocumentExhibit 31.1CERTIFICATIONI, Robert J. Willett, certify that:1Â Â Â Â Â I have reviewed this quarterly report on Form 10-Q of Cognex Corporation;2Â 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;3Â 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;4Â Â Â Â Â The registrantâ€™s other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:Â (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 registrantâ€™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 registrantâ€™s internal control over financial reporting that occurred during the registrantâ€™s most recent fiscal quarter (the registrantâ€™s fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrantâ€™s internal control over financial reporting; and5Â Â Â Â The registrantâ€™s other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrantâ€™s auditors and the audit committee of the registrantâ€™s board of directors (or persons performing the equivalent functions):Â (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 registrantâ€™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 registrantâ€™s internal control over financial reporting.Date:August 1, 2024Â By:Â /s/ Robert J. WillettÂ Â Robert J. WillettÂ Â President and Chief Executive Officer(Principal Executive Officer) EX-31.2 4 a6302024-10qxexhibit312.htm EX-31.2 DocumentExhibit 31.2CERTIFICATIONI, Dennis Fehr, certify that:1Â Â Â Â I have reviewed this quarterly report on Form 10-Q of Cognex Corporation;2Â 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;3Â 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;4Â Â Â Â The registrantâ€™s other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:Â (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 registrantâ€™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 registrantâ€™s internal control over financial reporting that occurred during the registrantâ€™s most recent fiscal quarter (the registrantâ€™s fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrantâ€™s internal control over financial reporting; and5Â Â Â Â The registrantâ€™s other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrantâ€™s auditors and the audit committee of the registrantâ€™s board of directors (or persons performing the equivalent functions):Â (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 registrantâ€™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 registrantâ€™s internal control over financial reporting.Date:August 1, 2024Â By:Â /s/ Dennis FehrÂ Â Dennis FehrÂ Â Senior Vice President of Finance and Chief Financial Officer(Principal Financial Officer) EX-32.1 5 a6302024-10qxexhibit321.htm EX-32.1 DocumentExhibit 32.1*CERTIFICATION PURSUANT TO18 U.S.C. 1350,AS ADOPTED PURSUANT TOSECTION 906 OF THE SARBANES-OXLEY ACT OF 2002The undersigned officer of Cognex Corporation (the â€œCompanyâ€) hereby certifies to his knowledge that the Companyâ€™s quarterly report on Form 10-Q for the quarterly period ended JuneÂ 30, 2024 (the â€œReportâ€), as filed with the Securities and Exchange Commission on the date hereof, fully complies with the requirements of SectionÂ 13(a) or 15(d), as applicable, of the Securities Exchange Act of 1934, as amended, and that the information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company.Â Date:August 1, 2024Â By:/s/ Robert J. WillettÂ Robert J. WillettÂ President and Chief Executive OfficerÂ (Principal Executive Officer)Â *This certification shall not be deemed â€œfiledâ€ for purposes of SectionÂ 18 of the Securities Exchange Act of 1934, or otherwise subject to the liability of that section, nor shall it be deemed to be incorporated by reference into any filing under the Securities Act of 1933 or the Securities Exchange Act of 1934. EX-32.2 6 a6302024-10qxexhibit322.htm EX-32.2 DocumentExhibit 32.2*CERTIFICATION PURSUANT TO18 U.S.C. 1350,AS ADOPTED PURSUANT TOSECTION 906 OF THE SARBANES-OXLEY ACT OF 2002The undersigned officer of Cognex Corporation (the â€œCompanyâ€) hereby certifies to his knowledge that the Companyâ€™s quarterly report on Form 10-Q for the quarterly period ended JuneÂ 30, 2024 (the â€œReportâ€), as filed with the Securities and Exchange Commission on the date hereof, fully complies with the requirements of SectionÂ 13(a) or 15(d), as applicable, of the Securities Exchange Act of 1934, as amended, and that the information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company.Â Date:August 1, 2024Â By:/s/ Dennis FehrÂ Dennis FehrÂ Senior Vice President of Finance and Chief Financial OfficerÂ (Principal Financial Officer)Â *This certification shall not be deemed â€œfiledâ€ for purposes of SectionÂ 18 of the Securities Exchange Act of 1934, or otherwise subject to the liability of that section, nor shall it be deemed to be incorporated by reference into any filing under the Securities Act of 1933 or the Securities Exchange Act of 1934. EX-101.SCH 7 cgnx-20240630.xsd XBRL TAXONOMY EXTENSION SCHEMA DOCUMENT 0000001 - Document - Cover Page link:presentationLink link:calculationLink link:definitionLink 9952151 - Statement - Consolidated Statements of Operations link:presentationLink link:calculationLink link:definitionLink 9952152 - Statement - Consolidated Statements of Comprehensive Income (Loss) link:presentationLink link:calculationLink link:definitionLink 9952153 - Statement - Consolidated Statements of Comprehensive Income (Loss) (Parenthetical) link:presentationLink link:calculationLink link:definitionLink 9952154 - Statement - Consolidated Balance Sheets link:presentationLink link:calculationLink link:definitionLink 9952155 - Statement - Consolidated Balance Sheets (Parenthetical) link:presentationLink link:calculationLink link:definitionLink 9952156 - Statement - Consolidated Statements of Cash Flows link:presentationLink link:calculationLink link:definitionLink 9952157 - Statement - Consolidated Statement of Shareholders' Equity link:presentationLink link:calculationLink link:definitionLink 9952158 - Statement - Consolidated Statement of Shareholders' Equity (Parenthetical) link:presentationLink link:calculationLink link:definitionLink 9952159 - Disclosure - Summary of Significant Accounting Policies link:presentationLink link:calculationLink link:definitionLink 9952160 - Disclosure - New Pronouncements link:presentationLink link:calculationLink link:definitionLink 9952161 - Disclosure - Fair Value Measurements link:presentationLink link:calculationLink link:definitionLink 9952162 - Disclosure - Cash, Cash Equivalents, and Investments link:presentationLink link:calculationLink link:definitionLink 9952163 - Disclosure - Inventories link:presentationLink link:calculationLink link:definitionLink 9952164 - Disclosure - Leases link:presentationLink link:calculationLink link:definitionLink 9952165 - Disclosure - Goodwill link:presentationLink link:calculationLink link:definitionLink 9952166 - Disclosure - Intangible Assets link:presentationLink link:calculationLink link:definitionLink 9952167 - Disclosure - Warranty Obligations link:presentationLink link:calculationLink link:definitionLink 9952168 - Disclosure - Commitment and Contingencies link:presentationLink link:calculationLink link:definitionLink 9952169 - Disclosure - Derivative Instruments link:presentationLink link:calculationLink link:definitionLink 9952170 - Disclosure - Revenue Recognition link:presentationLink link:calculationLink link:definitionLink 9952171 - Disclosure - Stock-Based Compensation Expense link:presentationLink link:calculationLink link:definitionLink 9952172 - Disclosure - Stock Repurchase Program link:presentationLink link:calculationLink link:definitionLink 9952173 - Disclosure - Income Taxes link:presentationLink link:calculationLink link:definitionLink 9952174 - Disclosure - Weighted-Average Shares link:presentationLink link:calculationLink link:definitionLink 9952175 - Disclosure - Loss (Recovery) from Fire link:presentationLink link:calculationLink link:definitionLink 9952176 - Disclosure

- Business Combinations link:presentationLink link:calculationLink link:definitionLink 9952177 - Disclosure - Subsequent Events link:presentationLink link:calculationLink link:definitionLink 9954471 - Disclosure - Summary of Significant Accounting Policies (Policies) link:presentationLink link:calculationLink link:definitionLink 9954472 - Disclosure - Fair Value Measurements (Tables) link:presentationLink link:calculationLink link:definitionLink 9954473 - Disclosure - Cash, Cash Equivalents, and Investments (Tables) link:presentationLink link:calculationLink link:definitionLink 9954474 - Disclosure - Inventories (Tables) link:presentationLink link:calculationLink link:definitionLink 9954475 - Disclosure - Leases (Tables) link:presentationLink link:calculationLink link:definitionLink 9954476 - Disclosure - Goodwill (Tables) link:presentationLink link:calculationLink link:definitionLink 9954477 - Disclosure - Intangible Assets (Tables) link:presentationLink link:calculationLink link:definitionLink 9954478 - Disclosure - Warranty Obligations (Tables) link:presentationLink link:calculationLink link:definitionLink 9954479 - Disclosure - Derivative Instruments (Tables) link:presentationLink link:calculationLink link:definitionLink 9954480 - Disclosure - Revenue Recognition (Tables) link:presentationLink link:calculationLink link:definitionLink 9954481 - Disclosure - Stock-Based Compensation Expense (Tables) link:presentationLink link:calculationLink link:definitionLink 9954482 - Disclosure - Weighted-Average Shares (Tables) link:presentationLink link:calculationLink link:definitionLink 9954483 - Disclosure - Business Combinations (Tables) link:presentationLink link:calculationLink link:definitionLink 9954484 - Disclosure - Fair Value Measurements (Details) link:presentationLink link:calculationLink link:definitionLink 9954485 - Disclosure - Cash, Cash Equivalents, and Investments - Components of Cash, Cash Equivalents, and Investments (Details) link:presentationLink link:calculationLink link:definitionLink 9954486 - Disclosure - Cash, Cash Equivalents, and Investments - Narrative (Details) link:presentationLink link:calculationLink link:definitionLink 9954487 - Disclosure - Cash, Cash Equivalents, and Investments - Summary of Available-for-Sale Investments (Details) link:presentationLink link:calculationLink link:definitionLink 9954488 - Disclosure - Cash, Cash Equivalents, and Investments - Gross Unrealized Losses and Fair Values for Available-for-Sale Investments (Details) link:presentationLink link:calculationLink link:definitionLink 9954489 - Disclosure - Cash, Cash Equivalents, and Investments - Gross Realized Gains and Losses on the Sale of Debt Securities (Details) link:presentationLink link:calculationLink link:definitionLink 9954490 - Disclosure - Cash, Cash Equivalents, and Investments - Effective Maturity Dates of Available-for-Sale Investments (Details) link:presentationLink link:calculationLink link:definitionLink 9954491 - Disclosure - Inventories (Details) link:presentationLink link:calculationLink link:definitionLink 9954492 - Disclosure - Leases - Narrative (Details) link:presentationLink link:calculationLink link:definitionLink 9954493 - Disclosure - Leases - Future Minimum Lease Payment Obligations Under Operating Leases (Details) link:presentationLink link:calculationLink link:definitionLink 9954494 - Disclosure - Goodwill (Details) link:presentationLink link:calculationLink link:definitionLink 9954495 - Disclosure - Intangible Assets (Details) link:presentationLink link:calculationLink link:definitionLink 9954495 - Disclosure - Intangible Assets (Details) link:presentationLink link:calculationLink link:definitionLink 9954496 - Disclosure - Warranty Obligations (Detail) link:presentationLink link:calculationLink link:definitionLink 9954497 - Disclosure - Commitment and Contingencies (Details) link:presentationLink link:calculationLink link:definitionLink 9954498 - Disclosure - Derivative Instruments - Narrative (Details) link:presentationLink link:calculationLink link:definitionLink 9954499 - Disclosure - Derivative Instruments - Outstanding Forward Contracts Table (Details) link:presentationLink link:calculationLink link:definitionLink 9954500 - Disclosure - Derivative Instruments - Schedule of Derivative Instruments in Statement of Financial Position, Fair Value (Details) link:presentationLink link:calculationLink link:definitionLink 9954501 - Disclosure - Derivative Instruments - Offsetting Assets (Details) link:presentationLink link:calculationLink link:definitionLink 9954502 - Disclosure - Derivative Instruments - Derivative Instruments, Gain (Loss) (Details) link:presentationLink link:calculationLink link:definitionLink 9954503 - Disclosure - Revenue Recognition - Revenue Disaggregated by Geography (Details) link:presentationLink link:calculationLink link:definitionLink 9954504 - Disclosure - Revenue Recognition - Revenue Disaggregated by Products and Services (Details) link:presentationLink link:calculationLink link:definitionLink 9954505 - Disclosure - Revenue Recognition - Additional Information (Details) link:presentationLink link:calculationLink link:definitionLink 9954506 - Disclosure - Revenue Recognition - Schedule of Allowance for Credit Loss (Details) link:presentationLink link:calculationLink link:definitionLink 9954507 - Disclosure - Revenue Recognition - Deferred Revenue Activity (Details) link:presentationLink link:calculationLink link:definitionLink 9954508 - Disclosure - Stock-Based Compensation Expense - Narrative (Details) link:presentationLink link:calculationLink link:definitionLink 9954509 - Disclosure - Stock-Based Compensation Expense - Summary of Stock Option Activity (Details) link:presentationLink link:calculationLink link:definitionLink 9954510 - Disclosure - Stock-Based Compensation Expense - Weighted-Average Assumptions Used in Estimating Fair Values of Stock Options Granted (Details) link:presentationLink link:calculationLink link:definitionLink 9954511 - Disclosure - Stock-Based Compensation Expense - Schedule of Restricted Stock Units (Details) link:presentationLink link:calculationLink link:definitionLink 9954512 - Disclosure - Stock-Based Compensation Expense - Schedule of Performance Restricted Stock Units (Details) link:presentationLink link:calculationLink link:definitionLink 9954513 - Disclosure - Stock-Based Compensation Expense - Schedule of Employee Service Share-based Compensation, Allocation of Recognized Period Costs (Details) link:presentationLink link:calculationLink link:definitionLink 9954514 - Disclosure - Stock Repurchase Program (Details) link:presentationLink link:calculationLink link:definitionLink 9954515 - Disclosure - Income Taxes (Details) link:presentationLink link:calculationLink link:definitionLink 9954516 - Disclosure - Weighted-Average Shares - Calculation of Weighted-Average Shares (Details) link:presentationLink link:calculationLink link:definitionLink 9954517 - Disclosure - Weighted-Average Shares - Narrative (Details) link:presentationLink link:calculationLink link:definitionLink 9954518 - Disclosure - Loss (Recovery) from Fire (Details) link:presentationLink link:calculationLink link:definitionLink 9954519 - Disclosure - Business Combinations (Details) link:presentationLink link:calculationLink link:definitionLink 9954520 - Disclosure - Subsequent Events (Details) link:presentationLink link:calculationLink link:definitionLink EX-101.CAL 8 cgnx-20240630_cal.xml XBRL TAXONOMY EXTENSION CALCULATION LINKBASE DOCUMENT EX-101.DEF 9 cgnx-20240630_def.xml XBRL TAXONOMY EXTENSION DEFINITION LINKBASE DOCUMENT EX-101.LAB 10 cgnx-20240630_lab.xml XBRL TAXONOMY EXTENSION LABEL LINKBASE DOCUMENT Unusual or Infrequent Item, or Both [Table] Unusual or Infrequent Item, or Both [Table] Options vested or expected to vest (in years) Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Vested and Expected to Vest, Outstanding, Weighted Average Remaining Contractual Term Adjustments to reconcile net income to net cash provided by (used in) operating activities: Adjustments to Reconcile Net Income (Loss) to Cash Provided by (Used in) Operating Activities [Abstract] Statistical Measurement [Domain] Statistical Measurement [Domain] Remaining authorized repurchase amount Share Repurchase Program, Remaining Authorized, Amount Finite-Lived Intangible Assets, Net, Amortization Expense, Fiscal Year Maturity [Abstract] Finite-Lived Intangible Assets, Net, Amortization Expense, Fiscal Year Maturity [Abstract] Gross Unrealized Losses Debt Securities, Available-for-Sale, Accumulated Gross Unrealized Loss, before Tax Derivatives, Fair Value [Line Items] Derivatives, Fair Value [Line Items] Cover [Abstract] Cover [Abstract] Thereafter Lessee, Operating Lease, Liability, to be Paid, after Year Five Net change in cash and cash equivalents Cash, Cash Equivalents, Restricted Cash, and Restricted Cash Equivalents, Period Increase (Decrease), Including Exchange Rate Effect Lessee, Operating Lease, Liability, Maturity Lessee, Operating Lease, Liability, to be Paid, Maturity [Table Text Block] Income Tax Authority [Domain] Income Tax Jurisdiction [Domain] Mexican Peso Mexico, Pesos Sovereign bonds Sovereign Debt [Member] Trading Symbol Trading Symbol All Trading Arrangements All Trading Arrangements [Member] Schedule of Cash and Cash Equivalents [Table] Cash and Cash Equivalent [Table] Compensation Actually Paid vs. Net Income Compensation Actually Paid vs. Net Income [Text Block] Gross amounts of recognized assets Derivative Asset, Subject to Master Netting Arrangement, before Offset Non-NEOs Non-NEOs [Member] Tax benefit from compensation expense Share-Based Payment Arrangement, Expense, Tax Benefit Vesting period for stock option plans Share-Based Compensation Arrangement by Share-Based Payment Award, Award Vesting Period Rule 10b5-1 Arrangement Adopted Rule 10b5-1 Arrangement Adopted [Flag] Dividends (in dollars per share) Common Stock, Dividends, Per Share, Declared Awards Close in Time to MNPI Disclosures Awards Close in Time to MNPI Disclosures [Table] Derivative [Line Items] Derivative [Line Items] Japanese Yen Japan, Yen Payment of dividends Dividends, Cash Allowance for credit losses, current Accounts Receivable, Allowance for Credit Loss, Current Rentable area Net Rentable Area Pay vs Performance Disclosure [Line Items] Peer Group Total Shareholder Return Amount Peer Group Total Shareholder Return Amount Accounts receivable Increase (Decrease) in Accounts Receivable Derivative [Table] Derivative [Table] Income Tax Contingency [Table] Income Tax Contingency [Table] Non-Rule 10b5-1 Arrangement Adopted Non-Rule 10b5-1 Arrangement Adopted [Flag] Proceeds from Stock Options Exercised Proceeds from Stock Options Exercised Schedule of Derivative Instruments in Statement of Financial Position, Fair Value Schedule of Derivative Instruments in Statement of Financial Position, Fair Value [Table Text Block] Fair Value Measurements Fair Value Disclosures [Text Block] Business Combination, Enterprise Value Business Combination, Enterprise Value Business Combination, Enterprise Value Net unrealized gain (loss) on available-for-sale investments, net of tax OCI, Debt Securities, Available-for-Sale, Unrealized Holding Gain (Loss), before Adjustment, after Tax Award Timing Disclosures [Line Items] Other Increase (Decrease) in Other Operating Assets and Liabilities, Net Gains (losses) recognized in current operations Derivative, Gain (Loss) on Derivative, Net Other Performance Measure, Amount Other Performance Measure, Amount 2027 Finite-Lived Intangible Asset, Expected Amortization, Year Three Schedule of Nonvested Restricted Stock Units Activity Schedule of Nonvested Restricted Stock Units Activity [Table Text Block] Leases Lessee, Operating Leases [Text Block] Common stock, shares outstanding (in shares) Common Stock, Shares, Outstanding Allowance for credit losses Debt Securities, Available-for-Sale, Allowance for Credit Loss, Current Operating lease, cost Operating Lease, Cost Decrease in tax expense arising from tax settlement Effective Income Tax Rate Reconciliation, Tax Settlement, Amount Shares available for grant under stock option plans (in shares) Share-Based Compensation Arrangement by Share-Based Payment Award, Number of Shares Available for Grant Non-current operating lease liabilities Operating Lease, Liability, Noncurrent Accrued interest receivable Interest Receivable Other Asia Asia, Excluding China [Member] Asia, Excluding China [Member] Gross realized losses Debt Securities, Available-for-Sale, Realized Loss Revenue from Contract with Customer [Abstract] Revenue from Contract with Customer [Abstract] Deferred revenue and customer deposits Contract with Customer, Liability, Current Plan Name [Domain] Plan Name [Domain] Effect of dilutive equity awards (in shares) Weighted Average Number of Shares Outstanding, Diluted, Adjustment Other assets Other Assets, Noncurrent Entity Tax Identification Number Entity Tax Identification Number Leases [Abstract] Leases [Abstract] Gross Carrying Value Finite-Lived Intangible Assets, Gross Schedule of Finite-Lived Intangible Assets [Table] Intangible Asset, Finite-Lived [Table] Shares repurchased (in shares) Treasury Stock, Shares, Acquired Antidilutive Securities, Name [Domain] Antidilutive Securities, Name [Domain] Gross amounts offset Derivative Liability, Subject to Master Netting Arrangement, Collateral, Right to Reclaim Cash Offset Money market instruments Money Market Funds [Member] Corporate bonds Corporate Bond Securities [Member] Fair value adjustment on acquired inventories (Note 18) Fair Value Adjustment on Acquired Inventories Fair Value Adjustment on Acquired Inventories Net cash provided by (used in) operating activities Net Cash Provided by (Used in) Operating Activities Cash flows from operating activities: Net Cash Provided by (Used in) Operating Activities [Abstract] Treasury notes US Treasury Securities [Member] 2023 Plan Cognex Corporation 2023 Stock Option And Incentive Plan [Member] Cognex Corporation 2023 Stock Option And Incentive Plan Plan Name [Axis] Plan Name [Axis] Equity Components [Axis] Equity Components [Axis] Movement in Deferred Revenue [Roll Forward] Movement in Deferred Revenue [Roll Forward] Employee Service Share-based Compensation, Allocation of Recognized Period Costs [Line Items] Share-Based Payment Arrangement, Expensed and Capitalized, Amount [Line Items] Award Timing Method Award Timing Method [Text Block] Trading Arrangements, by Individual Trading Arrangements, by Individual [Table] Financial assets at fair value FairÂ Value Total Debt Securities, Available-for-Sale Measurement Frequency [Axis] Measurement Frequency [Axis] Entity Common Stock, Shares Outstanding Entity Common Stock, Shares Outstanding Outstanding forward contracts Derivative Asset, Notional Amount Insider Trading Policies and Procedures [Line Items] Gross amounts offset Derivative Asset, Subject to Master Netting Arrangement, Collateral, Obligation to Return Cash, Offset Against Derivative Asset Business Acquisition, Acquiree [Domain] Business Acquisition, Acquiree [Domain] Liability for uncertain tax positions Liability For Uncertain Tax Positions Liability for uncertain tax positions, total. Adjustment to Compensation, Amount Adjustment to Compensation Amount Outstanding Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Outstanding, Intrinsic Value Additional paid-in capital Additional Paid in Capital, Common Stock Compensation Amount Outstanding Recovery Compensation Amount Outstanding purchase orders Purchase Commitment, Remaining Minimum Amount Committed Net income per weighted-average common and common-equivalent share: Earnings Per Share, Diluted [Abstract] 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] Net change related to available-for-sale investments Other Comprehensive Income (Loss), Available-for-Sale Securities Adjustment, Net of Tax, Portion Attributable to Parent Entity Small Business Entity Small Business Completed technologies Developed Technology Rights [Member] Company Selected Measure Amount Company Selected Measure Amount Geographical [Axis] Geographical [Axis] Tabular List, Table Tabular List [Table Text Block] 2029 Lessee, Operating Lease, Liability, to be Paid, Year Five Unobservable Inputs (Level 3) Fair Value, Inputs, Level 3 [Member] Share-based Compensation Arrangement by Share-based Payment Award [Line Items] Share-Based Compensation Arrangement by Share-Based Payment Award [Line Items] Repurchase 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] Economic hedge forward contracts Foreign Currency Contract, Asset, Fair Value Disclosure Schedule of Allowance for Credit Loss Activity Accounts Receivable, Allowance for Credit Loss [Table Text Block] Lessee, Lease, Description [Line Items] Lessee, Lease, Description [Line Items] Debt Securities, Available-for-sale Debt Securities, Available-for-Sale [Line Items] Accrued expenses Accrued Liabilities, Current Anti-dilutive securities excluded from computation of earnings per share (shares) Antidilutive Securities Excluded from Computation of Earnings Per Share, Amount Total fair value Debt Securities, Available-for-Sale, Unrealized Loss Position Cash and cash equivalents at beginning of period Cash and cash equivalents at end of period Cash, Cash Equivalents, Restricted Cash, and Restricted Cash Equivalents Carl Gerst, Rule Trading Arrangement, Common Stock Sale [Member] Carl Gerst, Rule Trading Arrangement, Common Stock Sale Foreign exchange rate changes Accounts Receivable, Allowance For Credit Loss, Foreign Exchange Rate Increase (Decrease) Accounts Receivable, Allowance For Credit Loss, Foreign Exchange Rate Increase (Decrease) Amortization of discounts or premiums on investments Accretion (Amortization) of Discounts and Premiums, Investments Unrecognized compensation expense Share-Based Payment Arrangement, Nonvested Award, Cost Not yet Recognized, Amount Current assets: Assets, Current [Abstract] Goodwill Balance as of December 31, 2023 Balance as of June 30, 2024 Goodwill Balance as of December 31, 2023 Balance as of June 30, 2024 Accounts Receivable, Allowance for Credit Loss Payment, Tax Withholding, Share-Based Payment Arrangement Payment, Tax Withholding, Share-Based Payment Arrangement Available-for-sale investments: Other Comprehensive Income (Loss), Net of Tax [Abstract] Stock repurchase program, authorized amount Share Repurchase Program, Authorized, Amount Inventories Inventory Disclosure [Text Block] Fulfillment of warranty obligations Standard and Extended Product Warranty Accrual, Decrease for Payments Forgone Recovery due to Disqualification of Tax Benefits, Amount Forgone Recovery due to Disqualification of Tax Benefits, Amount Product and Service [Domain] Product and Service [Domain] Employee Stock Option Share-Based Payment Arrangement, Option [Member] 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 Goodwill [Roll Forward] Goodwill [Roll Forward] Fair Value Disclosures [Abstract] Fair Value Disclosures [Abstract] Depreciation of property, plant, and equipment Depreciation 2025 Lessee, Operating Lease, Liability, to be Paid, Year One Total comprehensive income (loss) Comprehensive Income (Loss), Net of Tax, Attributable to Parent Accrued income taxes Accrued Income Taxes, Current Preferred stock shares outstanding (in shares) Preferred Stock, Shares Outstanding Security Exchange Name Security Exchange Name Effective Maturity Dates of Available-for-Sale Investments Investments Classified by Contractual Maturity Date [Table Text Block] Award Type [Axis] Award Type [Axis] Foreign exchange rate changes Goodwill, Foreign Currency Translation Gain (Loss) Exercised (in dollars per shares) Share-Based Compensation Arrangements by Share-Based Payment Award, Options, Exercises in Period, Weighted Average Exercise Price Shares (in thousands) Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Nonvested, Number of Shares [Roll Forward] Work-in-process Inventory, Work in Process, Net of Reserves Property, plant, and equipment, net Property, Plant and Equipment, Net Stock-based compensation expense Stock or Unit Option Plan Expense Total liabilities Liabilities Cash dividends per common share (usd per share) Common Stock, Dividends, Per Share, Cash Paid Exercisable as of reporting date (in dollars per shares) Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Exercisable, Weighted Average Exercise Price Economic hedge forward contracts Foreign Currency Contracts, Liability, Fair Value Disclosure Other comprehensive income (loss), net of tax: Comprehensive Income (Loss), Net of Tax, Attributable to Parent [Abstract] Common stock par value (in dollars per share) Common Stock, Par or Stated Value Per Share Forgone Recovery, Explanation of Impracticability Forgone Recovery, Explanation of Impracticability [Text Block] Research, development, and engineering expenses Research and Development Expense Schedule of Share-based Compensation Arrangements by Share-based Payment Award [Table] Schedule of Share-Based Compensation Arrangements by Share-Based Payment Award [Table] Net realized gains (losses) Realized Investment Gains (Losses) Expiration Date Trading Arrangement Expiration Date Total fair values of stock options vest Share Based Compensation Arrangement By Share Based Payment Award Options Vested Fair Value Share based compensation arrangement by share based payment award

options vested fair value. Cash flows from investing activities: Net Cash Provided by (Used in) Investing Activities [Abstract] Standard Product Warranty Accrual, Foreign Currency Translation Gain (Loss) Standard Product Warranty Accrual, Foreign Currency Translation Gain (Loss) Goodwill and Intangible Assets Disclosure [Abstract] Goodwill and Intangible Assets Disclosure [Abstract] Operating lease liabilities Operating Lease, Liability, Current Total Shareholder Return Amount Total Shareholder Return Amount Excess and obsolete inventory charges Excess and Obsolete Inventory Charges Excess and Obsolete Inventory Charges Common stock, shares issued (in shares) Beginning Balance (in shares) Ending Balance (in shares) Common Stock, Shares, Issued Equity Awards Adjustments, Footnote Equity Awards Adjustments, Footnote [Text Block] Canadian Dollar Canada, Dollars Unrecognized tax benefits, gross, offset to tax attributes Unrecognized Tax Benefits, Gross, Offset to Tax Attributes Unrecognized Tax Benefits, Gross, Offset to Tax Attributes Gross realized gains Debt Securities, Available-for-Sale, Realized Gain Total unrealized Losses Debt Securities, Available-for-Sale, Unrealized Loss Position, Accumulated Loss Tax expense related to other tax matters Effective Income Tax Rate Reconciliation, Other Reconciling Items, Amount Derivative liability Net amount of liabilities presented Derivative Liability Insider Trading Policies and Procedures Adopted Insider Trading Policies and Procedures Adopted [Flag] Subsequent Event [Line Items] Subsequent Event [Line Items] Exercised (in shares) Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Exercises in Period Named Executive Officers, Footnote Named Executive Officers, Footnote [Text Block] Research, development, and engineering Research and Development Expense [Member] Weighted- Average Exercise Price Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Outstanding, Weighted Average Exercise Price [Abstract] Europe Europe [Member] Common stock shares authorized (in shares) Common Stock, Shares Authorized Net payments related to business acquisitions (Note 18) Payments to Acquire Businesses, Net of Cash Acquired Cash Cash [Member] Diluted (shares) Weighted-average common and common-equivalent shares outstanding (in shares) Weighted Average Number of Shares Outstanding, Diluted MNPI Disclosure Timed for Compensation Value MNPI Disclosure Timed for Compensation Value [Flag] Remainder of fiscal 2024 Finite-Lived Intangible Asset, Expected Amortization, Remainder of Fiscal Year Customer relationships Customer Contracts And Relationships [Member] Customer Contracts And Relationships [Member] 88,000 square-foot premises 88,000 Square-Foot Premises [Member] 88,000 Square-Foot Premises Total shareholdersâ€™ equity Beginning Balance Ending Balance Equity, Attributable to Parent less than 1 year Debt Securities, Available-for-Sale, Fair Value, Maturity, Allocated and Single Maturity Date, Year One Cash and Cash Equivalents [Line Items] Cash and Cash Equivalents [Line Items] Hedging Designation [Domain] Hedging Designation [Domain] Balance Sheet Location [Axis] Statement of Financial Position Location, Balance [Axis] Schedule of Goodwill Schedule of Goodwill [Table Text Block] Selling, general, and administrative expenses Selling, General and Administrative Expense Share-Based Payment Arrangement, Exercise of Option, Tax Benefit Share-Based Payment Arrangement, Exercise of Option, Tax Benefit Other comprehensive income (loss), net of tax Other Comprehensive Income (Loss), Net of Tax, Portion Attributable to Parent Income Tax Contingency [Line Items] Income Tax Contingency [Line Items] Recurring Fair Value, Recurring [Member] Accounts receivable, allowance for credit losses of $665 and $583 in 2024 and 2023, respectively Accounts Receivable, after Allowance for Credit Loss, Current Hungarian Forint Hungary, Forint Fair value, 12 months or greater Debt Securities, Available-for-Sale, Continuous Unrealized Loss Position, 12 Months or Longer Shares auhtorised for grant under stock option plans (in shares) Share-Based Compensation Arrangement by Share-Based Payment Award, Number of Shares Authorized Pension Adjustments Prior Service Cost Pension Adjustments Prior Service Cost [Member] Document Fiscal Period Focus Document Fiscal Period Focus All Executive Categories All Executive Categories [Member] Groups within the employee population Number Of Groups Within Employee Population Number of groups within employee population. 2-3 Years Available For Sale Securities Debt Maturities After Two Years Before Three Years Fair Value Available-for-sale securities, debt maturities after second year but before third year, fair value. Balance Sheet Location [Domain] Statement of Financial Position Location, Balance [Domain] 2026 Finite-Lived Intangible Asset, Expected Amortization, Year Two Changed Peer Group, Footnote Changed Peer Group, Footnote [Text Block] Outstanding (in years) Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Outstanding, Weighted Average Remaining Contractual Term ASSETS Assets [Abstract] Expected dividend yield Share-Based Compensation Arrangement by Share-Based Payment Award, Fair Value Assumptions, Expected Dividend Rate Document Type Document Type Application-specific customer solutions Application-Specific Customer Solutions [Member] Application-Specific Customer Solutions [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] Exercisable (in years) Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Exercisable, Weighted Average Remaining Contractual Term Vested (in shares) Vested (in shares) Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Vested in Period Amortized Cost Debt Securities, Available-for-Sale, Amortized Cost Schedule of Intangible Assets, Future Amortization Expense Schedule of Finite-Lived Intangible Assets, Future Amortization Expense [Table Text Block] Risk-free rate Share-Based Compensation Arrangement by Share-Based Payment Award, Fair Value Assumptions, Risk Free Interest Rate Subsequent Event [Table] Subsequent Event [Table] Maximum Maximum [Member] Amortization of intangible assets Amortization of Intangible Assets Preferred stock, $.01 par value â€“ Authorized: 400 shares in 2024 and 2023, respectively; no shares issued and outstanding Preferred Stock, Value, Outstanding Equity Valuation Assumption Difference, Footnote Equity Valuation Assumption Difference, Footnote [Text Block] Increase in tax expense, tax reserves Effective Income Tax Rate Reconciliation, Tax Contingency, Amount Intangible assets, net Net Carrying Value Finite-Lived Intangible Assets, Net Antidilutive Securities [Axis] Antidilutive Securities [Axis] Non-current assets Non-current Assets [Member] Non-current Assets Accounts payable Accounts Payable, Current Chinese Renminbi China, Yuan Renminbi Accounting Policies [Abstract] Accounting Policies [Abstract] Weighted-Average Assumptions Used in Estimating Fair Values of Stock Options Granted Schedule of Share-Based Payment Award, Stock Options, Valuation Assumptions [Table Text Block] Costs to fulfill contract Capitalized Contract Cost, Gross Business Combinations Business Combination Disclosure [Text Block] Current Fiscal Year End Date Current Fiscal Year End Date Lease, cost Lease, Cost Statistical Measurement [Axis] Statistical Measurement [Axis] PEO Name PEO Name Non-Rule 10b5-1 Arrangement Terminated Non-Rule 10b5-1 Arrangement Terminated [Flag] Carl Gerst [Member] Carl Gerst Income before income tax expense Income (Loss) from Continuing Operations before Income Taxes, Noncontrolling Interest Net issuance of common stock under stock plans (in shares) Share-Based Compensation Arrangement by Share-Based Payment Award, Shares Issued in Period Non-PEO NEO Average Total Compensation Amount Non-PEO NEO Average Total Compensation Amount Estimated forfeiture rate for unvested options for CEO Estimated Forfeiture Rate for Unvested Options for CEO Estimated Forfeiture Rate for Unvested Options for CEO Award Type [Domain] Award Type [Domain] Name Outstanding Recovery, Individual Name Unusual or Infrequent Item, or Both [Line Items] Unusual or Infrequent Item, or Both [Line Items] Disaggregation of Revenue [Line Items] Disaggregation of Revenue [Line Items] Compensation Actually Paid vs. Company Selected Measure Compensation Actually Paid vs. Company Selected Measure [Text Block] Money market instruments Money Market Funds, at Carrying Value Deferred income taxes Deferred Income Tax Assets, Net Non-PEO NEO Non-PEO NEO [Member] Additional Paid-in Capital Additional Paid-in Capital [Member] Award Timing Predetermined Award Timing Predetermined [Flag] Goodwill Goodwill Disclosure [Text Block] Subsequent Event Type [Domain] Subsequent Event Type [Domain] Payment of dividends Payments of Ordinary Dividends, Common Stock Amortized cost of current investments Debt Securities, Available-for-Sale, Amortized Cost, Current Tax expense related to return-to-provision adjustments Effective Income Tax Rate Reconciliation, Other Adjustments, Amount Singapore Dollar Singapore, Dollars New Pronouncements New Accounting Pronouncements, Policy [Policy Text Block] Unbilled revenue Unbilled Receivables, Current Diluted (usd per share) Earnings Per Share, Diluted Finite-Lived Intangible Assets by Major Class [Axis] Finite-Lived Intangible Assets by Major Class [Axis] Accumulated Amortization Finite-Lived Intangible Assets, Accumulated Amortization Calculation of Weighted-Average Shares Schedule of Weighted Average Number of Shares [Table Text Block] Name Measure Name Entity Interactive Data Current Entity Interactive Data Current Tax years open to examination by various taxing authorities for other entities Income Tax Examination Years Under Examination Other Entities The tax year(s) being audited in connection with the income tax examination for other entities. Schedule of Nonvested Performance-based Units Activity Schedule of Nonvested Performance-Based Units Activity [Table Text Block] Unbilled revenue Increase (Decrease) in Contract with Customer, Liability Restatement does not require Recovery Restatement Does Not Require Recovery [Text Block] Swiss Franc Switzerland, Francs Preferred stock shares issued (in shares) Preferred Stock, Shares Issued Foreign currency gain (loss) Gain (Loss), Foreign Currency Transaction, before Tax 3-4 Years Available For Sale Securities Debt Maturities After Three Years Before Four Years Fair Value Available-for-sale securities, debt maturities after third year but before fourth year, fair value. 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] Disaggregation of Revenue [Table] Disaggregation of Revenue [Table] Statement of Financial Position [Abstract] Statement of Financial Position [Abstract] Greater China CHINA Treasury bills US Treasury Bill Securities [Member] 5-8 Years Available For Sale Securities Debt Maturities After Five Years Available For Sale Securities Debt Maturities After Five Years Asset-backed securities Asset-Backed Securities [Member] Standard products and services Standard Products and Services [Member] Standard Products and Services [Member] Income tax expense Income Tax Expense (Benefit) Current investments, amortized cost of $114,177 and $132,799 in 2024 and 2023, respectively, allowance for credit losses of $0 in 2024 and 2023 Current investments Debt Securities, Available-for-Sale, Current Derivative asset Net amount of assets presented Derivative Asset Forfeited or expired (in shares) Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Forfeitures and Expirations in Period Accounts Receivable, Allowance for Credit Loss [Roll Forward] Accounts Receivable, Allowance for Credit Loss [Roll Forward] Stock-Based Compensation Expense Shareholders' Equity and Share-Based Payments [Text Block] Weighted average period to be recognized Employee Service Share-based Compensation, Nonvested Awards, Compensation Not yet Recognized, Period for Recognition Employee Service Share-based Compensation, Nonvested Awards, Compensation Not yet Recognized, Period for Recognition Revenue Revenue from Contract with Customer, Excluding Assessed Tax Derivative Instruments, Gain (Loss) Derivative Instruments, Gain (Loss) [Table Text Block] Statement of Comprehensive Income [Abstract] Statement of Comprehensive Income [Abstract] Effective tax rate Effective Income Tax Rate Reconciliation, Percent Net cash provided by (used in) investing activities Net Cash Provided by (Used in) Investing Activities Operating income Operating Income (Loss) Business Acquisition [Line Items] Business Acquisition [Line Items] Income Tax Authority [Axis] Income Tax Jurisdiction [Axis] Additional shares available for grant under stock option plans (in shares) Share-Based Compensation Arrangement by Share-Based Payment Award, Number of Additional Shares Authorized Change in tax expense related to valuation allowance Effective Income Tax Rate Reconciliation, Change in Deferred Tax Assets Valuation Allowance, Amount Total liabilities and shareholders' equity Liabilities and Equity Subsequent Events Subsequent Events [Text Block] All Adjustments to Compensation All Adjustments to Compensation [Member] Rule 10b5-1 Arrangement Terminated Rule 10b5-1 Arrangement Terminated [Flag] Fair Value Hierarchy and NAV [Axis] Fair Value Hierarchy and NAV [Axis] Prepaid expenses and other current assets Increase (Decrease) in Prepaid Expense and Other Assets Hedging Designation [Axis] Hedging Designation [Axis] Derivative Instruments Derivative Instruments and Hedging Activities Disclosure [Text Block] Derivative Instruments, Gain (Loss) [Table] Derivative Instruments, Gain (Loss) [Table] Commitments and Contingencies Disclosure [Abstract] Commitments and Contingencies Disclosure [Abstract] Finite-Lived Intangible Assets, Major Class Name [Domain] Finite-Lived Intangible Assets, Major Class Name [Domain] Estimated annual forfeiture rate for unvested options for senior management Estimated Forfeiture Rate For Unvested Options For Senior Management Estimated forfeiture rate for unvested options for senior management. Underlying Security Market Price Change Underlying Security Market Price Change, Percent Individual: Individual [Axis] Common stock, $.002 par value â€“ Authorized: 300,000 shares in 2024 and 2023, respectively; issued and outstanding: 171,501 and 171,599 shares in 2024 and 2023, respectively Common Stock, Value, Outstanding Accumulated Other Comprehensive Loss AOCI Attributable to Parent [Member] Selling, general, and administrative Selling General And Administrative [Member] Selling, general, and administrative. Expected term (in years) Share-Based Compensation Arrangement by Share-Based Payment Award, Fair Value Assumptions, Expected Term Inventories Inventories Inventory, Net Product and Service [Axis] Product and Service [Axis] Total Cash Cash Equivalents Short Term And Long Term Investments Cash, cash equivalents, short term and long term investments. Entity Address, State or Province Entity Address, State or Province Statement [Line Items] Statement [Line Items] Derivative Instruments and Hedging Activities Disclosure [Abstract] Derivative Instruments and Hedging Activities Disclosure [Abstract] Allowance for credit losses, non-current Debt Securities, Available-for-Sale, Allowance for Credit Loss, Noncurrent Erroneous Compensation Analysis Erroneous Compensation Analysis [Text Block] Equity, Class of Treasury Stock [Line Items] Equity, Class of Treasury Stock [Line Items] Compensation Actually Paid vs. Total Shareholder Return Compensation Actually Paid vs. Total Shareholder Return [Text Block] Financial Instruments [Domain] Financial Instruments [Domain] Business Combination, Consideration Transferred Business Combination, Consideration Transferred Nonvested as of beginning of period (in dollars per share) Nonvested as of 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 SHAREHOLDERSâ€™ EQUITY Liabilities and Equity [Abstract] Minimum Minimum [Member] Restatement Determination Date Restatement Determination Date Long-term investments Debt Securities, Available-for-Sale, Noncurrent Pay vs Performance Disclosure Pay vs Performance Disclosure [Table] Adoption Date Trading Arrangement Adoption Date Summary of Available-for-Sale Investments Schedule of Available-for-Sale Securities Reconciliation [Table Text Block] Outstanding (in dollars per shares) Outstanding (in dollars per shares) Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Outstanding, Weighted Average Exercise Price Operating lease assets Operating Lease, Right-of-Use Asset Erroneously Awarded Compensation Recovery Erroneously Awarded Compensation Recovery [Table] Derivative Instruments, Gain (Loss) [Line Items] Derivative Instruments, Gain (Loss) [Line Items] Outstanding (in shares) Outstanding (in shares) Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Outstanding, Number Increases to the allowance for credit losses Accounts Receivable, Credit Loss Expense (Reversal) Currency [Axis] Currency [Axis] 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] Statutory tax rate Effective Income Tax Rate Reconciliation, at Federal Statutory Income Tax Rate, Percent Exercise Price Award Exercise Price Weighted-Average Shares Earnings Per Share [Text Block] Arrangement Duration Trading Arrangement Duration Subsequent Event Subsequent Event [Member] Net issuance of common stock under stock plans Stock Issued During Period, Value, Stock Options Exercised Shareholdersâ€™ equity: Equity, Attributable to Parent [Abstract] Granted (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 Fair value, less than 12 months Debt Securities, Available-for-Sale, Continuous Unrealized Loss Position, Less than 12 Months Aggregate Intrinsic Value (inÂ thousands) Share Based Compensation Arrangement By Share Based Payment Award Options Additional Disclosures1 [Abstract] ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsAdditionalDisclosures1 [Abstract] Domestic Tax Authority Domestic Tax Jurisdiction [Member] Non-current investments, amortized cost of $272,613 and $250,790 in 2024 and 2023, respectively, allowance for credit losses of $0 in 2024 and 2023 Non-current investments Long-Term Investments Outstanding Forward Contracts Table Outstanding Forward Contracts [Table Text Block] Outstanding forward contracts table. Peer Group Issuers, Footnote Peer Group Issuers, Footnote [Text Block] Material Terms of Trading Arrangement Material Terms of Trading Arrangement [Text Block] Estimated annual forfeiture rate for unvested options for all other employees Estimated Forfeiture Rate For Unvested Options For All Non Senior Management Estimated forfeiture rate for unvested options for all non-senior management. 2028 Finite-Lived Intangible Asset, Expected Amortization, Year Four 1-2 Years Available For Sale Securities Debt Maturities After One Year Before Two Years Fair Value This item represents the fair value of debt securities which are expected to mature within one year of the balance sheet date and which are categorized neither as held-to-maturity nor trading securities. All Individuals All Individuals [Member] PEO PEO [Member] Income Tax Disclosure [Abstract] Income Tax Disclosure [Abstract] Name Trading Arrangement, Individual Name Gross Unrealized Losses and Fair Values for Available-for-Sale Investments Schedule of Unrealized Loss on Investments [Table Text Block] Other income (expense) Other Nonoperating Income (Expense) Ireland Revenue Commissioners, Ireland [Member] Statement of Stockholders' Equity [Abstract] Statement of Stockholders' Equity [Abstract] Fair Values Derivatives, Balance Sheet Location, by Derivative Contract Type [Table] Fair Values Derivatives, Balance Sheet Location, by Derivative Contract Type [Table] Long-Lived Tangible Asset [Axis] Long-Lived Tangible Asset [Axis] Gross Unrealized Gains Debt Securities, Available-for-Sale, Accumulated Gross Unrealized Gain, before Tax Operating leases, number of options to extend Operating Leases, Number Of Options To Extend Operating Leases, Number Of Options To Extend Options vested or expected to vest as of reporting date (in shares) Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Vested and Expected to Vest, Exercisable, Number Net payments from issuance of common stock under stock plans Proceeds (Payments) Issuance of Shares, Share-Based Payment Arrangement, Including Option Exercised, Net Proceeds (Payments) Issuance of Shares, Share-Based Payment Arrangement, Including Option Exercised, Net Business Combination, Asset Acquisition, and Joint Venture Formation [Abstract] Awards Close in Time to MNPI Disclosures, Table Awards Close in Time to MNPI Disclosures [Table Text Block] Assets: Assets, Fair Value Disclosure [Abstract] Investment income Investment Income, Nonoperating Share-based Payment Arrangement, Expensed and Capitalized, Amount [Table] Share-Based Payment Arrangement, Expensed and Capitalized,

Amount [Table] 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] Cash and cash equivalents Cash and Cash Equivalents, Fair Value Disclosure Balance as of December 31, 2023 Balance as of June 30, 2024 Deferred Revenue Aggregate Erroneous Compensation Amount Aggregate Erroneous Compensation Amount Certificate of deposit Certificate Of Deposit, Fair Value Disclosure Certificate Of Deposit, Fair Value Disclosure Local Phone Number Local Phone Number Warranty Obligations Product Warranty Disclosure [Text Block] Aggregate Erroneous Compensation Not Yet Determined Aggregate Erroneous Compensation Not Yet Determined [Text Block] Deferred income taxes Deferred Income Tax Liabilities, Net Americas Americas [Member] 4-5 Years Available For Sale Securities Debt Maturities After Four Years Before Five Years Fair Value Available-for-sale securities, debt maturities after fourth year but before fifth year, fair value. Expected volatility Share-Based Compensation Arrangement by Share-Based Payment Award, Fair Value Assumptions, Expected Volatility Rate Repurchase of common stock (in shares) Stock Repurchased During Period, Shares Weighted- Average Remaining Contractual TermÂ (inÂ years) Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Additional Disclosures [Abstract] Remaining maturity of foreign currency derivatives (up to) Maximum Remaining Maturity of Foreign Currency Derivatives Realized (gain) loss on sale of investments Gain (Loss) on Sale of Investments General Stock Option Plan General Stock Option Plan [Member] General stock option plan. Debt securities, available-for-sale, allowance for credit loss Debt Securities, Available-for-Sale, Allowance for Credit Loss PEO Total Compensation Amount PEO Total Compensation Amount Gross amounts of recognized liabilities Derivative Liability, Subject to Master Netting Arrangement, before Offset Long-Lived Tangible Asset [Domain] Long-Lived Tangible Asset [Domain] Income Statement Location [Axis] Statement of Income Location, Balance [Axis] Share Repurchase Program [Domain] Share Repurchase Program [Domain] Vested and expected to vest (in dollars per shares) Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Vested and Expected to Vest, Outstanding, Weighted Average Exercise Price Unusual or Infrequent Item, or Both [Axis] Unusual or Infrequent Item, or Both [Axis] Commitments and Contingencies Commitments and Contingencies Disclosure [Text Block] Thereafter Finite-Lived Intangible Asset, Expected Amortization, after Year Five Common Stock Common Stock [Member] Measure: Measure [Axis] Preferred stock shares authorized (in shares) Preferred Stock, Shares Authorized 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] Korea KOREA, DEMOCRATIC PEOPLE'S REPUBLIC OF Foreign exchange rate changes Deferred Revenue, Foreign Currency Exchange Adjustment Deferred Revenue, Foreign Currency Exchange Adjustment Granted (in shares) Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Grants in Period, Net of Forfeitures Entity Emerging Growth Company Entity Emerging Growth Company Deferred Revenue, by Arrangement, Disclosure Deferred Revenue, by Arrangement, Disclosure [Table Text Block] Entity Central Index Key Entity Central Index Key Write-offs, net of recoveries Accounts Receivable, Allowance for Credit Loss, Writeoff (Recovery) Accounts Receivable, Allowance for Credit Loss, Writeoff (Recovery) Schedule of Inventories Schedule of Inventory, Current [Table Text Block] Lessee, Lease, Description [Table] Lessee, Lease, Description [Table] Non-GAAP Measure Description Non-GAAP Measure Description [Text Block] Non-PEO NEO Average Compensation Actually Paid Amount Non-PEO NEO Average Compensation Actually Paid Amount Provisions for warranties issued during the period Standard and Extended Product Warranty Accrual, Increase for Warranties Issued Sovereign bonds Sovereign Debt Securities [Member] Stock Repurchase Program Equity [Text Block] Award Timing, How MNPI Considered Award Timing, How MNPI Considered [Text Block] Equity Component [Domain] Equity Component [Domain] Preferred stock par value (in dollars per share) Preferred Stock, Par or Stated Value Per Share Financial Instrument [Axis] Financial Instrument [Axis] Class of Treasury Stock [Table] Class of Treasury Stock [Table] JAPAN JAPAN Additional 402(v) Disclosure Additional 402(v) Disclosure [Text Block] New Pronouncements Accounting Standards Update and Change in Accounting Principle [Text Block] Stock-based compensation expense APIC, Share-Based Payment Arrangement, Increase for Cost Recognition Restricted Stock Restricted Stock [Member] Entity Shell Company Entity Shell Company Entity Incorporation, State or Country Code Entity Incorporation, State or Country Code Title Trading Arrangement, Individual Title Statement [Table] Statement [Table] Measurement Frequency [Domain] Measurement Frequency [Domain] Summary of Significant Accounting Policies Significant Accounting Policies [Text Block] City Area Code City Area Code Recognition of revenue deferred in prior period Deferred Revenue, Revenue Recognized Current liabilities: Liabilities, Current [Abstract] Components of Cash, Cash Equivalents, and Investments Components Of Cash Cash Equivalents And Investments [Table Text Block] Components of cash cash equivalents and investments. Insider Trading Policies and Procedures Not Adopted Insider Trading Policies and Procedures Not Adopted [Text Block] QuotedÂ PricesÂ in Active Markets for Identical Assets (Level 1) Fair Value, Inputs, Level 1 [Member] Foreign currency translation adjustments Foreign currency translation adjustment Other Comprehensive Income (Loss), Foreign Currency Transaction and Translation Adjustment, Net of Tax (Gain) loss on disposal of property, plant, and equipment Gain (Loss) on Disposition of Assets Total current assets Assets, Current Statement of Cash Flows [Abstract] Statement of Cash Flows [Abstract] Option to renew, term of contract Lessee, Operating Lease, Option to Renew, Term of Contract Lessee, Operating Lease, Option to Renew, Term of Contract Accrued income taxes Increase (Decrease) in Accrued Taxes Payable Accrued expenses Increase (Decrease) in Accrued Liabilities Repurchase of common stock Payments for Repurchase of Common Stock Exercisable as of reporting date (in shares) Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Exercisable, Number Unusual or Infrequent Items, or Both [Abstract] Weighted-Average Grant Date Fair Value Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Nonvested, Weighted Average Grant Date Fair Value [Abstract] Weighted-average grant-date fair values (in dollars per share) Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Grants in Period, Weighted Average Grant Date Fair Value Loss (Recovery) from Fire Loss (Recovery) From Catastrophe [Text Block] Loss (Recovery) From Catastrophe Subsequent Event Type [Axis] Subsequent Event Type [Axis] Non-compete agreements Other Intangible Assets [Member] Euro Euro Member Countries, Euro Income Taxes Income Tax Disclosure [Text Block] 2028 Lessee, Operating Lease, Liability, to be Paid, Year Four Earnings Per Share [Abstract] Earnings Per Share [Abstract] Reserve for income taxes Liability for Uncertainty in Income Taxes, Noncurrent Lease components Lessee, Operating Lease, Components Lessee, Operating Lease, Components Revenue from External Customers by Products and Services Revenue from External Customers by Products and Services [Table Text Block] Equity [Abstract] Equity [Abstract] Raw materials Inventory, Raw Materials, Net of Reserves Retained earnings Retained Earnings (Accumulated Deficit) Forfeited or expired (in dollars per shares) Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Forfeitures and Expirations in Period, Weighted Average Exercise Price Inventories Increase (Decrease) in Inventories Organization, Consolidation and Presentation of Financial Statements [Abstract] Organization, Consolidation and Presentation of Financial Statements [Abstract] Aggregate Available Trading Arrangement, Securities Aggregate Available Amount Equity Awards Adjustments Equity Awards Adjustments [Member] Weighted average discount rate Operating Lease, Weighted Average Discount Rate, Percent Operating lease liability Operating Lease, Liability Net cash provided by (used in) financing activities Net Cash Provided by (Used in) Financing Activities Underlying Securities Award Underlying Securities Amount Performance Shares (PRSUs) Performance Shares [Member] Current assets Current Assets [Member] Current Assets Cost of revenue Cost of Goods and Service Benchmark [Member] Product Warranties Disclosures [Abstract] Product Warranties Disclosures [Abstract] Amendment Flag Amendment Flag Entity Registrant Name Entity Registrant Name Payments to Acquire Businesses, Gross Payments to Acquire Businesses, Gross Adjustment to Non-PEO NEO Compensation Footnote Adjustment to Non-PEO NEO Compensation Footnote [Text Block] Stock Appreciation Rights (SARs) Stock Appreciation Rights (SARs) [Member] Unusual or Infrequent Item, or Both [Domain] Unusual or Infrequent Item, or Both [Domain] Gross margin Gross Profit Intangible Assets Intangible Assets Disclosure [Text Block] British Pound United Kingdom, Pounds Net change related to foreign currency translation adjustments Other Comprehensive Income (Loss), Foreign Currency Transaction and Translation Adjustment, Net of Tax, Portion Attributable to Parent Changes in Warranty Obligations Schedule of Product Warranty Liability [Table Text Block] Fair Value as of Grant Date Award Grant Date Fair Value Subsequent Events [Abstract] Subsequent Events [Abstract] Repurchase Program March 2022 Repurchase Program March 2022 [Member] Repurchase Program March 2022 Options vested or expected to vest Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Vested and Expected to Vest, Outstanding, Aggregate Intrinsic Value Significant Other Observable Inputs (Level 2) Fair Value, Inputs, Level 2 [Member] Fair Value Hierarchy and NAV [Domain] Fair Value Hierarchy and NAV [Domain] Geographical [Domain] Geographical [Domain] Recovery of Erroneously Awarded Compensation Disclosure [Line Items] Expiration period from grant day Expiration Period Of Stock Option Plan Expiration period of stock option plan. Foreign currency translation adjustments: Currency translation adjustments [Abstract] Currency translation adjustments [Abstract] Beginning balance Ending balance Standard and Extended Product Warranty Accrual Entity Address, Postal Zip Code Entity Address, Postal Zip Code Schedule of Employee Service Share-based Compensation, Allocation of Recognized Period Costs Share-Based Payment Arrangement, Expensed and Capitalized, Amount [Table Text Block] Restatement Determination Date: Restatement Determination Date [Axis] Title of 12(b) Security Title of 12(b) Security Share-based Payment Arrangement [Abstract] Share-Based Payment Arrangement [Abstract] Income Tax Authority, Name [Domain] Income Tax Authority, Name [Domain] Cash and cash equivalents Cash and Cash Equivalents, at Carrying Value Amortized cost of non-current investments Debt Securities, Available-for-Sale, Amortized Cost, Noncurrent Certificate of deposit Certificates of Deposit [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] Distribution Rights, Developed Technology Rights, Customer Contracts And Relationships, Other Intangible Assets, And Trademarks Finite-Lived Intangible Assets [Line Items] 27,000 square-foot premises 27,000 Square-Foot Premises [Member] 27,000 Square-Foot Premises Forfeited or expired (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 All Currencies [Domain] All Currencies [Domain] Derivative Instruments and Hedging Activities Disclosures [Line Items] Derivative Instruments and Hedging Activities Disclosures [Line Items] Cash flows from financing activities: Net Cash Provided by (Used in) Financing Activities [Abstract] 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] Maturities and sales of investments Proceeds from Sale, Maturity and Collection of Investments Shares (inÂ thousands) Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Outstanding [Roll Forward] Cash and Cash Equivalents [Domain] Cash and Cash Equivalents [Domain] Basic (usd per share) Earnings Per Share, Basic Decrease in compensation expense due to revised estimated forfeiture rates Decrease In Compensation Expense Due To Revised Estimated Forfeiture Rates Decrease In Compensation Expense Due To Revised Estimated Forfeiture Rates Accounts payable Increase (Decrease) in Accounts Payable Increase in tax expense related to stock-based compensation Effective Income Tax Rate Reconciliation, Tax Expense (Benefit), Share-Based Payment Arrangement, Amount Operating lease, payments Operating Lease, Payments Adjustment To PEO Compensation, Footnote Adjustment To PEO Compensation, Footnote [Text Block] Award Timing MNPI Disclosure Award Timing MNPI Disclosure [Text Block] Fire Fire [Member] Unrecognized tax benefits, gross, noncurrent liability Unrecognized Tax Benefits, Gross, Noncurrent Liability Unrecognized Tax Benefits, Gross, Noncurrent Liability Trademarks Trademarks [Member] Aggregate Pension Adjustments Service Cost Aggregate Pension Adjustments Service Cost [Member] Tax years open to examination by Internal Revenue Service Tax Years Open To Examination By Internal Revenue Service Tax Years Open To Examination By Internal Revenue Service Compensation Actually Paid vs. Other Measure Compensation Actually Paid vs. Other Measure [Text Block] China State Administration of Taxation, China [Member] Total current liabilities Liabilities, Current 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 common and common-equivalent shares outstanding: Weighted Average Number of Shares Outstanding, Diluted [Abstract] Share Repurchase Program [Axis] Share Repurchase Program [Axis] Total assets Assets Insurance recoveries, business interruption Insurance Recoveries, Business Interruption Insurance Recoveries, Business Interruption 2025 Finite-Lived Intangible Asset, Expected Amortization, Year One Cost of revenue Cost of Goods and Services Sold Granted (in shares) Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Grants in Period Cash and Cash Equivalents [Abstract] Cash and Cash Equivalents [Abstract] Purchases of property, plant, and equipment Payments to Acquire Property, Plant, and Equipment Other liabilities Other Liabilities, Noncurrent Movement in Standard Product Warranty Accrual [Roll Forward] Movement in Standard Product Warranty Accrual [Roll Forward] Forgone Recovery due to Violation of Home Country Law, Amount Forgone Recovery due to Violation of Home Country Law, Amount Derivative Instruments and Hedging Activities Disclosures [Table] Derivative Instruments and Hedging Activities Disclosures [Table] Commitments and Contingencies Commitments and Contingencies Reclassification of net realized (gain) loss on the sale of available-for-sale investments into current operations Reclassification of net realized (gain) loss on the sale of available-for-sale investments Other Comprehensive Income (Loss), Reclassification Adjustment from AOCI for Sale of Securities, Net of Tax Termination Date Trading Arrangement Termination Date Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items] Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items] Indefinite-lived intangible asset excluding in-process technologies Distribution Rights, Developed Technology Rights, Customer Contracts And Relationships, Other Intangible Assets, And Trademarks [Member] Distribution Rights, Developed Technology Rights, Customer Contracts And Relationships, Other Intangible Assets, And Trademarks [Member] 2026 Lessee, Operating Lease, Liability, to be Paid, Year Two Singapore SINGAPORE 2001 Plan and 2007 Plan Cognex Corporation 2021 And 2007 Stock Option And Incentive Plans [Member] Cognex Corporation 2021 And 2007 Stock Option And Incentive Plans Not Designated as Hedging Instrument Not Designated as Hedging Instrument [Member] Revenue from External Customers by Geographic Areas Revenue from External Customers by Geographic Areas [Table Text Block] Entity Address, City or Town Entity Address, City or Town Summary of Stock Option Activity Share-Based Payment Arrangement, Option, Activity [Table Text Block] Operating lease, number of options to terminate Operating Lease, Number Of Options To Terminate Operating Lease, Number Of Options To Terminate Recognized period costs capitalized Employee Service, Share-Based Compensation Recognized, Period Costs, Capitalized Amount Employee service share based compensation recognized period costs capitalized amount. Stock-based compensation expense Share-Based Payment Arrangement, Expense Net income Net income Net Income (Loss) Attributable to Parent Trading Arrangement: Trading Arrangement [Axis] Granted (in dollars per shares) Share-Based Compensation Arrangements by Share-Based Payment Award, Options, Grants in Period, Weighted Average Exercise Price Pay vs Performance Disclosure, Table Pay vs Performance [Table Text Block] Forfeited or expired (in shares) Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Forfeited in Period Offsetting Assets Offsetting Assets [Table Text Block] Business Acquisition [Axis] Business Acquisition [Axis] Schedule of Intangible Assets Schedule of Finite-Lived Intangible Assets [Table Text Block] Equity Awards Adjustments, Excluding Value Reported in Compensation Table Equity Awards Adjustments, Excluding Value Reported in the Compensation Table [Member] 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] Foreign Tax Authority Foreign Tax Jurisdiction [Member] Entity File Number Entity File Number Moritex Corporation Moritex Corporation [Member] Moritex Corporation Cash and Cash Equivalents [Axis] Cash and Cash Equivalents [Axis] Realized Gain (Loss) on Investments Realized Gain (Loss) on Investments [Table Text Block] Liabilities: Liabilities, Fair Value Disclosure [Abstract] Revenue Recognition Revenue from Contract with Customer [Text Block] Document Fiscal Year Focus Document Fiscal Year Focus Revenue from External Customers by Products and Services [Table] Segment Reporting, Revenue from External Customer, Product and Service [Table] Income Statement [Abstract] Income Statement [Abstract] Entity Address, Address Line One Entity Address, Address Line One Value of shares repurchased at cost Treasury Stock, Value, Acquired, Cost Method Total intrinsic value Shares Based Compensation Arrangement By Shares Based Payment Award Options Exercisable Intrinsic Value Shares based compensation arrangement by shares based payment award options exercisable intrinsic value. Revenue from External Customer [Line Items] Revenue from External Customer [Line Items] Effect of foreign exchange rate changes on cash and cash equivalents Effect of Exchange Rate on Cash, Cash Equivalents, Restricted Cash, and Restricted Cash Equivalents, Continuing Operations Term of contract Lessee, Operating Lease, Term of Contract Name Forgone Recovery, Individual Name Remainder of fiscal 2024 Lessee, Operating Lease, Liability, to be Paid, Remainder of Fiscal Year Weighted average remaining lease term Operating Lease, Weighted Average Remaining Lease Term 2029 Finite-Lived Intangible Asset, Expected Amortization, Year Five Document Period End Date Document Period End Date Change in deferred income taxes Increase (Decrease) in Deferred Income Taxes Finished goods Inventory, Finished Goods, Net of Reserves Award Timing MNPI Considered Award Timing MNPI Considered [Flag] Future lease payments Total Lessee, Operating Lease, Liability, to be Paid Nonvested as of beginning of period (in shares) Nonvested as of end of period (in shares) Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Nonvested, Number Deferred revenue and customer deposits Increase (Decrease) in Deferred Revenue Insider Trading Arrangements [Line Items] Cash, Cash Equivalents, and Investments Cash and Cash Equivalents Disclosure [Text Block] Inventory Disclosure [Abstract] Inventory Disclosure [Abstract] Outstanding Aggregate Erroneous Compensation Amount Outstanding

Aggregate Erroneous Compensation Amount Other current assets Other Current Assets [Member] 2027 Lessee, Operating Lease, Liability, to be Paid, Year Three PEO Actually Paid Compensation Amount PEO Actually Paid Compensation Amount Deferral of revenue billed in the current period, net of recognition Deferred Revenue, Additions Adjustment to Compensation: Adjustment to Compensation [Axis] Prepaid expenses and other current assets Prepaid Expense and Other Assets, Current Document Transition Report Document Transition Report Discrete tax expense (benefit) Effective Income Tax Rate Reconciliation, Discrete Tax Expense (Benefit) , Amount Effective Income Tax Rate Reconciliation, Discrete Tax Expense (Benefit) , Amount Document Quarterly Report Document Quarterly Report Fair Value, Recurring and Nonrecurring [Table] Fair Value, Recurring and Nonrecurring [Table] Accumulated other comprehensive loss, net of tax Accumulated Other Comprehensive Income (Loss), Net of Tax Entity Current Reporting Status Entity Current Reporting Status Retained Earnings Retained Earnings [Member] Pension Adjustments Service Cost Pension Adjustments Service Cost [Member] Income Tax Authority, Name [Axis] Income Tax Authority, Name [Axis] Basic (shares) Basic weighted-average common shares outstanding (in shares) Weighted Average Number of Shares Outstanding, Basic Stock Price or TSR Estimation Method Stock Price or TSR Estimation Method [Text Block] Tax effect of unrealized gain (loss) on available-for-sale investments OCI, Debt Securities, Available-for-Sale, Unrealized Holding Gain (Loss), before Adjustment, Tax Unrealized losses, 12 months or greater Debt Securities, Available-for-Sale, Continuous Unrealized Loss Position, 12 Months or Longer, Accumulated Loss Restricted Stock Units (RSUs) Restricted Stock Units (RSUs) [Member] Increase (Decrease) in Stockholders' Equity Increase (Decrease) in Stockholders' Equity [Roll Forward] Executive Category: Executive Category [Axis] Purchases of investments Payments to Acquire Investments Name Awards Close in Time to MNPI Disclosures, Individual Name Loss (recovery) from fire (Note 17) Loss (Gain) From Catastrophes Loss (Gain) From Catastrophes Non-current accrued income taxes Accrued Income Taxes Unrealized losses, less than 12 months Debt Securities, Available-for-Sale, Continuous Unrealized Loss Position, Less than 12 Months, Accumulated Loss Entity Filer Category Entity Filer Category Income Statement Location [Domain] Statement of Income Location, Balance [Domain] Exercisable Share-Based Compensation Arrangement By Share-Based Payment Award, Options, Exercisable, Aggregate Intrinsic Value Share based compensation arrangement by share based payment award options exercisable aggregate intrinsic value. Company Selected Measure Name Company Selected Measure Name EX-101.PRE 11 cgnx-20240630_pre.xml XBRL TAXONOMY EXTENSION PRESENTATION LINKBASE DOCUMENT GRAPHIC 12 dennisfehr-relocationx10001.jpg begin 644 dennisfehr-relocationx10001.jpg

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(HHUCC0!51!@*V!ZG-2YDW)N(U^;N[@"O"W;5\\H8(PA*:Y^A:1!_/7.C;C+;O/%\B;;E-@CL7\TC1+L6QM@UY)JYZTK:!8F^[*=NW-61%VG(%[6.NC;A!S,3P1:=H7"$9FMR>8<1)X;'ISFLNG!62!W#X,;<-GN,7/ZU\[@$(/GY0]$+P3DF<>N\D/
WBCQGKGC">XAEUBZ$H@!!?$RD@-N-1CDH@@Q2X<]G;W=!<>[$%[$2WY"/TM:F".O+=L*W??W)K"T,8@2WP2 4U='Y.G_H[!S/6!;&]:=$I*5B]:F\&Y5 D$GW/-?R+Z^YA\^W7*+?#VQ X+"'-KG9N.I3/:%FB1M?NDJBHT=[D71L)/L6R]X0Y,BO1%.X]Y'AV\OH,F/]+4GTFK8:/E\77
$%WI=Y$R/#(0A(X=,_*P]0175^&/C#XC\,:1 M%I<4=I=VT(Q$+A&W(/3*D9'UKZ4UGPYHWB")8+TZ!L;96)YO;X)$/J\^/QT4_[ZE^4CHDNS_!E5V&5S0J:*?20/T^=]C*%_;ZPTTD3WD(8TN1O(=J(BPZPLL\0BA)T=;+^SHDF=QS(R5!K4HJ+TCGS#^?NXK3YNY#5=YMC:>W+Z)+1 M_P!D!_=B^=AK
%5RGC/XE:YXW@AMK\6\% MK"_F"&W4@%L8R222>"?SKW__4([X"_&GH9Z6E<3>S8PSG7VNQN[KTH[+@'5;0+ZUUDEYF2"<&2F&-D\<$>AO(\2H" 4]*,WHCVU4U[]0PE'V*Y-6:^X[\=Q5?\J\CP\]$:O+>W<2L(D3N7$%2NV#O7S6%H:5A]M0$%;Y;>R'T6J5)5[PM=%"_A48:*!"W
MVKI6BZ9H=K,K^^+LT_+M#1=-6I'8U]V&WOVFHPD*
Z!_/K7MUK:0^6XBK,K,]?Q*:5S>5/:#9E%FR>2O6@9%C8/3[)9N*YF'SN6=M'UHBB1M;>C;A88/)=S2B>ZT_:&]ZSX.0M/P;^X#I<LL/YN-%R7W"5DPF9DY
Z!_/K7MUK:0^6XBK,K,]?Q*:5S>5/:#9E%FR>2O6@9%C8/3[)9N*YF'SN6=M'UHBB1M;>C;A88/)=S2B>ZT_:&]ZSX.0M/P;^X#I<LL/YN-%R7W"5DPF9DY
<@=C_ +?\K7Q_X MX:&"_1[OT4;J[TAW%5^L]-B^\1S?6]HUL;%/?/=-)Y[]A0_/0^M4+Y.C>%-[+OX,^,A9P?XCQW"]9WL$M5DDH\'4&;XZ%+8YL9)7'/^,XK5&V?"JXJ%C_T#7JVSC)0_ZK>J6U7)>Y;9^O==>H/X+7,$;(QG-:;6Z7G+Y+8)!M[>RT$.GEO&!*5GOZ2G3R6?KWTK>I9&+P+[*N9 N^?[!"=X!+A
M0 4444 %%%% !1110 4444 %%%% !1110 4444 %%%% M!1110 4444 %%%% !1110 4444 %%%% !1110 4444 %%%% !1110 4444 % M%%% !1110 4444 %%%% !1110
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!1110 4444 %%%% !1110 4444 %%%% !1110 4444 %%%% M!1110 4444 %%%% !1110 4444 %%%% !165J/B?0-'N1;:GK>G64Y4.(KFZ M2-BIR <,0<<'\JETO7M'UOS?[*U6RO\
R<>9]EN%EV9SC.TG&<'\J -"B@D M9/ JM8:C8ZK:+=Z?>6]W;,2%FMY!(A(X.".* +-%4I-8TR&ZN+634;1+BWA- MQ-$TRAHXAU=AG(7W/%3VEW;7]K'=6=Q%<6\HW1RQ.'5QZ@C@T
3455@U*QN; MRYLX+RWENK7;Y*2AGBR,CH- #J*K76HV5 ME-;PW5W!!+I]A46I:WI6C",ZIJ=G9"4XC^TSK'O/MN(S0 M!>HI%970,K!E89!!R"*KW6HV5E-;PW5W!!+I]A0!9HHHH M **** "BBB@
HHHH **** "BBB@ HHHH **** "BBB@ HHHH **** "BBB@ MHHHH **** "BBB@ HHHH **** "BBB@ HHHH **** "BBB@ HHHH **** "B MBB@ HHHH **** "BBB@ HHHH **** "BBB@ HHHH
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"BBB@#P[QU;W%S\=;>.U\-6GB&3^Q0?L5U(B)CS'^;+@C(_K77 M:1INO0>&-8;3?"VE>$-7(4V_D-#*EQM!.'V@ #DCGIG-7/$OPY37_%2>(;?7 M]3TJ]2U%J&LF5?
D#$]2,\Y_2FK\/;XZ)J>F7'C/7+I+]%C:2=U9HU!.X+QQN M!P?:@#"^'7CG7_B!J-S=2&VL]+T^U6*X@0*[SW)4Y8'JJ<$CZ#D\XX3PMKGB MSPG\';/Q'I^H62Z9:WC(;![;\00:KHD M\]BJV8M)[9,&.Y4#
9^,[^AR.X]SFM_PJS3?^%+?!OPV\,> M(3?V,^B%X[=]-%MAQS;_,SDMQTP ,CK7J%WX"LKO7]7U=KNX674]+;3)$ M7:B$;AQUXK"M/@[801Z993Z]JMUH^GR+/'ILSKY32CG)P,X)).WW/3- '+>
M)[^^NKCXJVMI]CM#:6]LS31VRB26,QDLK,.2<< GI7HOPRAOX?AUH@O[J.X9 MK2)X2D>S9$47:A]2!W[TV7X>Z=/>^*KB6ZN3_P)'"D-PHP/*"H5!3CKSGG- M:?A+P])X7T"'27U.XU!(/EBDG !1
%08["@#S3QIH%Q8?%7P?JMYJ]S?2W MFK,L43@+';1 J51%'?GEN^!4NHZ;9>)/C1XFM=9MHKJWLM!5;9)E#"/<%)9< M]#ECSU&:]"U_PI;>
(-8T/4I[B:*32+@W$2IC#DXX;/;CM67XJ^'5OXCUC^U[M;5K[2;Y[8V=Q+:$?OX3U5@?Y_P" H J?!:[GN_A1HS7#,S()8E9O[JR,%'X M ?A7+>-- N+#XJ^#]5O-7N;Z6\U9EBBCON$,$N!!.2?XFBDTBX-
Q$J8PY. M.&SVX[4 =!1110 4444 %%%% !1110 4444 %%%% !1110 4444 %%%% !11 M10 4444 %%%% !1110 4444 %%%% !1110 4444 %%%% !1110 4444 %%%% M !1110 4444 %%%% !1110
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5#=W<%A9S7=U*L-O C22R.D7PKX/U6PL M=532XH_$L]FLWD&>4H,#;%&%;=(0O&01U- 'L-%>1CQ?K=E9^+X(M0U*86.D M"^LI]3L4@GC<[P?EV*&7*@C<;Y#G"CW.#^56:\O\6V.OV]K
MHMC<:U%=3?\ "1VPL[QX5\V-#&_^L10%+ YQ@ $8S70>'[K5K'QMJ7A[4-5E MU2!+&&]@FGBC21"SNC*=BJ"/E!''% &_J^O:3H$,1>)-25VO MDB-G:HF7DD+D'9''WA(5S(F]D@F#D+D#)
[9(K8KCOA]ISOIDO MB6]A5-2ULBY90/\ 4P?\LHAZ +@GW)KL: ,4>+_#IUC^R1K5C_:&_P OR/.& M[?\ W?\ >]NM/U3Q1H.B7<5KJ>KV=I/*,I'-*%.,XR?09XR>*XO6M/T^_LH_
MA]X8M@PBGCFOKK)9;!1()"2YY,S$' SGDDX%:/ANUM]1U7QXVH1I(TNH&UE# MC/[A;>/:OT^9C^)H ZC5O$&D:##%-JNI6UHDIQ&99 "Y_P!D=3^%6K&_L]3L
MHKRPN8;FVE&4EA<,K#V(KSGPM?Z3I'@/PUXHU@2RZI_9J6-JJY>68$_*D:=V M; Y].IQ5>34KCP/X8,%_<6VDZKXDU*>X7^6!Y[G->F4 %%%% !1110 4444 %%%% !1110
M4444 %%%% !1110 4444 %%%% !1110 4444 %%%% !1110 4444 %%%% !1 M110 4444 %%%% !1110 4444 %%%% !1110 4444 %%%% !1110 4444 %%% M% !1110 4444 %%%% !1110 4444
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%4M7TR#6M&OM+N6D6"\@>WD:,@,%92IP2",X/I5 MVB@#G9?!>E3:WHNK/YYN=(A,, WC:XVX!<8Y*Y)'3!)JM<> =.EA?R+V^MKG M^TY-5BN8G3?#,XPVT%2I7!
(P0:ZNB@#D&^'FGS'5I+O4]4NKC5;+[%=S2RIE MDR<%0$"J1G 'MGFM36/#%KJ]O8#[3=6EUI[;K2\MF EB.W:>H(((X(((-; M=% '+0>].0Q2SWE]=7BZA'J,MW,Z^9-*BE5#84 ( ]:5%
'+Z_X(M_$&O6FLMK&K65U:0F&'['+&JH& M/S, R-ACP"?0"ISX32;PSJ&A7NLZK>PWRLDD]Q*AF164 JI" <=P>IKH:* M*5U9G^Q9K*T:2-OL[11&-]C+\N!AL'!''.#CTHTRUN;71+.TN[EIKJ*V2.6X
MSDNX4!FR>Y.3S5VB@#AM,^&<6CP&"P\5^)8(C(TK*MQ#\[L>U %NBBBN8OOB'X6TW4+BPBNM4V75NVR6-;>5]C8S@E5(Z$4 =/1533-
M3L]9TZ*_L)3+:RYV.49U%_J5GIBV[7DXB%Q.EM%D$[I'.%7CU- M %NBBB@ HHHH **** "BBB@ HHHH **** "BBB@ HHHH M **** "BBB@ HHHH **** "BBB@ HHHH ****
"BBB@ HHHH **** "BBB@ MHHHH **** "BBB@ HHHH **** "BBB@ HHHH **** "BBB@ HHHH **** "B MBB@ HHHH **** "BBB@ HHHH **** "BBB@ HHHH **** "BBB@ HHHH *** M* "BBB@
HHHH **** "BBB@ HHHH **** "BBB@ HHHH **** "BBB@ HHHH M **** "BBB@ HHHH **** "N>\>?\D]\2?\ 8+N?_135T-5-3T^#5]*O--NM MWV>[A>"7:<':P*G!]
<&@#FK^"RN/A"\>HJC6O]BAGW]!B'(/U! (]ZXZW\0: MW>'P]HLQUQ8X] MKRY.DHAGEE?Y1N9^BC:3QR2>>E=='\,]&\N*"\OM:U"SB MV[;.\U&1X#M^Z"F0"!@<'BM?6/"MCK%
[;WXGO+&_MXS$EU8S>4_EDY*'@AES MS@@X/2@#A6UCQ5-I.BV4]W>Z=<3>(#8?:IH8Q/-:^4[!F494/VZ8RN<=J;KF MK:WX9LO&MA!K5W=?8+&VO+.XNMK2Q-(S*R[@!D?
+QD<9KMK7P5H]G;:?!$D_ M^A7IOUD>4L\LY5@7D8\L2&/Z>E/U7P=I6L/JKW8FSJEM';7&R3'R1DE<<<'+ M&@#$C35O#WCK0;*77KW48-5AN1 M%
[^676;JRFM)7OFTG7>CVE[K&G:I*'^TZ>)1!A ML#]XH5LCOP*Q%^'^DP6>FP65QJ%C+IT30075M<;9?+8[BC'!##.#R.,<4 6O M!.I+J?AJ*7^U9-2>.22)YYK;R)058_)(G9U& >!G&<@PHH
XOQ5KNM#7]%TKJ1EL7O+[^Q%5 MY&92J[$:3&$$#$DG&3QTR:P-5N=?OM$M;"\:_MVA\2V*6%[?11B?8Q!!=5RI9 M6SSW&,BO2]<\-66NRVMQ++T MBA_TF5UOX]1>XEF+RS3HHX
QP,"@#EM4O=7\,W?BC38M;OKR./PY)J= MO+=E&D@F4NORL%'' ."."*ZWP?8WUOHT5WJ&L7>HW%[%'._G[0D3%E3ZGX6TW5KN]NKD2^9>:7=6UE++$^T-M95)!P># M^-
;EH/>:YJ#Q6MI/+$@)EE/!V MJ N$4D].B\U:*>)'N?"US<:Y/''>Z3)-;:E*0%4/%U? X *X;CUK&O?#U]X MH\1:*DTE]8Z5I6GB>.YMI C27,@"X!P>%0'M_'67JO@35;:^U[2].N+V\L?$ M6F,)+J[E#F*
[CX3><#"LI"].U &M<>/C?>(?#%GI\.H6D.H7;;OM=F8Q,.\L-?LOAG=^"(O M#E]=7L;-''=)L\B6+=S=XDW;L[L'[N,Y]N: .^G\::;%XF;P^EO?W%]&\:S?9 M[9G2$.
5=V'"KSU/OZ&J\'Q!T6XN(MJ7PL9I_L\6I-;,+623.T 2>A;@-C!/ M>F:=H]V?%_C*:6)X;?4([6."?^]MB96(^A-<'I_A2^30;#PW=Z+XBGO(7CAF MWZFZZ=L1@?-!#XQ@!@H7.>,4 >@7OC[2+&
[N8WAU![:TF$%U?16K-!!)QE68 M>F1D@$#/-/U7QQIFE7UY;/;:C3R:["N"D%^OCGP*-49&U :7>"Z:/[IEV0[\>V/0(1'QQ,N*B!!G?!U@!<#DSEPFF3%Z/<)&L+MIA,O/M>YMS4W*3>)(=EEGQ
T=L&V^;E>5Q@G)XY]C73W?BK M4+GXK7/A-M1&D01V2S6>2C->2$ GEP1@3ZR1>)]0TOXL6OA"YNCJ%M>62 M62-%R%U5P!>;D#$M
.]HKS;2_&FK6OQ+&A:Q)&^DZFDK:3/L"L6CM9V86)09",[BS <@?+C&.M '?445YH?&FMZKX]N](TG:L.FFKMY6W8T:I)Z;8J,H!.3[_ +**X&NK0SVR 46
#DUAX?:2#4?$6K7CQ MV6Y-B16X.!+(%ZX)(&,G/3&*==>)M3T#XF:'X:N;PZC;:M;.S%XD1X)%!(* M[0/D.TC!R1ZT_:&3-WI%:Z=KS6[K5H0VZ@6Z-Q$+,5ZP,2&T8ABXW7B2*;(O
>M76M>O=&\$^(]?EU!B(&F%D#$@"[6V(#Q\VYQU]"._- ':45Y]X7U;6M M?T32IH_$EM+JK)!J"2_F6%D[L5[BE:LKQWQ>U[I'6IF7 Z]^\WN<@O%BBOP
;A1/ M;AE4DLI!#?,>>GR]*VO&WCV\M?"OAC4-!G2VN]=GA6%)U5E6.1<] MZ /2Z*YS3)[JYOI;J'Q%%@K-V&!I4)"&+,!O?^8MRB MH+Z(,H^2A?8PNB%Y4
(6MV7)SV++D9XZAO2@#TNBN!%!U[6D>JN"QT/TOR.%BG9R2QFJ8T12LDB0 !"V*0&C)=!>%?!:L"H.Y(RO*,):!X;L5;2K!6%5<ZM^;JP/FU.%.-E;3+IZ
M>&_&LOB3QYKFDPRJ/%N%DPP+&3]-MX2C<8'XGT !1!1:OXA^/\^R@.H1)%F&W/@ME*"%BO]K+ZM4L<+E^1>@K%C%I=_7%I%?.IF%W?7.U*3[?]D!*EO_M%T
**** " MBBB@ HHHH **** "BBB@ HHHH **** "BBB@ HHHH **** "BBB@ HHHH ** M** "BBB@ HHHH **** "BBB@ HHHH **** "BBB@ HHHH **** "BBB@ HHH MH **** "BBB@ HHHH ****

"BBB@ HHHH **** "BBB@ HHHH **** "BBB@ M"M?W,EI83SPP&>1$)2(.J[CV&6(_$UY[\,O"UMI'AXR^([&Q_MV:\ENII9C M#*P9CP5<$X&
#VY)KT'4=.L]6L)K#4+>.XM9AB2*095AG//X@5SG_"K_ /_ M -"QI_\ W[H YF:UU&X^+L_B6^T=[C3+73_LE@J7-L6+$Y9BK2C&U+X87NC:7HUO9W-V_D0VB7D/[BW!&2[;]I+ -PN<;@.V:Z3_A5_@?
_ *%C M3_\ OW1_PJ_P/_T+&G_]^Z .5T3P]<>$?'\.H:39I)HUSHT5K=*MQ"K)/& % M)&[G(49(S]XU4\6:5K'C7POHMO=:4MGXGM9HV.I?:H/+@Q]]PRN6(. =H&<_ M3-=K_P *O\#_ /0L:?\
]^Z/^%7^!_\ H6-/_P"_= &%_P"%7^!_^A8T_P#[]T?*O\ _\ T+&G_P#?N@#(M\;^%(M?\(Z5;Z5>1VNJZ3)#+92M*H>/;@,"02,XYZ]5%;,\$6H2IHKA[71+. M&/9(ES&#BQW]K!8O:31P2H'A?Y\.
S#*G> M1PU5/B+HU]J_A71_"^D1"YLQ/!]NG%S$G[E.HPS@EB<-^%= M'_PJ_P #_P#0L:?_ -^Z/^%7^!_^A8T__OW0!J2R6.G075[I]M!)>/"J>5')
M&ADV9V*22!QN/.>]>;>']&U[0OA+K5BMHK^)M5EG>4"[@P&D^7?OWXP%Y]<] MJ[7_ (5?X'_Z%C3_ /OW1_PJ_P #_P#0L:?_ -^Z ..7PMJ&I?#G1O ZK%I-
MBJ1G5+F:XB9WPV]UB5&;.7YRQ''8U/J>CW+?$;P[<1:0TOAO0+-H;9$NKYN?*2UCNH#)Y4C9FE8A]H)#OA02O>'M6L[R&&>SG M\F[(E4&2T<'S$Z\]QCT=JT_^%7^!_P#H6-/_ ._='"K_ __
$+&G_\ ?N@# M&^*]EJ/B/B;0K30])A6>WGNXWOI5N8DVPJ!7T'P[;Q MRO=&..3%Q$@BB4@D?,PR> ,#L36K_P *O\#_ /0L:?\ ]^Z/^%7^!_\ H6-/ M_P"_= #3;17D5KX?,;VFAVMK&ID%Q&#,5 "Q?
*Q(4 9/'S=.F<\UX6T_5= \ M6^-=8>Q>5+Y8C8>9>PN\I0,,,?,XSD=>U=/_ ,*O\#_]"QI__?NC_A5_@?\ MZ%C3_P#OW0!RG@?"7A%=/;1]^L7MZ\]W MO5P00"#D'H17)_\ "K_ _P#T+&G_ /?
NNI@ACMH(X(4"11J$11T50, 4 244 M44 %%%% !1110 4444 %%%% !1110 4444 %%%% !1110 4444 %%%% !111 M0 4444 %%%% !1110 4444 %%%% !1110 4444 %%%% !1110 4444 %%%%
M!1110 4444 %%%% !1110 4444 %%%% !1110 4444 %%%% !1110 4444 % M%%% !1110 4444 %%%% !1110 4444 %%%% !1110 4444 %%%% !1110 44 M44 %%%% !1110 4444 %%%%
!1110 4444 %%%% !1110 4444 %%%% !111 M0 4444 %%%% !1110 4444 %%%% !1110 4444 %%%% !1110 4444 %%%% M!1110 4444 %%%% !1110 4444 %%%% !1110 4444 %%%% !1110
4444 % M%%% !1110 4444 %%%% !1110 4444 %%%% !1110 4444 %%%% !1110 44 M44 %%%% !1110 4444 %%%% !1110 4444 %%%% !1110 4444 %%%% !111 M0 4444 %%%% !1110
4444 %%%% !1110 4444 %%%% !1110 4444 %%%% M!1110 4444 %%%% !1110 4444 %%%% !1110 4444 %%%% !1110 4444 % M%%% !1110 4444 %%%% !1110 4444 %%%% !1110 4444
%%%% !1110 44 M44 %%%% !1110 4444 %%%% !1110 4444 %%%% !1110 4444 %%%% !111 M0 4444 %%%% !1110 4444 %%%% !1110 4444 %%%% !1110 4444 %%%% M!1110 4444
%%%% !1110 4444 %4]6U*'1M'O=3N5=H+.!YY!& 6*HI8X!Q MS@5\O[>U\.^(+U;&YD MM9IK6T5TWH?F ^?)_+O6]H6@67AZR>UL?/*R/YLCSSO*SN0 6)8GKC.!QG-< M[\/71$\6,[*H'B*\))).,?=H
Z71-N9S81ZJURXD4869 0"@Y()'4X[B@#V*BO+X=)BT'4O NHV=Q>& M\U&40WTDMS(_VE6MW<[@21PR@C &.U8,FFJOPOU3Q3]KOCK%I?7#VMQ]JD_< MA;IE"JN=NTC.01SD^U
'L<%]Y^H7EI]EN8_LVS]])'B.7<,_(W\6.A]#5NO* M]>-Y>:UXUL8-52S=IM,CA%Q.T41CG!Z= >V: /1Z*ALX(K6R@MX"S0Q1JB%F+$J! M@9)Z\=ZFH **** "BBB@ HHHH **** "BBB@ HHHH ****
"BBB@ HHHH ** M** "BBB@ HHHH **** "BBB@ HHHH **** "BBB@ HHHH **** "BBB@ HHH MH **** "BBB@ HHHH **** "BBB@ HHHH **** "BBB@ HHHH **** "BBB@ M HHHH **** "BBB@
HHHH **** "BBB@ HHHH **** "BBB@ HHHH **** " MBBB@ HHHH **** "BBB@ HHHH **** "BBB@ HHHH **** "BBB@ HHHH ** M** "BBB@ HHHH ****
"H;NT@O[.>SNHEEMYXVCEC;HZL,$'Z@U-10!S-E\/ M/"&G7<=U:^'K!)XCNC'-'\0"'^U+"*Y:$DQ.CVJQ7,0BG4+_ *U0Q8;O[QR2Q/U8YK2HH S;KP]I%Z+\76GV\PU
M(+H2+D2A!A<_3MZ57L?"6@Z;:7EK::9"D5[&8KG.6:5,$;68DDC!/&>];5% M$5M;PV=K#;6\8C@A01QHO15 P /PJ6BB@ HHHH **** "BBB@ HHHH **** M"BBB@ HHHH **** "BBB@ HHHH ****
"BBB@ HHHH **** "BBB@ HHHH * M*** "BBB@ HHHH **** "BBB@ HHHH **** "BBB@ HHHH **** "BBB@ HH MHH **** "BBB@ HHHH **** "BBB@ HHHH **** "BBB@ HHHH **** "BBB M@
HHHH **** "BBB@ HHHH **** "BBB@ HHHH **** "BBB@ HHHH **** M"BBB@ HHHH **** "BBB@ HHHH **** "BBB@ HHHH ***CGGBMK>2XGD6.&
M)2[NQP%4#))/IB@"2BN(/Q#+POK$F@A=YU ",9C_P">@B+;RF.,YD=4!Y[L*U,@=Z "BL]]8M$UZ/1["_+Y:LJGGURPX^M M3:=>27VFP7E !11D'I10 4449S0 4444 M %%&<]** "BB@G'6@
HHHH **** "BC-&1G'>@ HHR/6LK4- M<[L'/IP>:T,B@ HHS6/'XBMY/&$WAL0RBYBLEO3+QL*ERF.N--.T#Q!I>CW46&*]?4D'CVJ71=5AUS0[#58$>. M*\MTN$1\;E5@" <=^: +]%&1G%!(
R3@"@ HKC!X_DNXI;W1_#.K:II,3,#? M0>4JR!3@F)&8-(.#R!SCC-=/I6JV>MZ3;:G83"6TN8Q)&XXR#Z^A[$4 7*** M,YZ4 %%&><49YQWH **** "BC/.*,YZ4 %% (/0T9YQWH **,C.,T9Q0 444 M4
%%)D>O2EH ***1F"J6)X49- "T51T;5K77='M=4LBYM;J,21%UP2IZ<=J3 M3-8M-6DOTM2Y-C=-:3%EQ^\558X]1\PYH OT4 YZ49&<9YH **,T9H ***.M M !11D8SGBB@ HHSBB@
HHJI>7DEK):+'9SW GF$3-%C$(P3O;)^[QCCU% %N MBJ&E:Q::PEVUH7*VMU):2%EQ^\C.&Q[9XS5\'/2@ HK+U37(-*O]*LY8Y'?4 MKDVT93&$8(SY;VPIK4H **HZSJD6BZ'?ZK,CR0V=N\
[K'CWWA^=&K:Q::+;PSWA<+-<16R;%R2\C!5_#)H OT5EV&N0:AK6K:7''(LN MF/$DCMC:YDC#C;^!QS6H3CK0 4444 %%%% !1110 4444 %%%% !1110 444 M4 %%%% !1110 4444 %%%%
!1110 4444 %%%% !1110 4444 %/EPO^ MKQ_>[;>N>*YS9IWB[QW:VVMV3+IQT2*[L--O %7>SMO9D!P74!!CG -=<_@W MPR^J?VF^@::U]NW^>;9-V[^]G'7WZU;U;0=(UZ%(M6TVUO4C.Y!
<1!]I]L]* M /)%@CU"WTW2!<33:-%XPDM+0B9OFMQ Y,8?.2@8NO7IQ4^O6X\+R^-=/T(/ M8:?]DT^:2.V8@0*\K),Z#^$^6#DCTSVKUA-(TV."T@2PM5ALW#VT:Q*%A8 C M*#'RG!(X]35?5]'-
W9W[:=)#9:G=0K%]L-NLA(4DJK _>7DC![,<4 <)_97A MO1OB=X1A\/F"'SH+MY8+:7@>"+BS\16NK7EMH=BMG'*(;;1[8 MQK(\@ :1R<9X& ,<9/-
=6^AZ5)H_]D/IMHVF[=OV0PKY0&,I()EEB'B+2D#* MV1E3 &'X$$?A4?BB&SUF'QAJD6CVEPME+-!)JFJWY62WDC0#;;QJA*@'&WD; MB>^:]6B\.Z)!;-;0Z38QP,T;M&D"A2R8V'&.JX&/3 J*?
PIX>NM3;4KC1-/E MO6^].]NI8\8R21R<<9H X#1K.ROO'?AG4;V**6]F\++<&:3[SS Q -GNV"?S MK,\(VUKK:^"](UT";2VT)[B"VF;]W<7(D .X='*H<@'.,DUZP_A_1I&L&?2[M,MIX
LR85S;@#&$X^4<#IZ4RY\,Z%>Z7#IESI%E+8P?ZJW:!2D?^Z,6\4C3Z%:3S'08?%EG;6WES-\BM'F:)&!R%#$C /&36IJ>E:?X?U_Q1I6FW M7]A:;<>'4N)'A#;(93+(GF!1TX !Q]:])BT32H+.VLXM-
M([:UDL*PJ%B< M=&48P",GFII-.LI;F2YDM('GDA^SO(T8+-'DG83W7)/'3DT >;^$;>/P_P", MK"PN=#LK"ZOK*3R;G1[LO;72IM8L\9 (/(PQSG)&:V/&44&H^-/#&CZJ/^(((K*Q\9Z)I,TD6CV]UI?
E)# M(=MM,\Z^8L9_AX"' Z$]LUUEGHNG^&OBGI]MH]N+2WO=*N&N(HV.V5DDCVLP M)Y;YF^;KS770>']&MM+&F0:59QV 8/\ 9EA41[@0P;;C&<@'/J*MM9VKWL=Z
MUO$UU&C1I,4&]58@D]0#@<>PH Y/QLXT/5-#\5[MD%E.;6^/;[--A=Q]E?8 MWYUR(A:_M_#MSK+/%I_BC5Y;N^5G*AD,3&U@8_W2%3Y>YKO_ !?HFH^(].72
M+>XM8=.NCLU!I49I3'D'$>#@$@$9/3.1TK7N]+L+[3CI]W907%D5"F"6,,F! MT&#QQ0!Y#XLMK?1E\:Z/H(\K2TT..YGMH23';W!D(^4=$)09(&.@-=?K5_;S M_$7P3%!&W56!
(P<$#T./I0!RGPBT'3[3P7IFLI" M6U*\MML]R[LS.NXX7DX]*:_AW2_$?Q2\0PZO;"[MX=/LRL$C'R]S&7Y MMN<;AC@]LG%=[9V=MI]I':6=O%;V\0PD42A54>@ Z4)9VT=Y->);Q+&PYR$*W'D*1Z?
N) _\ P&O4 M?%UO'8_#37+:W!2*#2)XXQGH%B('\JV!HVF*MBHT^U L.+0")?W'&WY./EXX MXJ+Q#IKZSX;U32XY%C>\M);=789"ET*@G\Z /.H=.TC1U\":AX>93J5_*[R7;XKC:>1K[S"+B&[61@D0
MYRHR%4)T(/3FO4-!\)Z/H*Q36NF6,5_Y*QS7,,"JTA &3G&>2,^]2R>%M EU M<:M)HM@VHA@PN3;J9-PZ'..OOUH \P\0:<]WJ.NZQFZVL$,1NXGNFMKS2 MV$*DB%B"H'5P1C))Y-
/\0O;:W'XJN#'));R^#8+J);CE@?WSJS?[0(!^HKTS M4?"OA_5[U+W4=%L+NZ0 "6:W5VP.@R1R/K5UM-L7FFF>SMVEFA$$KF,$O&,X M0^J\GCIR: /)
[QGT:16\/HL;P^"KB6W6#D!_,1BP'KDD_6K<^EZ)H=KX-U3P MXRKJ5[?VT;3Q2EI+V)Q^^,G/SC;EB3T('2O1M/T'2-*\K^S],M+4Q1M%&885 M7:C-N91@< MSCUJ&P\+:!I5^]_I^C6%K=OG=-
#;JK<]>0.,T >3W6@:?+\._M%WB"2)VU:TU*_DM;HR-OMRD[%1&<_*,Y/'7)S7HUI8EOB/-JA:/]YHL,.-Z[ML^:[$[N,G.* +%>-S6FN>-5\5:C8Z-;7=EJI^Q6-W+?^2T4<#$
M*Z+L.1YH+]1GBO8V4,I5@"",$'O4-G9VNGVD5I96\5O;1#;'%$@55'H .!0! MYKINO-XCUKX?W\PV7?E:A#=QG@I.D:JX([?,"?H171?"W_DF.@_]>_\ [,:Z M"'0]*M[K[5#IMI'<>;)-YJ0J&\R0 .V<=6
&3WQ5BTL[;3[2.TL[>*WMXAA(MHE"JH] !TH \:%EI<_PJU'Q7>R[?%<;3R-?>81<0W:R,$B'.5&0JA.A!ZAKKI/"V@2ZN-6DT6P;40P87 M)MU,FX=#G'7WZUH)9VT=Y+>);Q+$D@19=-O%7<F>(88-
3LT$WBXK%'=,QM[PB*/]PY3^ M$D$^F5'6O5-6T+2=>@2#5M.M;Z)&W(MQ$'"GU&>E,/AS1#ITVG'2+'[%.P:6 MW^SKY;D $KC&0%4?@/2@#E?AZT-GJFNZ-_8XTF[MS#++-;6UUYUJ-ZD!HN!L
MSM)*D#L:BN--TWQ'\3-9L?$<4=S#9V-N^GVMPW[O8V_S9 O0MN &[J,"NSTK M1=+T.V:WTK3[:RA9MS)!&$#'U..IJ/5O#NC:\(AJVEV=]Y1S&;B%7*YZX)Z4 M >3Z=
FN3^%=,NIYKK2!K6IV]L[2L?/M8TVA^U'PX M9DF:!IVC^#OA]K=E"8M4GO-/26[#MYCQRC#(3GE<' 7 MH !BO6;O1=+O[V"]O-/M9[J ,L4TD09T!&" 3R +RQMB*?<*CL1VQTH \8ELKS6;?
Q7JM_;-]KM;ZYC.HWNHRQ7&GJA(CV!8 MSL &UA@_-GOFO5C#?ZEX",+3I)J-SIFPS1Y"M*T6-PR 0"QSR!4U]X5\/ZEJ M*:C?:+87-XN,3RVZL_'3)(YQVK7H XSP'KNDQ_#C2Y'NX+9=/LT@O%E<(8)
(MU"N'!Z'(/6L.6]TWQEXC\+PWUI+!X>O;"XN;:RNE$:7$RNH7^#O#6HZC_:%[H.FW%YG)FDMD9B?4DCG\:NZGHVF:S9BTU.PMKRW!#".>
M,.H(Z$9Z&@#R._>.RDUC1+2X>/PG'KUC;SE)3L@CD3,T0?/RIO\ +! .!O(X MJUJ.GZ)I'C+7;/03%#$/"5W)+;6[YCCT5[>1CM+_4O"^J^(+N/18-3CNY_,U>ZU&9+JRE64A5"K&=H7"@(#@C'
MK7N3:;8O%:1-9P&.S97ME,8Q"R@JI4=B 2!CL:I3^%?#]UJRZK/HMA+J"D,+ MA[=2^1T.<=1V- 'F?CF>:RUW-A=7$8O+"(^*#9IN$%ON51,,X*N07'0G9DX^ M6O5(8;2WT%
(=/$:V:6V(!&\.;EA&,S<8^?\ MO<<<]J?;65K96<=G:V\4-M&NQ(8U"HJ^@ X H \4L/#.FKX)^'H*DJW]_>V M]O=72S.))871T18'.S QV XK3OETSPQ-XZTV&&YM]+*Z<(K2QF\G$DQ92% M8\(&
(4,?3/>O4ETC34M;2U6PMA!9NKVT0B&V%E! *C^$C)QCUI+C1M,N_M?V MC3[67[8BI<^9$K>EZ,;G2+MIK/3KI MI2X4*4:7*J,YW8(!/7FH=-T*PTWP1P1X"U^UB9-7FO;!);SS&,CI(0K(3GE-IQ MMZ
5ZE8^%?#^F^6;+1;"W,>[:T<"@C<,-SC/(!]JM_V3IPL[:S^PVWV:U9 M&MX?*&R(I]TJ.@([8Z4 >,>*H[74]$\5Z[;:1:LMO/<(-7U/4"+F.6/Y0L"* MGR , %!89[]:Z*TMM,\1^+
[N/Q88ITM])LYK".ZDVIM=6,LJC(&[< "W48%= MQ+X1\.3ZA+?S:%ITEW,"))GME+/D8.3CDD<9K&\0^%+^^OH&L[;0+RPAA6.& MSU6R#K:LO\4;*,X(P"I_NC!% 'FU@\][X?\
"&F6S07VE7FI:EN6_NGCBNF6 M5C$LCA6+9!9@I'S$5,=.6:PM+=)]/*6.FW4DHLI&F3=M9D4+N& MT[1T(/3->EZ-X-T^Q\(0>']2B@U.$,\DQGA!621W+LP4Y ^9CCT&*T;?PYHE
MII;:7;Z391V#,':W6!0C,"""1CDY .?84 <&W@O0$^)T>DI8*--FT=KF>TWM MY4\JS!5>1<_.P#MR<^O6N90WL^E>%="5(+G3&U/4H#;WUT\4,OE2,
(8GN30!Y!J=G=6'ASQ7IHFL+2V2[T[;8Z9=22"RD:=- MVUF1=NX;3M'0@],UT\OAO2-'^(-OINGV20V.I:-="\MU)*3E'CVLP)Y;YFYZ M\UVUOX)KJ)&C2 M8H-ZJV"0#U .!^0H Y'X2VMG;?
#/13:1QH9H%DF*?Q2$8)/OP*X&\MH='\/> M+6TJ*"U>3Q,MG MZC;JER-0:>^NXW4[C+A0""""W)P2*]=TOPUH>B+,NEZ1968G&)?)A5=X]#@< MCVJ&T\&^&;!]]IH&FPOYBR!DMD!#*22<=
<\UV%EHMAX<^*.F0:5";=+W2KAKH!R?/9'BV MN^3\S?,WS'GFNT;1],>SN;-]/MFMKIVDN(C$-LKL(W42-'',4&]5;!(!Z@' X]A0!QGCPVU]K.A:,VFMJES<>=-'9370@M7"* 6 ME^5BV-PPH![DUP#
(R>&/%^DQM;VL$.N:?&D.G7#/%;EGAWB-B 1SG/ P%?>RK@A3TW$U MTWPWCN+:RU>SDN;*2WM[]D@@L[B29+3Y5+1!W5<@$D@#.-V.U=/JNBZ7KELM
MOJNGVU["K;E2>,.%/J,]#4UAI]GI=G'9V%K#:VT8PD4*!%7Z 4 >3WUC=>(/ M&GBL7^G:/?"QD2.(:E?R0&U@\L,'C"HP4$ECO!!R/:J^J7.JVWA;PKJ.D:@; M_P
8/:2Q1R6JF07=J%)9V#A2=N8CE^.=U>IZKX8T'7)XY]5T>QO9HQA'G@ M5V ZXR1T]JN1Z;8Q7HO([.!+H0B 3+& PC!R$SUVY[=* /,DM-#O9? VD13- M<^&KV"YG;SG.+RY 4@3?
WFR9"5/<$8XQ4EY;Z+I^J:+IVA7,SV\'BA%FM\DQ M6SFVD)CC.,;>A*@G!)Z=*[^?PWH=SI\FGS:1926!H%V&0G)?&/O9[]:
M?;Z#I%I:VMM;Z9:106DGFV\:0J%B?!&Y1CAL$\]>30!XS+:0Z5X5U2'2H;:W M2Y\7/8WO[XPK]F$K[4=U!*(3M7..C'UJ]?6^K^&&\0KI,>DZ7)_84LS:=I=U M+*0P8!9PIC54(!89SD\=<5ZO_P
(]HOF7TG]E66_4 !>'R%_TC']_CYNIZT: M3X>T;0HY8])TNTLEE.9!!$$W^F<=: /.KC0O#.D^(O ,^AF));FZ9LQRDFY3 M[.Y\U^?F;)'S'GYC74?$.XMETC3[&XM[BZ:_U"*"*UBN! D[I6
M<%W;,03%/&'7(Z'![T >+S0-I=QX\TR.ST[3HO\ A&6FDL--N&EBCD_>#)RJ MX?:1G '&*W8=,T?1)_ M[X<9?M]_<)'-')'(6:\MS"QE:3GYL$*2BSTR7X37?BRYEV^+$:61K[S#]HCNQ(0L0YR!G"
[.F.U=?H>H M);>+?'$NH31P,D-G-(('; 0?9_F//;((KJ&\+: ^L#5WT6P;40V[[2;=?,?W?W MLXZ^_6GW_AO1-4OX+^_TBRNKN#'E330*SK@Y&"1V/- 'E/AO3=.NKCX67-Y; MQ22MIMQ^\DZED"-
'SZ@EB/K77_%.PLKW1-)-[!%(B:Q9J3(. K2J&_ C@UU$ MGAW19K>RMY-*LFAL6#VJ&!<0,.A08^7*M7^G66JV4EEJ%I#=6LF-\,R!U;! MR,@^] 'F]KX2T/6_&GC9=0LDN(H!:1V\;,=L0^RK\R@'
;I\W48XKGK.74_$ M0\$V%Y!9:E;RZ%]H2WU.Z>**XG#!23A6\QU3!P1_$37L]KI=A8^;]DLH(/-5 M%D\N,+O"]J%4''7"@ >@%5;KPUH=]I<.F76D64MC!CR;=X%*1XZ;1CC* .>^
M&\5Q;6>L6;W%D]M;W[)!;V=Q),EI\JEH@[JN0"2<#.-V.U=M5:PT^STNSCL] M/M8;6VC^Y%"@15^@%6: "BBB@ HHHH **** "BBB@ HHHH **** "BBB@ HH MHH **** "BBB@ HHHH ****
"BBB@ HHHH **** "LOQ)K'_C_ (:U+6/(M^T?8K=Y_*W[-^T9QG!Q]<&M2N7^(_P#R3;Q'_P!@^;_T$T 0VGB[4TU+2H=9 MT-+"TUN/#IATL$P6Q2[#R MW%QYOE*BIM&
6S\Q/&#Q5FRT;Q'K=WH$^O-IT=EI;"Z0VLCL]U+Y9568%0(P M Q. 6Y[XIL/@:_X5O!X>DNX(M1MK@W4$Z O&L@N#,F00"1R ?QH MQ^+]1T M_4XK'Q'HJ63W-
O+/:O9W7VA9#&NYXSE5(<+R.H.#S4?A?QEJ7B*2RG_LBT.F MWJ%UN+/4!.UL=NX+,NU=I/3@G!X/K2#0O$NM:[8ZGK,FGZ>=-AF%HEC(TY:: M1-GF,750
!G"X/7DUF:;X(U8^)=)U2\L=#T^XL7+W-]IC,LM_E2NUDV*J@DA MCDMTXH EM_B+JU# MQQ=_VSJ%AHVFV=VNFE5N9+K4!;[Y"H;RXAM;<0".3@9.*Y3PQH_B/Q)\.(]$
M+:='HMY/.LEUYC_:$A%P^Y FW:2<$!MW /3(K:U#P)=V^O:K>Z=HWAS5(=2< M2C^U8_GM9-H4X.QMZ':#MRO.: -%/'CZQ_94/AK3EOKJ_LOMQ%U/Y"6\6[;\ MY"L2V[*X /0\XK-
U'Q+XEG\1>$8X](:Q,]WJ6%]/<2Q2%HX5CE1D\N-@I)V@\%AD\YQ0!T/B77T\.Z8ES]F M>ZN)YX[:UMD8*9I7.%7)X ZDGL :PY?%FMV]QW,! M2YOHTGDE:\>X:XRH/F-N V$DGY1D#U-3CQW_
,4K/J9TW&I1:@=,_L[S^3<> M:$"A]O0@AL[>AK9*:3/H7A+2=)N7C>>SM8X)&B)*EE4 XR G6NK_ M !ANKC3[V*YTJT2.^NHXF#(E_M>%02.-VP$D=00/6@#8G\9ZM,^JW.C>'TOM M-
TJ9X+B9[SRI)7C_-8(DV$-MY')7)&!6CI/BZWUG7H;"T@+6TVDPZI%ZD=9+1I>7&P*1(22O M*]<&DB\(ZSX(XC8LL@*JV>6.1Q]: .D\-:[_P MD.FS7?V;[/Y5W/;;-^_/ER,F[.!UVYQVSWKF8?
%L.F+JZVFFW%Q?S:^^GV]L MUT6$\WEHQ;<1^[0+DD '&.^:V_!FB7GAOP]):G6'(0AY&?.#T MX/(YQZGK7&Z/I$WB&/6-3T6[MOM5EXIEO+*60EH9@(D1E++GY2"PR,X(H V- M5\6W,6E^(-
+\0:1]FO;;29;Y4M+TE+F$ AMDNU61@<_+QD$9J<>+=5DU;^P M]$T&.ZFAT^WNS+(O[;O\ 5&T^UO;K M1Y=+LK:"5Y(XQ)RSNY4$DD+T7@#O6UHGAV[TWQ/=:G-) T,VFVMHJHQ+!XM^
MXG(QCYACG\J ,NR\5VVO7W@V\-A<0RW[WBA/M) @>-&5PR@8DY4@9QCK56S^ M(^J7&BV'B";PTD&AW-PEN\OV[=,A:3R]X38 5W<=0>^*L:)X)U+39/"S33VK M#2;F_EGV,QW"U^VP30R-
)N;RR$N!*<' M;G[HQTZ_G0!:O/&6J-=:N^CZ"E_I^D.T5U,]WY3R2*H9UB3:=Q4$=2N3P*WM M$UD:QX7L-;: PB[MNC&W;-RAMN<#.,]<"O.=6U1O#TWC"UTS7-&@@FEDN+
MB+4&>.YMY7C&[RDQB4-P5Y')(YKO?!5K-9^!- M;F,QS1:= DB,,%6$:@@B@ M#D_"OARW\;^&X/$GB&XOKB^U'=-$L5Y+$EHA8[$C5& & !R2.V>5O(#1I\Q>5_F^ZI4$@$L<<((-
&UG0(;:6:SGNTFM[WS8R(]OR\HIW?-SV'&,YXPO$/AVY M%AJ_B;Q)?VMA?-):&U:V5YH;+R9-T9%=&\ZV^T:1GZ1X9O8M0N9+F&]U&#=/:&0Y8%?+82 $DKEAZ&@#9U/XC66D2037EI
M)_9M]8K=:;=1,7-VY /D[,?*YW*0,G.3TQ74Z;<7=SIEO<7]HMG=21AY;=9? M,\HG^'=@9(^E5]?U>\N)(;+S6\H MM&N6S*_/W44'+ 9/'&:KV.A^+?"J7&F^'AI%YI+2O+:+++>RR126N]BQ0[58.@)
M..AYQ33X,UNVM-)U"'58[[Q!87^:DN/&'B*UO-*TZ;P MM"NI:HT_DQ?VB"D:1JC;I&"(/$=W!8]FTL%)P#\PRI''(K-A^'NIN MOB8-%HVG0ZQI0LH;:P5@ENXWXS\HW#YLEL
]L<9(!;B\3II>IQW>MVCP7%OX M=:]G>*\:5-BR ;0I50SG@[N#SCWJ];^,-7M[G2FUS0$L+'595@MY8[SS7BD8 M$HLJ;!MW8QE2V#P:HR^!]4UQG.MO90"?
0'TJ46DC/MD,FY77EW,=V\MI([R7YDBAYP#S7 M4Z]ITNJ>&=3TR!D6:ZLY;=&V.AZ)H*7,QTBW MOQ):S="\,7NF>(XM1FE@:%-$MM.*HQ+>9&S%CR/N_,,=_:KOA'1+G0-%EL[MJ2)Y'O+FX!B)
(VR2LZCD#G##/O0!P.DZ]J7A_P ;^(-3OKJ2;P[<:RVGSAV) M%E)LC,<@ST1BY4] /E-;VCZO?65WXUGAM+G4YHM72*WM4?\ O11#&3PJ@DDG ML,FM;2_"82#Q/::LL%Q::S?R7 C4D_NFC1,-
D##94],]N:Y*U^&FNV?A35M* M;5+>\DGU2*ZC\Z1U%U;QA%$4Q R,J@!QG]: -R+QGJSZEJ&B7&F6$>J1Z<][[M;FUU'S8V"L%*L?
+!1@6!^Z0:R_"VOW,UEX%EUN%VNKNTN)%NA?,P*+"K%Y%V M@,6R>#]W&03FK>C>"+^U\5+JQT_0]*LVTV:Q-EIV24+,C!RVQ0Y.T@\#&!US M2:)X*UF&'PM!JK:?Y6BP7-
I)]GEW^BPV6HZ;)8Q:[;W]Q+,X++'=V\LI9HY&"YR%VX.#AE] M.: /1J\G\3ZC>Z5\8K;4UNYAI]G:VB7<&\^7Y<\LL1KPW<$26UM.L=K(BL#(I16.=W4@G&1Q^(-8NK>#9-8U_7+BYDA^PZEHZ:>
M"=Z.&D.[&,8&\$<]10!SGC/4;VY^)/AZ*UNIHK+3M1MK>=(W*B66<.Y5L==J M1H>?^>E;.O\ CC5]$@U#46\/P+I=C(RLUU?^3/.J]7BCV$$=<98%L=JKV?@? M5UTC1!?7EK-
JL.MKJNHS!FVRX5EPGRY)"[,X^[61?\ PVUB[L]=LC9Z!/=: MA).\>MW9=[D(Y)5-I0[<#YM%J=\+;)(\I<*VYP0 ML:D%@GTSP_K-H;2.*.._+1M9R!<,4=8RS*3S_":CN?!FLQZ3
MI>FS0Z/XDL[:Q6WDAU4&-DE'65) CM@C P>?E&#UH WKKQ#K/]GZ:]IX=<7E MVC/,EY<"**SVXR)) K*RK?XC>9HUS-)I:OJD.I+I:6EM="2.>=@" MNV7 &W!R21Q@\5E?*[U6VL?
#T,J:;KL.G0S1RZ?J$SI &=]RLA*OG8/D&X= M/2I+7X>:O;V5\ZS:5!>C6(=6L$MT98$9(PAB9< A<;ER.> MZM9;JT>&\\[=Y>W]4=9\/>+/$^CZI!J%QI]I]HC@CMK*&5I(ME*2J[2/(4#%B!@ #
6MO5M N-1\6Z/JBR1+:V=M=PS*2=Y,HC V\8XV'.2. MW6@"FGC;=X2\/Z[&?C^U[BU@\CSO\ 5>,7X6\^5@K2+#MQM'498$@9K,MO!OBT:+H&@SRZ0MAHM];3BX M220R7,
<4@(&W;A#M]SD@=!S2^(_NMZ_6L>X$*%1 M/F91P#O /&: -?4/&]V-9U&PT;3;.[&FE5N9+K4!;[Y"H;RXQM;<0",DX&3B MLL>+]5UGQ?X8G8T2W272 72K_39[@1379BW$-&&W@(WS)G &3G)Z8Y?
J'@6\@U_5 M;ZPT?P[JT>IN)LZLG[RVEVA201&V]#@';\O.:OQ>%-6T[5?"UY92:=-_9UM+ M:WJF/[.K+(R%GB2-=H(*GY>!SUH P=!\=ZOIW@VTNM5MK:6ZOM5GM+>:XU#9 M'GS)2?,&]/UJ;3H-
)L[J^FCDM=-661K2VV@!CNV@Y89)PH&0* .QO[K":RN1(89 MEVOY9Z=X+TBX^(NN:3(^IM96ME:RPQ_VI,+ ZM!K'"V=V\;>&9-54K,?] M4&1MGE="_/WL^W>M6Q\.7=M<^+)'E@(U>;S(,,?
E'D+'\W''*GIGBLG2_!6L M:>VF/'?VL$]GX;_LD3(#)MGRA#A67#)\IZX/M0!H^&?%6IZ[-;M-I5F+&ZA, ML=W8:@+E8CP=DORKM8@]LC(-)XJGEB\5^#4CE=$EU"59%%5B X^SR'!]>0#63 MH?
@K4H?%VGZU)8M-NY)Y@Y(+*T+H N!URPZXXH YIOB<_V&36TTRV;P]'*4,_V\"Y:,-M, MHAV_=SDXW;B.<52U+Q#XGBUGQZMK# UO9:%%);;XCR04D(=5\L@L1EB/55&
M3G(CMOAMJ&G6/]BVFE>%Y+99CY6K7-JLERD);=M:-HRKN =H);'3BM^]*:I M+KWB-[=[[(:;K>FK:LS,PE@=(W1<*%P5. /4=* *=GXTU*VTKP_IIL;6;6[O3 MUNI/M&H;(DA
$CR%,EF)'RA3SGGC)DE^)+)HRSQ:,9]2&J)I4ME'=*0)7&5 M99,893\O.!U/I5%_VKR#1=2NM-\/ZAJ%C8?V=/9719X)8U(*.CM&2KC!_A(MPQ&:N0>"-2_L_3PZ:/:SQ:W%J4D%C
(HHXDR/+4J@+M_M,!G/8"@#K;6_N8M M!-_K=M%8S11O)<113>:L:KDY#8&>!GIWQ7G^M>)]?U2T\+WKZ,;#3+6_;6;)H9 MH[S=+Y;2 @2H% 4,O8,WH:])U"RBU+3;JPGSY-S\+XZ[6!!_0UP?
_"+^,)[M'0-'N9=(%CHU[:S&Y223S;J.%A@;-N$$;;-GDY([" @"S>_$*Y6;59M.TNUN=/ MTJ5X;B26_6*5D_UGE1[3NV\CDKDC IEMXDU2_\ B5;"SC6;0Y]#6\C N""R
M,P/F>7LY?.%VYZGZ1X9OHM0N9+F*]U*'=/:-(M+K3+FS2#^QCI4TF#$\)SE98T1=O7^'Y0.U $9\=:K9 MWFE'5=!M[*TU.ZCMHT-^&NHC(<(9(M@ YQD!CC-95YJGG75L+1;BVV>-1;3;
MKEG\W$9)QTVJ>/DY Q5:T^'&KQVVB0KIGARRFTV]MKFXO87>2>^\MP6)8Q@K MGD\ELG X'-;G_"$ZE]H\SS[7'_"4?VS]YO\ 4[-NW[OW\NGO0 ^P\=W^JZE
M.MAHUO<64%ZUG,J7X^V1[7V&1H-O"YYQNSCFM+XB7^H:7X UJ\TP[;J*V=A) MYFPQC'+*<')'4#CZBN:UCP)K>LWI6YM]$\];L30Z_'NBO8XP^X+L5 "P'RYW MXQSC-
=KXJT>3Q!X4U72(9$BEO+5X4=\[58C SCMF@#BO[7\2)\0+**WTR*>\ MF\/J\EN]^1;Q'SS\Y?9DDC X3//H,UI?\+&!T2SF&F!=8NKZ73Q8R7*JB31% MO,+2XQL 4G.,G(XJ]HVA:PGB>WUO5/L,;KI
L9(K:5W D$I8$%E'R[<>^<_6 ML*Z^'5Y+:+,1IEU>6^M7>HPV]VI>WFBG9LQOE>&P0<@'!'>@#I/#GBI]7U*] MTF^MH+;4K1$E(MKD3Q2QOD!D?"GJI!! Q[YK-O\
6=8MOBM;602+^R%TF6>3 M==%0)$W2E=ARR] ,]"3D=#<\)^'KO2[Z^OKO3M%TT3JD<-II<"X11DDO+L5 MG).., #%&L^'=0O/&-GJMM]EDLGL)=.O8YG9'$;LK;DP""?EQ@XH R;?XERO
M;6FKSZ7;1:%=3)&DPOU:Y178*DCP[]@T?Q?:-+;F36;JYFMR&;"+)"J+OXX.5.<9XH R MX_B!KC'1G;PJHBUQ,Z>!?@ONV;QYHV81=N3D%B .F>*DF^(LUAI.H/J.E16^ MI6.H1:?)#]K'D;I K)
(9BHVIALDEV__ !(QBY^9OG_T=HOD MXY^8YYQQ^55KKPMK2W/B.YL9M.8ZE?07"6]TF^.:)(D1XI,J=N2IY7../<4 M;?A[5]2U,7"ZCIL-J8MICGM;D3P7"L#RC;5/&,$$>G6H=(O"-
J/C#^UQIVD:S:FU6"*VU21E6T<,2710CALY&> M >!S0 R+XD37>EZ)/9:&9[S4[R>R^SB[4+%)$'R=^TADRG4#IS@]#/\ \)- M8V6N#6-(\C4M*D@C-M;7'FK<--Q%L8JO4\'(XQ5+0?

>JZ6=!%Q<6#_V=JMW M>2&$,@=)4<*%7'!!?[N< #J:MZQX'O-5O_$MPMW!"U^;&6R?EC%+;DL"XP." M<=">,T 5DU/7Y_B;X>MM7TY-/!LKQ]MO>&:*7_58!^5?F7Z8^88/)KT*N,M-
M(\47_C+2];UE=*M[>QMIX?L]I-)(S-)L^?+(O!V].V.ISQV= !1110 4444 M%%%% !1110 4444 %%%% !1110 4444 %%%% !1110 4444 %%%% !1110 4 M444 %%%% !1110 4V2-
)8VCD171AAE89!'N*=7,_$2>]MOA[KDVG-(MRMJQ# M1?>5>-Q'N%W&@#HHY8G+)%(C%#M8*0=OL?2E6:)Y&C61&=/O*&!(^HKS/5+3 MPKHUDDWA!8X=;DTFZ-B--P?/41;@TNW[V"%
(9OXC[UG/9^'+'0?!NH>&A:C6 MI[VT5)[<@SW*L1YXE(^9AMW%MW0CM0!ZX9XE=4:5 S'"@L,D^U*\L<94/(JE MCA0QQD^@KQBX\.Z3<^!?'^L3V44NI0:CJ+V]TXS) 4PSR"4
MQ@<_,*\U\'PVUQ:_#B!E$]K)%JJ%91N$B'(^8'KD=@KQ,6^AO\)[_ %J]\@>+UDF9[HD?;$OA(0B*?O#D* HXQVKH],\.:;XB M\<^+6U_3H+R5(+)=DZ[EC9H/G*@\!N!R.>.M 'I4LT4*;Y9$C7.,NP
IX.1D M5X?IUJ=9T+P:[7.D7VH1Z0^W3==C9H98]X!='P0)!M Z$X/:O1?AS>6MWX.A M6SLFLX;>>:W\G[09T4K(0?+D_B3.<>W':@#IVGA258WE19'^ZI8 GZ"HU2SL M5D*+!;JS;WP @+'N?
<^M>'^*38:EX?\ %VKPZ7HT:I@# MU-G1!EF51C.2<<5E:_X@@T'1?[4:,W$1FAB C8<^9(J Y]BV?PKR6QCTR\E\ M&VVK2+)H?]JZG%8_:'RDL SY*L3]Y> #P0%%6-9CM;:#Q=9Z.(UT6+4M*,<
M<&/)CN#,GFJ@' _Y9D@=": /7;:ZENI[Z&>R:&*&01H[NK"=2H)8 =!DD8/I M4MFEI';+'9+ L"Y"K %'K@#BO(M;<"[\2Q7#M'IDWBBRBU%MQ4"W,,6X,>R MD[0?8UH^)6\&>'K378M-
MW5YK*!;JSTR400$/*$0LRC;&QS@GKLSP: /3#=P MF&62.1)?*!+!&!QCM5'P]KMOXAT.PU*)?*-Y;K.(&8%E5O6O,+*W72_B5I=O M%9>'].DFTR[$UMHK$Y0*I3S3M4$Y!QQV-
9^E67A^U^&'A74M$%M_PDK7-HL, MT9!N))3(HEC8_>*A-X*G@ "@#U[1==BUE]55(6B_L^^DLG+$'<5526'H/F_2 MM..6.9 \4BNAZ,IR*\3UI[G[!JL"F 6-QXT>.\^TNRPLGE(564KR$+A0>W0'
MK73^"[)M/\>ZA!%+H=M$U@CSZ=HXD\I7WX20Y4(K%=PP#DC!QWH ZZ_O='3Q M-IFG75K%+J-S'++;R-$K;%CVY^8\CEQC'O6OYT7G>3YB>;C.S<,X]<5P7B>Q
MTQOBOX5N;FULVG:TN_+DF1">X)..XR<5QOV?1/^%1'6SY/_"8>9O^ MU9'VW[?YF-F?O=>-O3;VQ0![B6"C+$ >IH) (!(!/3WK)\1:*OB/PM?:3<$(MUU;E P_@DQE6'T8 _A7F]IK&J^+K6]UF".1;_P
/Z'- B ?,-2="),#U4(/ M^NE 'K?F0S-)!OC=@,/'D' /J*CM;6RL8F6TM[>WCSEA$@09]\5Y.]GXV@2> @SW(8CSQ*1\S#;O+;NA':HK[4[&U^%/CRVGNX8[C^T MM1C\IG ?<\I*C'7D$'Z4 >Q-+&A :1%)
(!.,D]!3B0,9(&>!FO.--T'3-9^ M*.K3ZC:1W+66GZ?))!E4<^8=P'3(VC!^OK6A\2K.'4(?#%G<*6@FUZW2102 M-RE),J<=B.#[&@#L_M5OY0E\^+RR=H?>,9],TZ26.%"\LBH@ZLQP*\MMO!WA
MV;QCXRL9-(M#96]I;206OECR87DC?>Z)]U6.Q?F SQ5#PRMEK-_X3M_$_DW5 ME_PC,4MG%>X:*2?=B0X;AG";.N2 2: /8]RG&&'S5V2,:6@N*T/&6CZ9J'Q \%M>:?:W#237*.9H5+#2(+7X=^*]?
L[)DRQ0?:2) A_A 3>>.Y)KH)['P[I/BSP>?",=E#<7,KI,MB1B:T\ MIBS2;?O88(0SDB:(R",2IO89"[ADCUQ1'+'*"8Y%< X)4YP?2O#+3P MWI3?#/PWJ7V11J-SK,,4EXI(F,;W+1L@<%[-+C>FS2S+(]_
8SN63Y M<,.C;G[CKDUEV>CZ-/X2T2QCM;5/-\7M%=QP@(S*)+@*K[><;> #VZ4 >Y1R MQS+NBD5USC*G(S0DT4C.L"%-@ '!!- 'M2WD/V6&XED2)95##>P'4 M9Q5CK7D^IBQU?Q+3'F;9I
JH&.3A5X'7 H Z#Q;XC3PGX:NM9DM9+I8#&O MDQ$!G+NJ#&?=J0>*;$^"AXI&XV9L_M84?>QMSL_WL\?6LGXI_P#(@77_ %]6 M?_I3%7-6L;#7C\/-I\B'5CJ.,?+]AXG5?IYQ"?04 =[X9\1P>
(_"]IKHA:TB MN%9O+F893#%>3T[5L++&Z*ZNK(W1@<@UXCHCVMYX7\%:0^F6FH74D=Y<11:E M<>79@+*06==K>8PSP,<JG-9E[KT5EXATG2#$SR:B)RLBL,1^4H8Y'OFN+\16^ ME_#35-
-\1Z?8Q6NE"":QO88%P.098FQZ[U*Y_P"FE4K2PE\/ZIX)EU .;V2' M4[Z^*#+&:2-9'QZD9VCZ"@#U,3PF8PB5#*!DIN&X#Z4-/$A4/*BEFV@%@,GT M^M>"RK:Q:5X6UBTT[1-
/%SJEK);SBY,^I3!I1N,CA1R03N!+#M71?\(WH^K6 MGQ'OM0L(;FYAO+A89)5W&';;HP*9^ZOVES<10M$(+R>T(8YR8W*$_0XS7GFD1Z=KGB/3$\6+;W47_"-6DUDE M]AHW9@?/VL=
M._X6"UG#!:3_ -I6J7,ENH29+-Q 9B"/F"G+$_4FND^Q:%I/Q#\+1^%(K.W- MS%<"]CL-H22V$>4>0+P?GVX8\G)YH Z#QOXUMO!&GV=Y=6*[3PEX9FUN>)[F--H2*(C=(2>Q^F3] :Q?
B':PW^H>$K.X0 M/!/JIBD4_P 2M;R@C\C7W]QK/A:^T2\+._A/1[]+MB.'G$QVFHP7.E6M^[+!'<1)*!(P&-P! S^-67ECCC,CR*L8&2S' _.O)9A9ZK MJ>FV/]DZ5>W-
GH5M)))KEQBVB1QUCBVMN;CEN, 9K&T>WAU7P=X6 M'4[X6=EJ,3O8W2AF 7OMV@Y3.?H: /=/-C\KS=Z^7C.[/&/7-"2))&)(W5T/ M(93D'\:\8VZ?J'A=M)6/3M&EM?$ 3[+,[76FW,WE[O*R L9SG;P
PQC-!U' M3K#0_$&C76@V]O*U_9Q36^F7Y6QF>4_+\VT>4IV?.,<@CUH]EBGBG!,,J2 M'!*,#@_A0)HF=XUD1G3[RAAD?45XQ MWI'C;5K?2?2[71+*_/AFYD6TT3)3S59 M?++<*"_)Q\H.#
[UO>'[+P3::?X1OK0QKJMQM$4]H09[F1HR9/.(^9EZEMW0@ M=* .U\-^(;?Q'H5CJ<2^0;N+S5@=P7 R1_2M?IV.G6GQ,BO+N&"474K^7(X#$ M-:QA2!U.2,#UH]+DGAB56DE1
QPI9@,_2G22)$A>1U1!U9C@"O&!ID6H1^' MY(CH6HW,7ANT$FE:VC*JQE<^9"^" QZ$X.-HR14'VK^W9?!<$5E8II#:?.;: MSUNX:2!YTD"8+ 'S"%!*9&,$D4
>NZUKMGH6G1WUT6:*2:*%/+P26D<(O?IE MAGVHM==L[S7K_1XBQN;**&64G&TB3=M .>3\AS]17C][IUH/"&J173Z1R+21B5$:10-IR!N(]JU;O3/#EMXF\<@-::6IT:V,%W;0 O M"C)*'>,
(,D8"YV]@* /6XYHIMWE2H^TX;:P.#Z&GUY3X1C@T7QGI=E)I.AI/ M>64JP7V@S%8Y8U"MF:+'?C#9/)QWKU"UN[:_MDN;.XBN('SMEA<.K8.#@C@\ M@B@":BBB@ HHHH **** "BBB@ HHHH
**** "BBB@ HHHH **** "BBB@ HH MHH **** "BBB@ HHHH **** "BBB@ HHHH **** "BBB@ HHHH **** "BBB@ HHHH **** "BBB M@ HHHH **** "BBB@ HHHH **** "@@$8/(HHH
H6&AZ1I4LLNG:796WMTC+_4J!FDM=!T>ROY+ZTTFQM[R7/F7$5NBR-GKE@,FM"B@"M_9UE]FGMO ML=OY%P6::+REVR%OO%AC!)[YZU#>Z)I.I& W^EV5T;V\
<9[XZU'#HFE6\QFATRRCE,IG+I H8 MR$$;\@?>P2,]>35ZB@#/;0='?5!J;Z38MJ Z71MT,H_X'C/ZU;2UMXIYIXX(MDFFQYLBH TF!@;CWP.!FI:* ,VY\/:)>V4-E=:/I\]I#_JH);9&2/_=4C _"
MKT%O#:P)!;PQPPQC:D<:A54>@ X%244 9C^'=#DOI+Z31M/>\E4K).UJAD<$ M8(+8R01Q65)X)TVZ\37.I7UI97=G)906L5G-;*ZQ&-G(8 \='P,#C%=110!S MNL^%+;6-7T2XE2W-
EIHG5[22$,DJR1[N.@ ^E:L6CZ9!IZV$6G6D=DA#+;I M HC!!R"%QC((!^M7:* *YL+,K_K6A10!7OEO&L9AI\D,=V5/E-.A9 W;< 02/H:S?"^@GP_I3P2SK< M7ES<27=W.J;!+-(V6(7L.@] *VJ*
,^UT'1[*_DO[32;&"\DSON(K=%D;/7 M+ 9--G\/:)AY//O4M% $(M+9 M9IIEMXA+. LKA!ND S@,>X&3U]:JW.A:1>V$5A=:58SV<6/+MY;=&C3'3"D8 M%:%% $$=E:PV8LX[:%+4)L$"Q@)M]-
O3'M2BSM5LA9BVA%J$\L0!!L"8QMV] M,8XQ4U% %'3=%TK1D=-+TVSL5D.7%M L08^IV@9JS);0330S2P1O+"28G9 6 MC)&#M/;(XXJ6B@"&&UM[:-HX((HHW9G940*&9CEB0.Y)R?
6JNGZ%I&DRRRZ; MI5C9R2_ZQ[>W2,O]2H&:T** *HTVP6UBM5LK86\3B2.(1+L1@=P8#& <\Y]: ME%M MTUT((Q<,@C:4(-Y4$D*3UP"3Q[U+10!0O\ 0](U61TNRO'0;5:XM
MTD*CT!8'%36>GV6G6_V>QL[>UASGRX(E1<_0#%6:* ,ZPT#1M+N)+C3])L;2 M>7_626]ND;/]2 ":>FB:5'']%@U-M2ATBPCOV)+726R"4D]&\N](L)[HH M8S-+;(SE2,%=Q&<8XQ6C10!G7>@:-
J%S#<7FDV%S/ (I)K9':,#H%)&1^%, MN- T^>2Q98(X5LKDW4:11JH,A# D\>K$G&,GKGFM2B@"*YM;>\A,-U!%/$2" M4E0,I(((.#Z$ _A2?9+87AO!;Q?:C'Y1FV#>4SG;NZXSSBIJ* ,VY\/:)>64
M5E=:/I\]K"2T4$ELC(A/)(4C _"I5T?2T5E73;-59D8@0* 2F-AZ=5P,>F.* MNT4 <[XD\/WGB*ZLK62[MTT6.6.>ZMS"6EG:-MRKNS@+D+GC/'7FMU[:WEN(MKB2"-YH=WE2,@+)G@[3U&>^*EHH
RH?#&@6[RO#H>FQM,0TI2TC!<@A@3@<\ M@'ZBKRV-HJ7"+:PA;DEIP(QB4D8);^\2 !SV%3T4 4+S0](U"UAM;W2[*YMX M,>3%-;HZ1X&!M!&!QZ59MK2VLXS':V\4$98N5B0*"Q.2<#N34U%
%3^R]/\ MMTM]]AMOMDZ;Y7V'2[*U\H, M(_(MT38&QNQ@<9P,^N!26NA:197TM]::58P74NQ2#D$+C P>?K4-SH6D7M\E]=:58SWB#:MQ+HTBCT# M$9%:%% &;>>'M$U&"*W\"&^T?3W 6%)
[9'6(#@!01P.!TJ:[TC3=0L5L;W3[M2YM%QM@FA5XQCIA2,<5J3WUMITLVG627MVN/+MWF$0?D _,0<8&3T[4 7**X*Q\:^ M*;_6=1TN+P=;BXTYHEN"RDM=1EL(UEG M7,Q3;\R@XZ[NG-
'0451%]-_;4UDUO&MM';+,+CSUW%BS J4Z@ '=T.<=JE ML]1L=0#FRO;>Y"'"#F&57VGT.#Q0!9HK'U#718^)=&T?[/O.I+.WF[\>7Y2JW M3'.=WJ,5?74;%[UK);VW:[49: 2J9 /]W.: +-
*%_$'1K*+Q$[N6_L,#SE M5TW2DH&P@SS]X+SWR*WFUC3H["*]FOK:&VE VRR3*%)/8$G!H NT5!+>VL,* MS2W,,<3C*N\@"D8SD'Z GZ5)#-%H(ZT /HKG]5\665A M=Z;;6[P7DEWJ"6,BQ3KF*
*LKME@,_W,8XZUK/J5C'>K9/>VRW;C*P-*H<_1=*J;CZ#)YI;N_L["$37EW!;1$X#S2!%SZ9- M%BBFQR)-&LD3J\;#*LIR"/4&JTVJZ=;R+'-?VL;NYC57F4$M_=)Z\CCWH M MT57O+^ST^,27MW!;*
*(QVAII @)],DUFZUXGT[0I-+2ZE7_B97(MXF#J ,J6WD MD_=PO4=R/6@#:HI"0!DG '>JL&JZ=.965/\ >(/'XT 6 MZ*JC4]/,,\POK;RK=MLS^:N(SZ,<\'ZU)!=VUU;"YM[B*: C(EC<,I'U'% $ MU%4K?*
5],NXYGMM1M)DA&96CG5@@_VL'C\:I:#XHTW7O#D6N0S)!:."6,TB@Q MX./G.<]#U[T ;5%16UU;WD"SVL\4\+?=DB<,I^A'%1WFHV.G(KWU[;VJL< M9Y50$^V30!9HIJ.DL:R1LKHPRK*

```
.!F@"M%XUNW\!:!X@-K!Y^I7%K%)%D[4$L@0D M=^ >*FT;7_$&M>*=3M8K33HM(TR^:UFE=G,TG[M6&P#@8+#.>QXZ@#.\5:_K6GZ[HFC:':V4USJ:W!\R\9@D7E!#D[>2,,
M1CUQ7/7OQ(O$U#4;2*^\,VDFED0S1ZA>&-[J8*"XC&1M0$[0S Y(Z<5V6HZ$ M]]XJT361.J+IL=RC1%"-526PU6+ M6H[G7;,=\T 9$GCB#6](,5U;Z9?W%CK=E;.
M]K.9+=_,D4I+&P.IR"3T&,U9D\&ZG>Z8(]1U:&2[;4[>_;R;?9#$L3JPCC7.(A@,D'&", C/J* +6FZUJ6M M_$S2[RSFA&DW>@"[2&0ON"/(F> <;\X&?04_XHVM[J$OABQCCL9K.XU9$DAN
MU9ED<1R,H<#@IP21Z@5KV_@^;2O$.C7VD74,=G8Z<-,E@GC+,T(8,"K C#97 MN"*TM>T-]9NM$F6=8AINH+>,"N=X$;IM'I]_.?:@#E;;QCJUI%KEXVGZ;!X=
M\/2SVL@C+B:3RD!41K]T#E1SZ]L#86T;Q)I=]/YMOK=W/.Q1=IC615&/J-N)XM#N_$*:7ICZ9 M9:B]F\'FN)IP)_*#*?NKR1PG%=%H^NZX/%TN@:Y;Z>'>Q^W02V3/@*'"
M,C;NIR1R,9]*K2>!I7\$WOA_[<@>YOVO!-Y9PH-R)MN,^@QFMIM"<^-H_$'G MKL73FLO)V\Y,BONS^&,4 1WVNSZ?XPTO2IH8_L6I02B*;G<)TPVP]L%-Q'NI MKGHO'.J:FUG;Z596AN-
4O+I+"2=F$8M8,!IGQR26Z 8SDZ'&8;8SQ%XY(F0 M*R. 0>=JG(.010!F7OCK5M'L=:M]2LK,ZMICVC PLWDSQ3RA X!^92/F!!)Y M Y.:Z2\UR:V\::7HBQ1F&\M+BX:0YW*8S& !VP=Y_*L&Y\
W>K:=KKZKJL9U M;5E@436\!$5L(6WQJJDDD;LDY/.>U7+#PWKLGBRR\0:WJEE+);6LML+>TMV1 M '*'=EF)S\ISVZ8[D@%OQ)KU]8:EI6C:1;V\NI:D9"CW+$10QQ@%W8+R?O*
M!C)/48KBO&WB'7)_!?BS1;R.R@U*QMXWFE@9_+GMI3FNW\ M1^'[K4K[3-6TN\BM=4TUI/):;,R12)( '1P"#@X4Y!X(K%N_ =]JND^(O[2U M.!]6UJ*.!I88"L-O'&G#0_#T-I%8V<+1(S?9[!/
M+B+9)^4'U]^]<6GQ"U.UU?1[?4)O#KMJ%W':R:=9W9DNK0OP"Q!*MM. < >U M>@:E9?VCI5W8F5X1

XSFN#MOA]K"V.AV,NH:3!:Z/=V]PBV M=B8VN3$>LA+'!(ST'4Y]J .H\8Z]-X:\-7&J06ZS/&R+\^[9&&<*9'V@G:H. M3@=JY2]\475_X$\2W-\FAZQ8P61D2;3[@F*;(.Z-TW%D(P._.>V*[?7;&^U#
M3&ATW46L+Q722.;9O7*D':R\94]",CK7&R_#J\U"+7Y[RYTVUO=5T_[ %T^T M,<*C);S'!8EWR<9XP!B@#1/B#7M1UF\TWP[::<(]+BA^T/>L_P"\D=-XC3;]
MT!2,L<]>G%9EGX\U[5;+PNMEIEBE[K8N]ZSNVRW\EL9XY;C/'31I;NV@^T"^L&F2X*IM$EN589< !2ISR!P:M^!?"E['HO@R_O'>" M;38+LR03)^\;SVR,^A QD>] !<_$6\T?2-
475[:P75K+4HM.5EF,=L[2JKI( MS-RBA22>OW>O--LOB=%;7-_;ZG>Z-J(M]/DU!+C1I]ZD1_>C9225;D8.<'GI MBM'4O +:C-K,XU 0W%WJ%OJ-G)Y6X02Q1J@W*3AP=IR..&J:+PGJ>IB_3Q%?
MV;6UU9/9BTTZW,48#?>D)8DE^P[#WH Y[5[OQ/>:CX)GUFTTZ*VN-7BF06KN M7@8PRX1]W#<$_,,,CJ",]#0!AZAXF\2>&[&]EUK2[.Z8");*:QD* M)--(X01,KDLI!(.[D8]^*EB\0Z_I6O6.E^(;?
3G&HQ2FUGL"X"21IO*.'ZY7 M)##'3I45[X.UGQ#;WG]O:XB3/'&MI'81,L-O)&XD67:['<^X#TX!'?-2IXVU?Q#J%G.^FPRK:06-NT:EW7:TCEF8D[<@ <#)H R;#QOXD_X1G2O%6I MZ?IL>CW;0K-#"
[F:)9&""7)^4CB>(7GM(CJVF7OV.&V M4G$[2%?LY]<,'7/T:L#P;X9US6_'ARPU/4[;^Q$2"X>!;9EN'",'6)F+8VA M@.0,D #WJ[+86?B+XP17-A,[VVFQ!]34(1&;F,NL )(Y8"20\?W5H [+7]<7
MPWX7N]8O(_-:UAWM'%QO?@!1GIEB!^-8)\0>)])O],AUVTTL1:K(;:%[1I,V MTY0LBON^^IVD9&.>U='XAT2W\1^'[W2+IG2&ZB*%T^\AZAA[@@'\*P8?#.O:
MAJFE3^(]6L[FWTJ7SX8[2V:,SS;2JR2$L<8!)VKQD_A0!E?"K3YA!K.JWMO8 M&\N=1N4>YA1O-)I]8E_X6C%=3P/916,81 7+(#$2@7) MP."2WOTKTCPQH;^']-GM'G68RWEQ<[@NW DD9\?
ANQ6#K?@C4-2O?$_V?4K: M.SUZS2&5)(&+Q2(FQ6!#8*XZC&: %TWQ!XALM;T'3]:L].6UU>-U@^RNYDMW M2/?MWU![L&YO#(;6 I*PV\'.YR2>6 X M/TKN;_P^]YK/AV_%PJC27E9D*Y\S?
$8^#VQG-8EIX-UK2-!TVQTW5K20VOGK M/;WEL7M[E9)"XRH((9<\')[\4 =%XNS\'>&?\ MA%]*N+9I87ENKJ2[D6WB\J&-GQ\D:9.U1@=_4]ZR;SP ]U#J3IJ"17]TN=FB"K\ MKJP!+
(XR"#GG.>,56TNZ\2G5OAQ&]U9F&;39'909/G41QY+<\ML(P?4MV-=9 M:^&M8NO[2?6=2M +NS:SCMM/MC'%&&!S(=Q+,W/J *I6O@_7+=?"TQU2P:[ MT-7MB?LS[)K=E1.F_(?"#GID].U &
_Q>_T*;6X[OP__&;'*P&G/>8OY(@V MTN!G 8XW!,W:>XG9_,D26,/A .-PYY/'2 MJ5OX&UK3K(Z+INL65OHWG%XY39[KR&,ON,:ONVGJ0&(R >AKI-*T%M.\1ZYJ MAG#IJ30%8PN#'Y<>SD]\]: -
NBLKP[)JDNC1OK&W[89)02L>S*"1@AVY.,IM M./>M6@ HHHH **** "BBB@ HHHH **** "BBB@ HHHH M**** "BBB@ HHHH **** "D9@JEF("@9)/04M<]XZNTL?
VLW$M@;^-;9@]L M&9?,4\')7D#!R<=@: +VG^(]#U:Y>VTW6-/O)XQEXK>Y21E'J0#35\3:"][# M9IK>G-=3_P"JA6Z0N_..!G)Y!_*O+[*_CN/B)X**:SHE\J-<1[='M-D4 -N^
MU#)O;)..%..F<5%'IUE%\!C>):PK=&_$WG!!OWB^VAMW7../IQ0!ZKJOB+2= M(?R+O4K*"[="T-O-.J/)Z8!.3D\4GAW6O[:\*Z=K4R);BZM4N'7=E8\KD\GL M/6N"DO-
!TS5?'%MXJ^SB]O9M\"W"@M0:ZSX=@'X;>' 1 MD'3H<@_[@H S(OB9I]WIFGW]G]G:*XU?^SI@URI\E,R8D..@(CW#/8]:ZS3=
M9TO6('FTS4;2]BC.UWMIED"GT)!XKQZT73+WP]HFDR+;RS0>,66\MBHRN9;A ME#KZ$>O:M/QG87/]M>-+71("EQ<>';=VCMUP9,2R!N!U;8"/TH ]+T_7]&U: M>6#3=6L;R:'_%D=O<)(R?4
\5;NKNWL;:2YN[B*WMXQEY97"JH]23P*\FT9 M[/4?%/A?[!XETV]DM2[QP:5I/E-%#Y9#),WFGRUY P1G'+O4 M4WZ);:F)+_!Q0!M7OC#1+;PQ?Z_;ZC:7EE9Q,[/;W", M&8#A
LO8:UJGC"\/"&ZTX^&98;J:U :*6Z^8Q@$<,ZKGD9QD"K7A\:1K?C;PO<0 M+:W=O#X;D:)E 95D$L2,1Z$98?B: /1UU;37TO\ M-=0M3I^W?\ :A,OE;?7 M?G&*BMM?
T:]TZ34;75K&:RBSYEQ'<(T:8ZY8'_&O'M1MI(M+N?*>&UTFS\9 M3M3T MSQFO.K+4/#FD7OC&#Q?]GBO;J\>01W@!DN;4QJ(ECSG?C!7"YP/>VLUOJ-TEO# M*MR@3:3AI-V<%5[X]NE7;;6XC/?_
&NYT^&WAN$AAD6Z5BVY5(#C^%B6X7N, M'O7EDPLK#0FEG6*&PL?'3%BR@1P1>9S[*N3]*=K4=M?OXAB94FM;CQ5IBD=5 M=&2 ?D0: /6=-UO2=9$ITO4[.]$1Q)]FG638??:3BH;;Q-H-
Y<&WM=;TZ:<2 M"(QQW2,V\YPN >O!X]C7!^+=-G_X2_6+70X%AO+CPE.J+ H4NPE 4#'?!('U MJA=:KX3O[OP#;Z)'#]KMM1B0I'%M:V3RGW1R,^:"Y.5*L!@#'I7H/A_2[6Z^(OB MMK^WBNITL["
(O-&"2&C?=QSC.!D>U '9WNL:9IUBM]?:C:6UHV-L\TRHC9Y& M&)PGP^!M0 MUYXX](CTNYAMY[G__%4-SYHQECPI,8(!/H0*V([C1[OQ-X7GT"S:WLI-;O66 M7'[NX?
[*^Z6/D_(3QQ@$@D#N0#T/_A(-&&J_V5_:UC_:/3[)]H3S?^^:O86]Y)C9;RW"+(V>F%)SS7AEG&6\$+HVH>(K&VU8W>)=/CTGS M-
1%UYN=ZGS06;/._&,5N^*;BRTS4O%!AU336DFD#W>AZU:C==MY:@&!U;>0P M "@ X;/2@#V*KZELO? M!-U]LM+N..?3F\ZW@^:9 T?S*OJPR0/>O-?#NH'^V]$L=,U'1M?S9S1VMU;6
M_DW>GKY7'FA25 )"J00#DT >IIX@T:756TN/5K%]07(-JMPAE&.ORYS5'1_% MVFZUXAUC1[6:%I]-=48+,K&3*@L0HYPI8*??(KQ[2T27PCI&D2^(K&'4TNHO M^)=!I.[4(KI9 68DR@YR"2Y
!7/KBO1O"\]E!\2O&=B6BCO9)H)XXL .T7D1 M@L/4;NOO0!UFIZUI>BQ)+JFI6EC&YVJUS,L88^@W$9J4:C8LELZWMN4NCBW8 M2KB8X)PG/S< GCL*X?4KO3-(^*<]
[XDEMX+6;2XX].N;L@1*P=S*@9N QRA] M2*Y:SF@TVVTC67!M?#R>*[B:UD=2D<5L\+JK8/W4,A8CH/F'K0!Z=XC\5:;X M;T;4K^XGAD>PA$CVXF57)(.Q<$\%L''K@XS6G8W]OJ.GPWMI-%-
#*FY7BD#J M?HPX//%>1:U?V>OI\3[G3G6[MSI%J(Y8QN63:LV60_Q '(R/0UZGHMY8ZAX> MM;K3IH9K1X?W;PD%3C@XQ[@T 5K/Q+8KHEI?:OJ&EV (H[>Z\700HL<2:]+L11A5S%$3@=N23^-
'617EK<>?Y- MS#)Y#F.;8X/EL!DJV.AP0<'UJE=^)="L;6WN;O6M.@M[D9@EEND591ZJ2<$? M2N \:"]T;Q-?6&G*ZCQA;QVL;J.(KA6$;O[?N7+9]8ZG@;0/"WCW5H]?:UL[ M4Z?:PZ5)>8$?V>-
"LD:,W&=W)7J>+1#X/U6^S8Z&NI MZG]FDN 46""4-Y ;/W0>V>Q%0Z[=V6O6/CVXMW$]C*-2T^.?2!9Z5;"6[>>^"32N0_P"[B7&" MP*@')X+"M/P[XRAN_"D.NZ]?Z+8PW#
QM#>AD0%00C,V!Y@)((('I7-75JAUC MXB_:(HGF70[8LVP??\J?)'XUD7*26.I^#+V;4;#2M/\ ^$?1(+J^M/.@2X(0 ML/OJ$=DQAB>0"* /6SK.EK817S:E9BSE_P!7<&=?+?J]>&S@]#^1I8-2M+W2_
M[0L+F&[MBC,DL,@='QGHPXZC%>.I86EUHMD/M::EIU[XOMVRMEY%N_&'\I=[ M;HR1UZ$[]]CF@AM=+FAMXHXHEB?:D:A5'!/ % &1I/BZPN?!VF>(=6N;33([ MV!)#Y\X5%9AG:&;&:-
>\::1H6EV&HO=VTUO?7,4$,BW"!"'8 N&S@JH))QZ5 MY3IIGM8_M].TM_"$NI&_MCO-,_P"$HM;EKA;+[/;HHD02/&-S9C)&2W )S0!Z;I7C+2M7\2ZGHMKX21D^H!XKRSQ! M(EQ?
_$&STEX_[0U#3+2:R2$?//#Y9\PQX^]E%A8>)=-O9+ M4L\<&E:3Y;PP^60R3-YI\M>0,$9W <4 >HVFNZ1J%VUI9ZI97-RJ>88H9U=@ MF<;L YQGO5UW6.-I'8*B@EF)P !WKSWXYNS'\Q'G
M,.2!DCA1^ KM]3M?[5T.\M(I-OVNV>)7]-RD_K0!REGXH\5:_:G5?#^A6#: M2Q)MS?7C137:_>50A" ]MQ]#Q6SHOB_3-6T2/4II4T\^:]O-#=R*C13IG?& MQ:5JFEVR6MQ9W.5D+
(H7<@_C#8R"NZL]'O-3L6BAUKQG]O2TN$PRQ&)P@=3T)"!B/>@#UG3M9TO5[=[C3=1M+ MR%#M>2WF615/H2#Q3-.U_1]7EEBTS5;&]DA_UB6]PLA3Z@$XKS/Q?83?VMXZ MM=)MV$D^BV
DF"-I8X"J02&[#DT >@6?B#1M1O9;*RU:QN;N+/F00W".ZXZY4'(K.\: M^*H?"'AR746^SO<%TBMX9IA&)'9@O7T&=QQV!KS7139WUQX/MK3Q)ITT]K"GZ[I&JSS0:=JEE>2P< M2I;SK(R?4
\5Y7XTAC;_(6-#L C,>D+M' QOZ5TFO6]KH_Q!T"6QL%7&DZ@ MIAMD"-*J"(J@Q[YQZ9H ZR'Q+H5Q]9TR'6M/DOP2#;)MQ_^/B7_+*G_H"T >COXP\,12M%)XCTA)% M8JR-?1 @CJ"-W6K-
]X@T;3+N*TO]6L;6YE_U<,]PB._T!.37F,OBCP?XH\4M M)J6J:39Z)ID_[JWE=$>$>^N%/^L<=?+4 _=!^\>3P *S[J5+35O&46LZ_I.GM=W M3R>3?Z;Y\MU;% (O*8R+O&.J@X(/K0!
[#J6LZ7HT<4D:VVH7%FA1]P=8W*AL^^,UP.DO8^'O$>E3>*;H+:G MP]#;V-W<8B 968R(P8D+(5*9&ZMXKF*WDGB2B2> M8,8XF)]%3Q%X9U#?.X#Q'.6...
M\;^'/$FO1P3)]%MI']DV\0&&\_:'N=H]2VU!C^[0!ZE8^(=%U.\EM+#5["ZN M8O\ 60P7".Z_4 Y%3G5-/%C)?&_M1:1DJ\YF7RU(.T@MG P>#[UYK<:AXZ1=86 M^NU-
C_RUP;DN&V]=NT[MW3'>@#VRYNK>R@,]U/%!"I ,DKA5!)P.3ZD@?C1] MLM?MHLOM,/VLQ^;Y&\;]F<;MO7&>,]*H>)M'7Q!X8U+26P#=6[QHW]U\?*WX M-@_A7C)\0:AY,?Q+\B8W*,-
(\C;R?]'P>/3[4<4 >M:CXE%N;F6S>PNK:'3K MB[RET#(SQ'!4*_+G(+=CQ4&B>+)-6UJRL&M$C%QHD.J%P^=ID8C9C'08ZUQ M5WHXT"]BTH'+6W@J\21O[S[T+-^+$G\:T_!O_(X:/_V)UG_Z,-
'3ZOXLM=$ M\366FW\EM;6<]G-.PNO+FN /+BD+1 ,Q/"\$C)[D>M<=JL3W M%C>ZGIKQP>%G\3Q7 E>V,L 00A7F,8(W1>=@]<9YH ]GTW5]-UFW-QI>H6M[
M"#M,EM,LB@^A(/6EU+5M.T>V%QJ=_:V4!.T27$JQJ3Z9)ZUP?@ORKOQ[J%_; M:]::K_Q+TBN)--L!#;%M^4W.) ;N,=#U[5;\0W%AIGQ/TS4-?>&'2_P"S M)8K6XNL"&*Y,@+?.>%8H
==+K>E0:6NIS:G9QZ>P!6Z:=1$0>F&SB MEAUK2[C3UU"'4K.2R9@JW"SJ8R20 -V<9)(&/4UYB;OP['K_(?U=+(V?A5+ MJ^VSSKBV-RVS;,,DA4;$@4G SG&,Y.;KZV6IV/C.ZTQ4?0+N]TN-7B&
(9YA, MHF9,<'@H"1U(H ]>T_7=(U=YDTW5+*\: XE%O.LA3ZX/%-T_Q#HNK7,EMIVK MV%Y/%S)';W"2,OU -<7XCT^QM_'D,26CQP3>'+Z*9+&,+(Z!H\*H'4C)P/4U
MB^$M1AC\2^&K*TO]'\0P>3)'#-!;>3>:?'Y?_+4*2N. IR *T.2MT)@4D3RD M?>6Z ?/ZXXKS7PG/9:=#X(U+76BCTA=.NXH9[C'E0W1F!!8GA24# $^]4;P6 MUWHNNNW.B&.+15\60SW+_
&8R1"#R4)(M$D@NYTUBP:*S(%S(+E"L)/3><_+^->5 M3F&]E\4WUMX@LM59/#5S%%I6.KZ;J=DU[8:A:W5]N= MTT$RN@QUR0<"L0>-=.N_$ND:7I5U9:A%?"X\V:WN%?
R3$JD#Y<]=WZ5YOJ%M M)]5CXMN].U>/64>WM%OO[+L/)@E59@SA6$C;Y/*W@@=B!GM71#4_#&J_%'PI M+X?ELYW2TNEDDM -JIL78C$< CYOEZCT&: /1KV^M--M7NKZZ@M;=/O2SR!!%
M7ZD\56M?$&C7NGR:A:ZM8S6<9P]Q'<(T:'T+ X'45R_Q%U"*RDT!)H=/7S;U MBE]J>XVUHZQL0S $ L)6\/"#;9R M7)DAN)<(&/\ JHB^W@'!;&!GW[X%8NJ:=9:;\1_!:6-K#;+Y%[#B) N4$:$*
M<=@:[J@#(N/$VC:=9VDVJZM8V)N8U=!D:3JNB6,MU;' M^UF;RY3<(JH@0L'Z\AB H]2:Y'7M8MXO'NL6[76B:-)':P:(]WJ4#3S7B$,=L M*%U& 200,DGMTK \.7%G9>'_
(:7NHM'#;0WM]#)+.H41DB955L_=.< #UH M]IFNK>WDACGGBB>=]D2NX4R-@G"@]3@$X'I3!J%D7ND%Y;[[0 W*^:N801N& M_GY>.>>U<]\0K>1O"KZE
I:YTB>/4H@.I\IMSC\4WC\:\PD6]>1)H1*#\04> M)B,_NU^T94GT_P!%D;_OF@#TS6_&$FE:?]M]#'8W<%]]F(/*N@S.L[JI9P/N MCYLK_>%-
D\6Z@^JZC8V>G12&RU2WLF+2'+1R1J[/@#JN[ITP":XOQ5$$D#^/8 MHE"QI/HBJHZ !XP!79^$O^1Q\;_]A"#_-)HZ -_0+Z[U+0;*]OK9:YGB#R M0J20I/IG!_.M&BB@ HHHH **** "BBB@ HHHH
**** "BBB@ HHHH **** " MBBB@ HHHH **** "BBB@ HHHH **** "BBB@ HHK'\5:]'X7\+ZAK4D1E%I% MO$8.-[$@*,]LDCF@#52*.-=J(JC.<*,4[ QC Q7FVB?$&YD\0Z587>K:-JB:
MDQC9=.ADC:TDVEADLS;T."N?E.2*JQ>-O&+^&K#Q)Y6CM;7-\+);+RY%=MTI MB5_,W$+\P'&T\=_0 ]2:-&969%++]TD)-*U71!KO\ 9TEIK$OV<):Q.CVD MQ1G52Q8B0$*03A>>: .QB:&9/-A:-
U8_?0@@XXZBI,#.>]>4>#M:U./PSX:\ M/:)]ECO;Q;VXDN;I&=((DG8$A 068E@!R!UK3N?&VN:1#]<.H0V4L^B7EJ;^ M:&-@DMG-_P M$4L2KKR2"2/E/KP >A+'&C,R(]ECEB!C/UIQ ((((R#7">(O'
MLVBS^(9XH()K#1[:!"6)!DNYF&U=V05/';-5/A!8 M2P>#A>SBR:6[GF8RP6WERN1-(#YCECOYSCI@<<]: .YN[ZTL(Q)>74%O&3@- M-($!/U-2)Y$X2X3RY 1E)%P>#Z&N!\Z58>*?$7B?
5]UU233K:.YC$ MB6\,:KC:K9 +%BQ/?-6;V*W^'FE7?]@IYDFI:A##9Z?(X$%O-*0O RJ$Y8C M\L9H [=HT=E9D5F7E21DCZ4['.>]<+=>*=9\)ZD+?Q*]E>V\UC<7<-Q90-"R MM H=XV5F;
(*GAL]N155O$7C*QM_#VHWHT>2TUB]MH)+>*&0/:K*>,.7PYQP3 M@8/8B@#T,JK*5*@@]01UHVCT%>:7/B[Q(]6JWME<6KR2QB:-HS)"Y1U!&,JPY!]#7-6?@Z[_M'3KK6/$%UJD>F ML9+6*2%
(_P!YM*!Y"HR[!2>>.N:QE^(MXOA33?%4MK =*CG>WU98@S/%AMBR MQ'(RF[!P03AAZ&NL\+WVJ:IHD>H:K!#;R71,L-O&#F*$\H'.3E\48*T3*S-CEUPV>F>*LG6O%&A7V
MC/X@;3+BTU2Y6T>.SA>-[65U)3YF9+!,Z0=B4CEM[PZF66-&Q[[E&82U(!H+Y[G@5Q0'@S)+=K$PC2U3.]9SS3RX[ZK#<#U+0AS!MG,ZV5]WZ'NI
<]B#QVH ]$8V\ MO3I4FU=V[:-V,9QSBO(_!ILPP4+]&.J%]?^%Z$UCYU[J$)&AGK+?OZ8>]%G&Z[QY^%(BSE_:O;II]"]:8:A%@2H69]L/?[,@1L%TDHHL ]>M<BDD
M)5VR(KKZ,,BE95=2K*"I&"".7#7"G7_%M_0I=*MK73XK>6.KXYE3-YX.:Y3LI?X4_SS]$V'Z@NIAM15V5MT#I!PXPE@S[>CU0?M$AMN9IJZ4I@\@.9WSMRIRJVSU
$P!V'%+@"BB@#";PZ\_BR/6[S49;B.V1A969C54MV9 M0KOD.M->-)$*BLIZJ1D4ZB@! H Z*T@#*9GDL!T4<%L<+E8YM%NK4V9J;I^TMZJ1KEUHW&1Z20BW4T>]5@
MQGZTZB@!,#&,#'I2T44 ,.*-W5VC5AW79X:P]^[PJ>UKW>O_<2XAHVQQ]EK6/&<1_#?&JSKQDF_%&&'>D+QBC/5NOBMPDI6QDRJ)8B!(LHE+,OVQDM4QFUWRL;3!O
M;W\<4=PI9(YDG"AB 71MRYQUPP!QZ@59HH JZE;W5UI\T%E>?F5QKKV/Y;7K[61"_ BE>0Y!;?[4HRZ4F/*#>5'J,<?K-+2&C_0;:RPYF1>;RKFP?8RSM'2@<RV.C<:U0
<>E.HH *3 QC Q2T4 &!Z48'I110 8'H*,#T%%% !@>@H ZFE@I'/K0D)ZNIWS8(?ZXIVG@:KUH'HFW4&$ECZM.I>X16O]M%G27HGHMX,X:?I;I+..%#ZUYEJNBX\'*%*4
#6C1T*.BLIZJ1 MD4H P *6B@!J11QIM1%5?11@4I (P0"#QBEHH CCMX86=HHDB,K/)V$T68CJ%H=&E.%**_JAJZ9YY-S6U%;'@+J>%OLGE]:.2BXE3@+5=_O9TT
I,#C@<=*6B@!,#T%+BBB@ HHHH **** "BBB@ HHHH **** "BBB@ M HHHH *S]=T:U\0Z%=:3>EQ;7*!)#&<-C.<'M5A*#''Q!O*Y:ESVYM1_ISV#/1.;P*%X/
[OL]U&8V*'#+Z$>X."/I6A10!S&G^#(8=3M]1U;5]3UJXM6W6OVZ1=D#8QN5%"C=CS@YYKIZ**** M MG,VW;NXZSGW]JZ^B@ H ]J:>XZI#'SP3ORZ!*
1JFE>>L=T]MOCECE]+/I%CXR06C?.NPHD<<:;BH ) R3&?OO9A"@RJ)-(,!I*!!]S,'>.QMU1JS.&.X"\L2@YTT33MX/S*-S4M8,UUV$*V+/8WS:'GR2R
MXS70^(=#M_$>A7.E7+R1I,%*RQG#1NK!E8>X8_A6I10!RMEX6U.77;#5=?U MN/4'TY7%I%!:?9U#NNUI'^9MS;&O#UOI0N/M A:1O-*;,[ MY&?ID]-V.O:MBB@#D[WPGJ4&N7>K>'-;739KWRWNH)K87$,S(,;MNX$$C@\UI0KP>C3W=O30 @N&4R*/"5LH61S4/UHU1*3V6ZUUEU09V
[:;NWGM1<0RNPHP -REFQ@_MP'!MP<#(JL/AW%M>T7YR>M+T?Q9>S<9:1,XQ$X4IAEJXF[Q`WE8^H$-C\LX,DV*RQ@?*X/NH7I(,ZEA!U[&BGH5N@@BG[3G+IPNB?<BOM=
(M=6U>XU.RL7YD=1I?8;J?NO4V'!;<SU9**E8QX>1J!?Q$[G3]"AZQNJ@(SJ!6"_M`LJQQPKT7[?D4%1CHXP8+YWZ&D('PG9J#8W<MNQ(CU0G(2E<;Z0-
;P*^K2:A/XFK+ONHS:Z]IAV3!"X^Z!S]#:8F4/.6MO#EFIPP4*H2RJXBZ)XA$)^WLOYHXX42B'H"B24YZJ0+'1L%.<G+;?J9T@*;<NJNSWM_?:]VF:0IMPUX/E\?S!C6NPO'
SZ?'I%O)K(GM=)U&2\M4^R[6V.L@\M MFW'8?$!B\-3.Q-H+4&=8V;>']!(T+3+?5MUKLIT;BM8W'FV^E)@[>)MDN+6>>*>_M$*2
FMY5D0D=>0<4 6:*Q/^$H&2_9,@TP0?'6?9WIRX40_#TC%_4?+U4*"&6]0A=*$E1UN?,0CNZ(+92F9[=_\9MXBK_IS<*V3XP+?$L,7SG7U*O_&O&F8"C:>KK6)B^3&R#/B
MHH **** "BBB@ HHHH **** "BBB@ HHHH **** "BBB M@ HHHH **** "BBB@ HHHH **** M"BBB@ HHHH **** "BBB@ HHHH ****
"BBB@ HHHH **** "BBB@ HHHH * MYKXA_P#)./$G_8-G_P#0#72UGZ[I2:[H&H:3)*T27MN\#2*,E0P(R/SH_^<8 M=$/B3P+HFFZ!X!OX-9/DM_;C0B&,XZOY@^\#[_7K7J=WXA\7:[XUU+PSX:N[
M"R31K>(W5W=PF1II77( '9??V-=QX>T:/P]X>L-'BE::.TA6)%:>SA6%9&&"P'W576=0, E3T8 9]J ..NOBIXAG\!VNI0V2 M6MU%J3Z?JMW%<;-=O-K*-
M\;,I[30L!CD<8)!Y]*ZE:-A'P"6X;7;OQ/:A=/ZYBSV6<3X4TZ?QZD;G*4LP]>!M-8(P=]TBCV#M3F'[$LP=[K*93R>O;8!%L?*[BJJH1>N/Y\*U>K_IU%KZO08/8%>5:#
B+3[RYGFBUN_ :9@ K02$$OGX:\[@\,FD_T,5/%DM,JV6$(M>&P[&S_H)6FI9T.YJ2T)\CM_^FBVNHJAG.<QGF'I;TBT;)9=D.IM\[S54&@0&S#<;9DI=Z!/:+3.8)PLCT1$N0?
[U7DY^4#>.G)P>[:R\0VNMZWX@R;/MEV 'F_R4>:S`UO_X*GJ-C`E5>OR>:VTI#@-*BV%6 //]JOLVX/[:[U;7OG#!BNT6O5I*-&,^/3TE1IF+M4-9BUBW"[PKSXSOB
PEA832C^M[YM-DM?+EC7_5NK## \$$>A!J M_9ZWXHLKSPM=ZG?65OLOD5S@^S]<.^SW]3>SO@-^MA@BUIFLNZBJR"G6&LX#-+V]=7DT&TX>WJ7BOID1LZ=7J6W6V\FC^U[0&G:_J
T69)8R%'[P MK$T>#Z<-F@#C]+\2ZK6F)U4I7^\GZJUBK6:;Q+)9/:8O:@BTWAVC9YD<>X(%K^:.W=F>KGB/AJQ=K>1.I,_E\O$KZC&;Z^G;0CO'_:H;O>%=U<4^=\&2WE-Z1?T8
M0HW499B#Z@ 5H>'[WQCK&Z3XA%WI[6E^4EDDK"9J:2N)+'/A4PEB8%&%%R)2VF@NR?A6^HF:VSQ='PP0.<>$+'=-VQO0@PF=NEO/.;X4G@&N;@9/MC0DP.?K?>
$F@#D%^)NIW6G2Z]:WR$"5C#HJZ7 YEA5RN#.!@2$#((^4 M'KT^K$7Q $8/,35CKX!N(()-,LO$=]::%8?@)3M]+1O(@,-&)YO1UQ5O;F06RD%^L6M%W@%;%LQJ5X"1/3:6S*_R*
>0BVCU_X/5+6&PT:WLY; MF1[;:U\M+SU)X5SC(@=G+/1GG4^]7H]N!1KY5BP#8D8U\S)W)?B1N6D[X9>AFLXKYH1'-2]/P[+6AMUL_CB'6@-EX)OY:H+SDT1<48)2NT93[^JTN
U9M$DI&X ,(W;E 0.F#@@]4 96L>*M]>6DZQ5M>9/:U'.0-!<OOO:+KL0?N%!-T9$$K?2W$^LNW$=[?K?/CN@//E$/RIN>F'R<N6RED[XF+Y@[-1?/"-2%.G)-K9'^'(*<)\
W@2#SZ4VU\&73Z] M::OK.O%GB3$.TZG+/;2WY6E'Q$Q'BQO#^72N>S'FD:0P/FR\S'64RN(S*$2&5%]AH94;*B.#0;AY9GM=[X[8"$R[9E`\;&K?J[5^0L-K%'(IH
M+=Q6^W1;R:E*N[C&7.5A+ZB5F%WV//V\R81>*$!IHYT3!RIBAK//?#'F4AJB;H'.,96[6[1)IWX:"7MO_)&!<6U5X`=*:(^H/]K%"=D(TD<0I%IL'?R>
MYA52'8E=IX8T&+POX:L=%AG&>>.TCV+\@B0]YI!?D_&!-FV4EGP$7$%#(8JH^36[T_T6*4#:V]&UO9=S+%/@L28P6Y_>4%&2!\UV+3\3F93WJWW$!#QF9AC0O&N4T,;*@P]
A;V^A7=RD5N]IYAN%B4 M.0[;AM&@8&0DJ3QI]TLK=&&3@@]\M:T_4+=4;NUTN  >S:ZO;NWLY+M-9 2I95)]."4@GCSG.A+N36/!)K8^&^>&C5!Z9KU79+CDCCJ6Y(#>5ITU7-ANMI
[B65%E: MX#@'L0">:;KGQ5>V^) \/VFH:/::=:1A[VXO$D9F<-F)7XYXX/-<X9@JM(7'EAH^K$6FV/WE#JU+]PQB,GKSL"\YMP/F\EMPM5HDVO1IJN'KGK4!Q'X-%"$^UGP
P"R.Y.W:02..< MXKM] \7^'_%"S'1=5M[PP_ZQ4)#+[D'!Q[*\07PSJ]W\$]4AM-.N/M,>NO< M20"'Y+"I' 4CYAD@X]JV-%TZY\3Z]K%IIU[JQG7W(*K3\%UO;>#XM9AOYHUG
%BJQ* WB.RMT8 0FN:TWXL6.OQ> M*$TV6RAGTN.22T>Y=BDR(.96P 0F2.!S@US7@[5;&/1 "WAB3P/=W6M6-R!/ M]HM3$EFP)S/O*D'L??SGT,YB9DTM%M69O=H3/9XFVCNH7)1
Z@9J6T36: %71FTRZ2]NC=7%J5M6VO$0I7\8^'8[/4+N35[9; M?3IC!=2LV%CD'&S/<^PS7EFL:?JVA^[VF!:?7VB#JA76`@F)5]?-9G^IUK=&VG"2#Z^<0\2@TT
S\ES&>'*9"X/X\9H ] MDT'Q-O-HOB>DB0>?UU>YT748+V*-MKF,\H?<'D?B*YQ?A^2Y#B"%Q$5)_@ZZD*7/0Z%YP#$3*H3L?YR!LYMWO*F'Y)X,GL)7!O+0MEZP=/JCI
MSM[]:@^(%\^A_%_PIKLMA?W-E:6EP)3:6YE(+*ZCI[L* -SPSXUUP^,9/"7B M[3K.UU-K?[5:SV+L89T!P0 W(/!_(].[%K*1?Z1!!;R[4X3OM12=3#;-!9GW@I9O!7ZB
'BZUT.^MM,TK2Y(+=;^+RFNYF#_*%/\SGGV]ZX5I M]2U6T\LO);WL4UGK44MSIMKHOV:UT\8>8_5#O4!V5@AAM:JBMD!V`6$?X+OB
TO6[2ZO%S^Z1N6QUVD\- M^&:\NN=/N1XW^)&BPV%Q'Q'Q:S:S+_9TBP$1BOC!=RNMXC7J&CIM#KMC=&8@'AP,3\\WE>GT@;SDM1OD)>)OGN+_6<*U=Y_\RNPWC><%$E@TRR
M*+G,3'!_(UD>/O%)\>#[S5HXTXTENEVQ6T3@D22L<*,#D]S@=::!LJ1G7GO'JN9VQ5ZNF1C5;N(K:1\0&OPRY=?S&%#0)36GVSJ[[%K<9=6YBN,>
=5\_&%QXM\.37&I016NJ65S);7UO&"!&ZGL"2>F M_4&I8B#O3O)QF.*2(?5XL]<-JPJ<N6HQ9HK\0U\QOMT@)5NO(DNTE8"L:]8O:G7*%Q&I$[4G%QCR+>[A/>Z
[7P]>W&M7]UNM98[0LDA$H^ M?S.@V@%3Z?20T ?0&K^#&@WDEGJFLV+Y&K1PVT<8D.U6E$"Z3 D?-@O=7O4,B(^(1\/PF>FM%MG12B@3J3CO:>4%&+HH^"$0E+#
()&,\'WZURVN:9J&J MQ7&D-^&^NQAM,S'_:C^@P33 GC3[!W6L6PBA*#;!RA?-_0ZKZX'L3VOBR$Z^>L7G$SC)_)NP&+U=J32(^,-(KE?XGN3#H/SJ>=6B,I6H[!ED1
```

MKOC^#7/%FDZX^I/.+;3+9+(_9;%'(7<6)&6YY;''7TP =-XA|>^-](AU;75\ M/V%OX?TRZ$!CO6D2ZN4W!?,C_AP=PQQ^>*]/L[E;VR@ND5E2:-9%##! (SS^ M=>#>)/%O_"3^-WB\0Z1KQ\+Z;-
FWLK2Q9A>2*<;Y22/E]!Z'ZU[!9>*[.[\2 M1Z"EG>Q7#Z>+]9)(@L?EDJ-NNP> MZN@_V>U51G+E>>>WTKD1\6K^P\)^(+C5M-MCK6CWJV'EVKMY$\K$A2I/(PQ
M(Z\=L\:/Q9\8:OX>TRVT_0K2[>]OR0]U!;M+]FC& 6 '\1SQ]#[5P]WI-IJO MPANK'PMI&LFYTV]AOKDW]MLFO7YW,!D[CCMZ =: .ZT/QQX@BUW5O#WB72[1 MM7M-/_M&W72RY6X3^X W.[)
/TR:-GX\|96&M>'D\3Z+IMM8Z].8((;=I!< MVS<8\P-P>HSC].E4-)U=M8^(^K^/(=,U%-(T[1/LZB6W9))Y<[RB*>IZCZX] M:Q!OB/^W/'L.N>*]*UQ]6DF^SZ; MD1:6",<;MQ(YYY;'OZ8 .R^(/Q,D|+
MZ[I6BZ7!#<9 MSC- %BBBB@ HHHH **** "BBB@ HHHH **** "BBB@ HHHH **** "BBB@ H MHHH **** "BBB@ HHHH **** "BBB@ HHHH **** "BBB@ HHHH **** "BB MB@ HHHH ****
"BBB@ HHHH **** "BBB@ HHHH **** "BBB@ HHHH **** M "BBB@ HHHH **** "BBB@ HHHH **** "BBB@ HHHH **** "BBB@ HHHH M**** "BBB@ HHHH **** "BBB@ HHHH *K:AJ-
EI5F]YJ%W!:6R8#S3N$1P#'CL"1Z5VE[K?BOQ-X]UCP[X:U2UT:UT6*(RS2VH MF>>1UR!@\!>V1SQWSP >F45XU#\3M=O?#GANX_<6]])XB32-0V(&20#&XKGI MD$?CFNOL_$FI3?&34?
#CRH=-@TE;I(]@R)"ZC.[KT)XH [:BN%\7^++WPGXQ MT-[J91X>O89XYP4&4F12ZG=UYZ8]JX#2?BIXJU'P\-/D>*+Q+>ZI:PVA\E<) M;SH'5MO0@ 'G_:% 'L\GB#1HA?&35;)!8%1>%IU'V?/3?S\N?
>I4UG3);V"R MCU"U:ZGA%Q%"LJEY(C_&HSDK[]*\6\2:A)=:5\6[5X;5%M6M562*W1'DR3R[M N>._2M71O^2O>$/^Q1C_FU 'L-%O:'<^&[30)X(KC5+_P"R,9XP MZ_-@
GO@$YXKF=>\8>)='\0V/A*Y\2QVUS%9M=7FK1Z2;AI6+D(BPH"%&,9/ MZ^H![+17BUS\2/%;^!]#O(8X;;5IM<73)FGMV2.=<$AMK#*ALKG&#UZ5J#QA MXC\'>+=0T?Q+?0:S;C2)=5@FAMA
R^6&)C(&1CY6Y.>WO0!ZK17BDGC+QUI/ M@^P\?7^I:?O)KR7X+6^KIJ7BV6\U..X@75IXIHQ %,DX*YE!SP",C;3?%=MK, MOQ^\-K::K' &M)'A#6X<1H ?,4\|EL'GMGVH]>=0Z,IZ,,&L?
PMX9L/"&@P MZ-IK3-:PLS*9F#-EF)/([FO.!XG\;^)8/$NO:'JMCIVFZ+<30PV4MJ)&N?* M7VL[":-WU*U=-S2'[H"'' #!OP(H M [*LG4_%&@:)::U<7]M\8IVL-! M&L.=!AW1&>.+8//DYR_!]*
.]TS6M+UJ%IM*U*TOHT.&:VF60*?0X)Q5ZO)- M%UAEN?%7CTZ=;Z<;"P:SETF-\RF:(E]TV% !Z $9X[UMR:AXH\/IH.IZGK$. MH0:C=P6MU:"U6-83-PIB8?,=K$#YLY&>E
'/%;NL(BDNIY<+'&#G')PHR><8R<9Z"O,](/B33/ M"OB;7M/U>&*WL-3U"XCL&ME99U25V<.Y^8$X(&W&,#K7HVH6L/BKP=<6Q7;% MJ=B0 W\/F)Q^(R/RH
O7VIV&F1Q27UY;VJ32+#&TT@0.YZ*,]2<'BENM1LK* M6**ZNX())@QC620*7VCN!R?05Y%+%-\1='T?3&W>?8:#+K1Z\@5DTOPWYVUER$N;@$L,'KA8L$?[5 'H0UO2B@<:E:%# M:_; WG+CR/\
GKU^Y_M=*N12QSPI-$ZR1R*&1U.0P/(((/I7CDUU)?6C7+<:=H5M?WFFV]GI%K-+/9Z6][]))(G"X", M$4!<\C))XZ&@#U=Y$CV[W5=S;5W'&3Z#WH61'9U5U9D.& .2IQG!]."*\BOM
M0UOQ'#X.GN;B:PNH]=DMB[61C\TK%)LG"2#(RO\ ">,L?2NC\ 6UY%XA\9// MJ#3QC5F4QF)5RWE1'=D<],#'3C- '>4444 %%%% !1110 4444 %%%% !111 M0 4444 %%%% !1110 4444 %%%%
!1110 4444 %%%% !1110 4444 %%%% M!1110 4444 %%%% !1110 4444 %%%% !1110 4444 %%%% !1110 4444 %%%% !1110 4444 % M%%% !1110 4444 %%%% !1110 4444 %%%% !1110 4444 %%%% !1110
44 M44 %%%% !1110 4444 %%%% !1110 4444 %%%% !1110 4444 %%%% !116 M/XLU.XT7PAK&J6H0W%I9RS1AQE=RJ2,CTXH KV'A*TT_QIJWB>.XG:ZU.*.* M2)L;$"*JC'&?
X1WK+U[X=6^JZ_+KFG:SJ>BZC<1"&YEL9 !.@&!N!'4 CT MK8\&ZM']-M= M0U'4XH[:[Q]F:,&0S9&?D"@EAR.1QR*@B^('A:;PU+XA36(?[,B?RY)2K J_ M]TIC=NYZ8S0
[QMX,T_QUH(TK4)9HD699DEAQN5@"..@CH2/QJBGPWT6/QGI MOB:,RK<:?:+:Q0C'ED*I16/&U?5;&^\]M,A\R2W>*2) MR3P@PRYPS$#."!GFL:R^);:YX7\.ZI9ZEIUE<7>IQV=[%/!,PW'DQ(0I^;!7
M#'Y?>@#;N_AMIMXGBI7O;M1XC:)KC&W]ULSC9Q[]\U)M,UU+JX,^ MGZ8NFQQG;M9!GYCQG//TINN_$CPEX:U/^SM4U=(;L %XTB>0Q@]"VU3MZCKZ
MU:U3QQX:T:#3Y[_5X(H=01GM)0&=)54 DAE!'0CKUS@9H 7Q#X4M/$>H:+>7 M,\T3Z3=B[B6/&'88X;(Z<=JI>)/ L&NZU;:Y9ZI?:1JT$)M_M5F5R\1.=K!@ M0>22/_U8LZ1X[|-
Z[IFH:AI^I"2WTY2]WNB=&A4 DDJ0&Z*>@[&MC2]4L]:T MRWU+3YO.M+A-\4FTKN7UP0"/QH \O\=> 9E*^&-"TT:GJ,<6M12W5P\IDF" M$,'D+?PXSVZ5U&B_#FQT[5KW5-
3U&^UN]NK8V9DOW#;(#U0 =>Y^OJ'O!-_J>E"(WT30K")ERI+RHG(R.S&LF_\=S2_#*[\0V$2P:E:LD%Q;3+ MG[/.)%21&'MDX]B#0!4MO@[I<36UK/K6KW6AVLWGP:3-,#"K9R >,E02>/\
MZ]=1IGA2TTOQ;K/B**>9[C55B66-L;$\M=HV\9_.EU;QEHFBWKV=W<3M<1QB M66.VM99S$AZ_EJ=HX/7%9M_X]L8/$7ANPM2;BTUB-Y1<1P2.-N!LVE1CDGG M/W0,G&'/
\/AGQ%JVJ6>IWK6^I2O/)8R%?*25V!+CC.>,#V-'B/P/#K M_B/2M=CU.]T^^T\,BO;%?G0]5.1]1^)IUKXNT^ST!=0U/589Q)>2VT36]M(& MD=9&41K'@LS#;@X'.">E5=0\;03P:--HDZR+
<:S%I]TDT+))$&5BRE& 96X' M44 4-2^$]A>7^HRV6MZMIEGJCF2_L;24"*9C]X\@[<\Y^OI70?\ ")6T$V@_ M8+V\L+31U9([.WEQ%.I $@_BQC/U)K2T[6=/U::[BL+CSS:2^3,RHVQ7[J&
MQM8CO@G'?%2:G7,6/,A@>1%);S7/(AOK7:]QY8VKY3QK*CX[#8WYJ:J>"O'\ M^I:-KFK>)'@LK6TNE$.$(*PR(CQ@CDEB'48')/&* .ANO!NG76OWNJLTBKJ- MF:._M1CRKE<$!F'7< 2 0>E4[/P*
(KC3A?Z[J.HV6F2+)96EP(PJ.HPC,RJ& MA:E)=QQW4D$MI";B:.\MY+=DB_YZ8D525]Q2:7XUT'5[L6 MMK=2I,T1FC%S;2P"6,=70R* P&1R,T 9!^'$?DWUD-?U-=*U"ZEN;RQ'E[92 M[EF4-
MW*IS@@'D#W.>U1%BC6-%"HH"JH& .U8&F^./#^K7\%G:77;$88E0 ISC SUYH N)X!L M$M5MQ=W.U="_L//RY\K&-_3[W'T]J=/X*"7%I>:3K%YIE]!9I9/-$D;B>)/N
M[T=2"1S@C!Y/:M2V\2Z/>_V7]FODE&J([V916(E"#+6LNU5+J<;N0HXS MBDL/%^AZC;WTT=X818*'NUNX7MWA4@D,RR $ @'G&.*BT[QMH.J2O%;7,XD6
M%KA8Y;2:)I8QU:,,H,@_W!W)X^4@=3=^._#MC?26MQ>R*89%BFF%M*T,+G&%>4+L4\C@D8SS M0!T=%%% !1110 4444 %%%% !1110 4444 %%%% !1110 4444 %%%% !111 M0 4444
%%%% !1110 4444 %%%% !1110 4444 %%%% !1110 4444 %%%% M!1110 4444 %%%% !1110 4444 %%%% !1110 4444 %%%% !1110 4444 % M%%% !1110 4444 %%%% !1110 4444 %%%%
!1110 4444 %%%% !1110 44 M44 %%%% !1110 4444 %%%% !7/^.[>>[\ ^(+:VADFGET^9(XHU+,[%#@ # MDFN@HH \F\$^.+K1O#&BZ'=>"/%WGV\,=O)*-,/E@],Y)!Q^%94?]H^#[GQO
MI5]X5U359=J0:5;3PWD%FGG26[2%RI"CK@.!D()HM1\.RPVMUJUOL M>>0@#;PH5>>BG!P,U'#;:IJ?@'P#91Z#J\5QI.N6Z7236;J55J* /%T?4/!?B'QM!?
^%M4U<:Y.\UG<6=MYR2JP;$3G^$#=C\^.F:FG># M-;TI?A99WMA/.UCQK1HH Y/XDVES?>!;RWM+>6XG:>U(CA0NQ N(R3@<\ $_05RGQ2\,ZK##>:
MCX>M);J/5O)@U.SA0LQ9'5DG51SD8VM[$'MFO5Z* /,]8N=4_P"$OUF"X;6[M* B+[%'H^G!C?_)R7G,;8(.5P2H []ZS_#]K?Z1I_P -I[S2]0"V<5U;72I: MNSP.X"KO4#(4D'GIWKURB@#R/2[#4-
&7P[K5UIE\]MI^I:H+F&.W9I8UFD;9 M*(P-S# Z@'A\U:\2P77C&"T-KHM_IUK+KUM_ID<+17,L0C8-,RE=R 9VAF[> MG%>I44 <%X=U&;P5X6U'3-6TZ[:#0!B*XMK4E;JV)RKC& 7
)WC/&"3UKK]9 M1YM"U".-&=WMI JJ,DDJ< "K-S;07ENUO';*TL+I8]=T6UTO5<1LIM?+VDN_P#=/E-,G..=HJ_?6VL:6GBJ2PTR81R: MY:LLHLO.:* 11AIH8R"'*XXP#C!]*]6HH \@M[*[O?%U[#
R,.2Q/2O M=J* //8KY_"OB'Q3]OTC4;Q=4G6ZLY+6S>=;A?*5/*)4$*05(^; P9NC1@ #MRH./:NYHH \ATBUOM!TWP5J=YI M>H?9]/N=22Z2*U=Y81*[[&,8&[;P.0.A%22V\VJ)XNU"\|.ZR;6ZU*SGA6)6
MAND1(T7SXAC)92N[;U['!R*]:HH \:O=-\1>(- \2:98S:GJ6GM:P-;76I60 MM;F21)@[0@LBEQM4\LN,MCUK7T6V75?&&BW22>+;PV(EE>7585MX[4LA7808 M5,C'.,*<#&V?
@GP]#+I&J^=HGB#SKR-;*1F\LO,=Z #YUPZ\ MKGK3M<2\M+_6I-$@\0V&J7%P9(]/^QF[L=0) Q(=R;8]W\66!7%>P44 ,A,A M@C,RJLNT;PIX!QSBGT44 %%%% !1110 4444 %%%% !1110 4444
%%%% !1 M110 4444 %%%% !1110 4444 %%%% !1110 4444 %%%% !1110 4444 %%% M% !1110 4444 %%%% !1110 4444 %%%% !1110 4444 %%%% !1110 4444 M %%%% !1110 4444
%%%% !1110 4444 %%%% !1110 4444 %%%% !1110 M4444 %%%% !1110 4444 %%%% !1110 4444 %%%% !1 M110 4444 %%%% !1110 4444 %%%% !1110 4444 %%%%
!1110 4444 %%% M% !1110 4444 %%%% !1110 4444 %%%% !1110 4444 %%%% !1110 4444 M %%%% !1110 4444 %%%% !1110 4444 %%%% !1110 4444 %%%% !1110 M4444 %%%%
!1110 4444 %%%% !1110 4444 %%%% !1110 4444 %%%% !1 M110 4444 %%%% !1110 4444 %%%% !1110 4444 %%%% !1110 4444 %%% M% !1110 4444 %%%% !1110 4444
%8WB[4+G2?!NM:C9N$N;6QFFB8J" RH M2#@]>16S6%XUM+B_\#:]:6L337$^GSQQ1H,EV*$ #W)H \C?QGXXL_ L7BQ_ M&6AS$Q),=-DMD5VR0-
G!SGGVKTFZ^(ND:5I&C7&J">.^U.U2X2PMX6FE *AF M^4#.!DC)]#7FT_PJFM? &@:[H^C1Q^*=.1)KBTFB#BZ_O*R-QN'4=^O?&-#Q M-IVMW/C+2?&0TOQ%%:W&EBVN(-
)VB[M90Q)4JPY4D]1]?3(!T7B_Q^1X8\/: MSX7OXY+?4-7AM'D,8.4;=N4AAE3D#WK9\0?$OPSX;U1]-O;F>2[B023I;6[R M^0I[N5'''/K7G4_@W54\ Z)%:Z)]L,-
Q+XFCU&>VGN%N)8TP078]JA%K[7+;7)%GM9[-0X!PW[N3/*]-V,^@[YX .YU/QYXO\ 2/"W]E32W$0MT:%3>30C[[,AR-W3'?!..@) .@@^ M*?AZ[M=2:#[8EU86INGM;BU>.1H^ &
(Y&2/SKF;/XH7.M_#NRUC^T(])OSJ M*07#?8FDC(9WVHN]9<&B^(;OX.:/X=/AS4X;[2]6C:19(L"1#)*Y9/50&)H]4\ M1?$?PWX9U(Z=?7,\EXD?FRQ6T#2F)/[S[1\H[U)?_$/PQIVDZ;JL^I*;#4GV
M6T\:,RL1US@9&,$8/.>.M<MB*2WFLE#LC*I'EN#R MJY/7T Z]L.R\ Z]IGA_P):W%@\LT.OB^NXHAN6UC9@<$CC Y]R: /4O#7CC M1/%5U>6FG2SK=V>#-
;W,#1.H/1L,.G_UO6N;^*/C'5/#E[H6G6-];Z3#J4DB MSZK<0>:L 4# "],G/?\ Q(L:3H^H0_&[7]6DLY4L)]-ACCN"OR.XV9 /KP?R MI_Q"?78;C3I;?0(?$'A\[EU#3O)624G'RNH;KC/8=O?((?"&O>
(81]T^NZI MIVMZ%:VYN(-9L3&"VT99&C0G! SV[=\BMZ7QWH,.@Z5K3W$@LM4G2WM7\ILL M[9P".H^Z>M>9>%_"&HW>O^); _2O#EUX;T:]TB6SCL[MMIFG8<-L)^4#GV';J M:H"Q\3ZAX)|
(>'?^$3U6"71M4ADNYY44(0K-@ISEAALDXP,=\T >FZM\4?#& MC:E?Z=Z%\5_B!/:^';S64D^SHRV:JSHWEG:""<[&YR M1G&!Q6#<:%JW@_1/AI:W5C]IU*/5)KG[$'&-V/PS0![-H/CWP_P"(
M8K]K6[>%]/7?=17<9A>)<9W$-VP.M4=)^*OA/6=5@T^VO9DEDN6*6TLUN\<=P MPXPC$8)_*N)F\,Z[XYUSQ?K2Z5=:+#?:0-.M8KX".2:0,K;F)P/DVY]#WYJ
M&:Q\1^*]%\)^$SX4OM*DT>XMY+N_N JPHL2E28F!^8MUX[^O6@#N[WXJ]>%[' M5[C2GGNI+VWF,,L4-J[E2.IX'3WJ#X9_$$^.[/4'F@\BXM[A@]J)&P01=%^8] M6X.?Y"H_ 6BWVG>-?'-[>64D$=
[?H]O*ZX$J#?RI[CFJOP?M=4T73M5T+5-' MO;22&^EG6XE3$4RL0!L;OTS^(H]*HHHH **** "BBB@ HHHH **** "BBB@ M HHHH **** "BBB@ HHHH **** "BBB@ HHHH **** "BBB@ HHHH
**** " MBBB@ HHHH **** "BBB@ HHHH **** "BBB@ HHHH **** "BBB@ HHHH ** M** "BBB@ HHHH **** "BBB@ HHHH **** "BBB@ HHHH **** "BBB@ HHH MH **** "BBB@ HHHH ****
"BBB@ HHHH **** "BBB@ HHHH **** "BBB@ M HHHH **** "BBB@ HHHH *S==T.S\1:6^G7_G>0S!CY,K1MD'(^93FM*B@# M@O\ A4'A;^]JO_@RF_\ BJ/^%0>%O[VJ_P#@RF_^*KO:*
."_P"%0>%O[VJ]_M^#*;_P"*H_X5!X6_O:K_.#*;_XJN]HH X+_(5!X6_O:K_X,IO_(JC_A4' MA;^]JO\ X,IO_BJ[VB@#@O\ A4'A;^]JO_@RF_\ BJ/^%0>%O[VJ_P#@RF_^ M*KO:*
."_P"%0>%O[VJ]_^#*;_P"*H_X5!X6_O:K_.#*;_XJN]HH X+_(5! MX6_O:K_X,IO_(JC_A4'A;^]JO\ X,IO_BJ[VB@#@O\ A4'A;^]JO_@RF_\ MBJ/^%0>%O[VJ_P#@RF_^*KO:*
//D^#/A".625(]2623&]UU"4%L=,G/-$GP M9\(2O&\D>I.T9RC-J$I*GU'/%>@T4 <%_P *@\+?WM5_\&4W_P 51_PJ#PM_ M>U7_ ,&4W_Q5=[10!P7_ J#PM_>U7_P93?_ !5;?
ASP5I'A6XGFTTWA>90C M_:+IY1@'/ 8G%=%10 4444 %%%% !1110 4444 %%%% !1110 4444 %%%% M!1110 4444 %%%% !1110 4444 %%%% !1110 4444 %%%% !1110 4444 % M%%%
!1110 4444 %%%% !1110 4444 %%%% !1110 4444 %%%% !1110 44 M44 %%%% !1110 4444 %%%% !1110 4444 %%%% !1110 4444 %%%% !111 M0 4444 %%%% !1110 4444 %%%% !1110
4444 %%%% !1110 4444 %%%% M!1110 4444 %%%% !17B=E\2]N M,$^E=[J>LR6_Q.T721JTT4=Q:2R-8+:JR3%0WS&4G*D8Z \EMML,(3DJS9^]C! &>HJUH'Q+T3Q!JEOI\=OJ5E-=Q
MF6S:^M3$EV@&28SD[ACGMQ0!V-%<+;?%?0KN[A6&RUAK&:X^S1:F+(_97?., M!\YQD'G%=)#XAM)_%%QX?6*Y%W!;BX:0QXB*D@8#=SSTH UJ*YG7G7=3OM,\8>
M&E6)+37);JW2"ZL[VT*^?:7<>R1 PRK<$@@X.""1P: -BBN(U M?Q9=:1\1QIGD7U[;2:0)X[S.@#N9/-8%\G&!M '+ =.YK07QYI,FBV>HP17L MSWD[6T-G' ?M!F7.]"AZ%=K9)(QUH
Z>BN4C^(&E_9KN6ZM=0LI+*XA@NX+ MF$*\'FD!';!(V'/4$UIW_B;3-,U-["E:-XK)[^:0CY(H5."S'MDYP.^#0!L M45S.F>-['4;^TM)+#4[WH)LY+VW\M+C W84Y.#MYPP!([5J:YKMEX?T\7=Z
M9"'D6&**%"\DTC'"HBCJ30!I45RJ^/\ 2([6_EOX;[3I[$1F6TNH,3-YAQ'L M520^X\#!//7%2V?C6QN)[BVNK+4=.NX;9KL6][["$>6)>K)@D''&1G(SR* .E MHKD=/^(FE:C/IH6RU2"UU-
A':7L]MLAE<@D(#G.3@XR,''!-9FF?$=8K/Q#? MZY9WEO::?JGV6-Q;CY4)154@,26!;)]CQZ4 >@T5RI\=6PCM5&BZV;ZY#M'I MYM0)]B$ NP+!57)&"2,YIR>/=';0FU0I>(1=FQ^QM ?
M'VG/^J"#JW?KC'.: M .HHKS[Q)\1C:>&M2GL-.O[?5;.6!)+6[MQOB65P Y ;!4C< 03\V :W+SQI M:VUS'9Q:7JMY?&W6XFM;6W#26R-T\S+ G!^4$DX/% '2T5S4_CG2%TW3;RT
M6ZOVU,L+2VM(MTTFW[_RDC;MZ-N(P>*]>#/$=SXAUKQ-YAG6VM;N**"""XA$; MP_N5+J1C.=^[N?8XQ0!V%%<]>^,]*T^SUVYN3.BZ*ZI=*4^8[E5E*C/(;<,= M.:KZQXOTY-(S!=7$;W>DSZE#
<01*YAA1 ?,()QGYUP#P30!U-%>?GQG?GQ.^ MD1074EL-"6\2Z,"C=(03YC'/"X & /O9'3%+X2^(<5YHGAU=4MM2$VH110_V MC+:A()KDIRH(YR6# ': >QH [^BF331V\$D\SA(HU+NQZ*
,DUY[X(\5:S?: MZL>MR?Z+K=L^H:2A0+Y4:R,#%D#YCY9B?GU- 'HM%<:WC2PT:#5+F^N[Z[2/ M63IZ(ML-TDG3;&[M8KR\EOI7@@LX(?WYD3/F*RL1M*X.KGQ5+;ZO-")X[%+:+
[(A(R(B"IV$\MAIR"4Q@8#,6) "[N 21GM4$_P 0]$@T M:TU+;>R+I'8YH ZRBN1/Q M/MJV$>BZW+J/V M9+IK-+4>8D;%AELL ""O3/<8S5B3QWHXTK3KZV%U>-J+,EK:V\):>1ESO&TX
MV[<'=D@#'6@#IJ*Y1_B%HL&C7NHW:7MK]@GC@N[6:#$T#2$!25!.0=P(()!& M<9I3XZMA':J-%ULWUR'./3S:@3[$(!=@6"JN2,$D9S0!U5%?9[V (\L2_>9,
M$@XXR,Y&>14&G_$/2]1N=-1;+5(+;4B$L[RXMMD,SE2P4'.WVGW9M+E);=%G"J=@:9%8X8$?=8]17+:[K5[X>M(+W2_'_ M /;5V;F*--+D2V-9 M+E+" 2>0K>+M":ROU;1+S2KF[IV]E?
2"*SO[BVV03L?N@'.1N[;@,]J6_^(&E M6%S>K]DU*XM+"3RKV^M[?=!;L,;@QSD[@#JZ*Y?4?'-C8W=W!;Z=J MFI"R56NI;& .D.5W $EAD[2#A<\&J4OC9YO&7AVQT^VGN-+U2R>Z\](0=P.S
M8V200H#$MQD9% ':T5QFG>-;*V\.:5*\^H:O>7[S+;1QVRBXGV.P8[0JA<8 MR2!C'+;36-5FTMK'4+"^BA%P(+Z$1M)$3MWK@D$9X]1Z5D_$'7+O2&T>%=2;2--N
MYW2]U181(;&;B^AO+B7_A)K?7O#OV;S%O7DB, ML$@/*EHP%92N3DC(Q4]CX^TR^N+)?L>I6]I?R".SOKBVV07#'[H4YR-V.-P& M>U '545QEQ\2]DU'&GZO-;Z;+)%>745KF&%D;#
MGTYX[5L:QXAL[":&Q, MLHN+NVGGB>%_EI&N2YR<8Y4#U)% &W17(6_C2TM]*T6*--2UF_O=/CNU2VM ME\YXBH_>N,A4R3TSUX&:F;Q]I#V%A<6D5[>3WS2+!96\&9\QG$@96("[3P22
M!0!U-%\BV.FX94\$@@CN": ->BN0E\67,'Q*DT&6UF73H]-%RT_E@* M&W'+EL_< &WI][/UI]G\0=*O)[/-GJ=O97T@BL[^XMMD$['[H!SD;NQ8#/:@ M#K**S/$&O67AG19M6U$R"TA9
YC7<1N<(#CZL*SK+QI8W5Y):7%CJ.GW*V[7 M4<=[$,T2_>9,$\C(RIP1D9% '245QUK\2='N](;5!9ZK'9-Y2V\DEH1]K>3 MA4A&W?..:E/Q TR&VU%[VQU.RN-/@%U-:7$ $IAS@R* Q#*.^#QB@#
MK**QM4\0V5E/:67F2&>^AFEA>%0X5(TW,YR>G(QZDBL>T\:VEOH^AHBZEK-] M?6*W2+;VR^<\>!F5UR%0$D<9ZG S0!V-%\>1MH6I:IJ4MU.'UJ>SL;=+ M?]^XR-D03 .X#.
<],')KIM$\2VNMW%U:"VN[*^M0K36EY&$D56SM88)!4X/(M)Z4 ;-%9RZW:-XBDT(B1;Q+5;L;E^5XRQ7*GO@CGZCUK'?Q]I)MK:2V@OKR6 M[GFAM;>VA#23^4Q5W49 V C[Q(H
ZFBN9B\=:1)IYNF2[AD2^BL)K:6+;-#- M(P"AUST^8'()&.F:UCK-J/$2Z'B3[8UH;P?+\OEAPG7UR10!H45FOKEG%KS: M/(72Y%F;W M I8^W- '345YO'XXNX7*Q6OV[4X-2O+J.>X:U17<(90% #
#:5'U5<]31I7 MQ&^Q1ZZVKV^IW4%AJ]U!)>06@,5K$LA"!B,9P,9P&('6@#TBBHI;F&&U>ZDD M58$0R-(3P% R3],5S-EX^T^[N]/C?3=5M;?4G$=G>7-L$AG8@LH!R6&X D;@ M,T
=716;K>MVF@:=]LNQ*P:1(8XH4WR2R.=JHH[DDUFP>-M,-GJ5Q?P7NE_V M:BR7,=]#M94;.TC:6#9P0-I)SQ0!TE%<[IGC&SU#4HM/GL-1TRYGC:6W6_@$ M?GJOWBI!/(!!*G! [52A^(FES/:2?8-
533KR=;>WU)[;%O([-M7G.X G@$J! M0!U]%#Q5JP\;Z?]J6JP MZ>EKJ%NUW"\UE<7%OLBNE4 DQG.>A!Y XYH Z:BN"\.>."G@KPY/J2W>IZSJ M5N9%@M(5:67;]Y\?*JJ,CDD#FM8^/-
)_LD7HBO3,;L6/V#R,7 N,9\LH3C./ MFSG&.WEU:ZA:26PA&*-G# @E2,@C@\8YH VJ*** "BBB@ HHHH ** M** "BBB@ HHHH **** "BBB@ HHHH **** "BBB@ HHH MH ****
"L+QE+JT7A#4_[#M7N=3>$QVZ(P!#-\N[)('RY)_"MVJVH7T.FZ?< M7UQO\F",R/Y:%VP!DX Y)]A0!XI<_!+55^'J647B&_DNH(1=1Z;\HA%SC) / MKDD Y[UTEGI7B34_'W@W7]2TN2 VVE2PW[,Z?
NYB&'8]SR,>M>G1N)(UD7.U M@",C'6H+C4+2UN[2UGG1)[QV2WC/60JI8@?1030!Y7X<\!ZQ)\#-2\,7=O\ M8M3N7E=4D8&7)!/!V@54\(^%=8F\0:
^H^'M6M_[)B)DN=1UH^<")),C*;.HP"3GVK6HH YOQSIMYJ'ALR M:9!Y^I6-Q#>VD>0-\D;AMN3ZKN7\:YN_\+:Q9?##1X].@\[Q#IDL5^(]P!>= MF)F&2<<^9)7?RZA:07]O823HMU6WF>4Y
M8#S(RC?*Q4\'GJ#0!Y_K7@BZMO#WA!+6WNKO^PAMN;>SNC!-*'CVNZ.&7Y@W M.,C()'>M3P7HS0:UJ6JG2-0L8I(HX(9-3OGN+F5023D%W"*">!G/)KMZ* .9 M&F7?_"SWU7R#]B.C+;";
(QYGG%MN.O3!KD7TCQ-862Q);:DFGRZ[?7%['ILJ M)DSZC!;ZC:6,GF>==!S'MC)7Y "9 M>'?!\]U=^,;;4=,O;/3=9M;>* WMU]HF.%D5BS%V(8%@V,\<>E167@[Q!KO@ MGQ(-="6^O:I;I9IEPRA(4
3D= [[V/\ O^U>DV^H6EW=75M;SI)-:.$G1?\ MEFQ4, ??!!_&K- 'E^D:#/>:WHS2>&]2:&%U4@>2OFMO))(MR0!C/KBNH\:Z9?W<6CZAIUL;N?2M02\:U#!6F3:R,%)P-P#Y&2.E=110!YYK ML?
B7Q3;_&NWT,VD&FW=K>6=K>,J7%V\;EG!(8JBX("Y[C)P*-0M-7\6:Y%J M/]BW>FVNGZ;=PQK>%!+<33(%VA58X4!>I/)/XUZ'10!P$F@:F?!O@.R%HWVC M3;FP>[CW#]TL<>')YYP?
2LN^T+6Y+3Q'I2Z1<-]H\00:E!.&3RY8?-A+ ?-G M(",2"*]3HH X;Q?!K4WB2RQ#K,V@_96#QZ-.L4IN-PQO.Y6V;>F#UZUS>E>% M=>TZP^W+HTPFL?
$CZE'8/="62:W>$(<2,Q#.,G[QY*GGD5Z[10!YYXE_X23Q M7X6UN*'0GM8,6YL[>X*+%]1OO'^GS6MN'T>_,+ZHQ885K9FDBR#UW M%E7C^[S6/H_@W7+?
PUXLMKRU+3IITVCZ0N\$R6Z^84(YXW;U'/\ <%>L51FU M:TM]0>RF=DD2V-T[LA$:Q@X)+=,^W7'- '$G2M7M/$5K*-+GF@N/#:Z,HM2&67_C MW$: OU]0>.O'2IO$WAVXC\6*34)
MKN>&WU%WOK8L,)(LA<;G.!N ;'/?FMSPL?$6D:-J$MU9ZI?0&\0:?:WT\;7: M0D*&,CYQ@'8Q<*5("[UW+@]^/2@!FOZ1'K_(>U'2)6*)>6[PEP,[=P M(!_#K7)6VO>+['0H](;PE=3:U#"
($NTFB^QN0,"4N6W =]NW/:N^K+B\0Z;< M1Z?);3M/%?RM%;RQ(S*S*&)R0.!\IY/!_&@#E%LM?\-^)8-;NK2XUW[3I45G M>262QK(D\;,VX(2HV-O/3ICI5"U\,:V]SIVI7%AY4MSXG;59[82*QM8?(:-=
MQ!P6X4G&>6]J].JCIFK6>KK=-9R%Q:W,EK+E2,2(<,.>O/>@#B9]6N*^*^M M-;Z=ZE&^EV@?[(4\Q&#R[>&9>#SD@\8%4M/\-Z[X?GT;Q"^FM=W"3W\M]I] MM(I>%;EPX\LDA6*
[0",\Y.*]'CTVSBU.?4D@5;R>-(I)SE=/-\J"8,\CX)4$AFXR3A:W/&$&M3>([+$6LS:#]E8/'HTZQ2FXW#&\[E; M9MZ8/7K70Z[XFTKPXU@FIW!B:_N%MK=0A8NYZ=.@Z<^]:] 'D-IX8UVR\)WZ
MC1+@31>)H=4BL_M*S220*T3<.S?,V%(.3U!]JOZEX;UN_P!0US5;;3F$O]IZ M=J=I;3.JFX\F)-\9.2%.=PYXR/3FO3Z* /.M4L]8\7:NNH#1+O3K:PTR\AC6 M\,8EN)ID"A0JL<*-
O4D9)_&K,^@ZDWA7P':+:-Y^FW=D]VFX?NE2%E2:W(BR/F59XV;KQ]T$UG>)/""']F7-GXD\ M(:7;1:M8N!+:P1I$MY 3AXST&['*MVQ77ZMJEKHNDW6IWE+6UC,DK!2Q"CK MP.35I'$B*Z_=89%
'EVH^'KJT\6ZSJDVD>(+VVU413P'2M1:!HW$80QRJ)4' M\((;GKCM3K?P/J!CTJP%BMC"="U"TG\N;T^S$2N7S,2P9=I)R .0..M>AU6GU"TM;RTM)YT2X MNV98(SUD*J6;'T)H \WU?
3/$=_JFLV^IV6M7S2G;IRV%Z+:QV&,#]YAU;(; M<3NW9&, U+HND:SI,W@&XETBXD6STQ]/O%C9"UN[>4 S MRHV-DC->AV>H6F MH?:/LDZ3?9YF@E*_PR+]Y?J,U9H \KT+0=<\-0>&]7;2)
[M[."\M+RSA=#-& MLL_F)(@+ -T&1G.#3KSP[KFL7&HZT^ER6S7^K:;)'9R.AD2"W<;I'P2 2"QP M"2 !7IMS.MK:RW#J[+$A> J M#.2<],8.0>F* ,M]-O#\3X=5$!^Q+HTEN9LC D,R,%QUZ
FG>)Y]?LKJRN]+ ML1JFG /'?Z>I19'!QM="V <8.5R,YK9TO4K?6-+MM1M1)]GN4$D9DC*,5/0X M/(SUJW0!Y9#X5GU_6=2N]/\ #S^%[*ZTFXL9O-$:/=22 !6,<9(
3D[CRG7/AO6EN;.:%KJ:\UB1[.,18.^)1*=QR!M7:,9YQBO7:* .3\+Z M%+%IGB.RU2UVPZAJMY)L8@^9#(>#QZBL'PMX8UV"RUF76HMUW;V!T;3CN!,L M"!L2>QO/R"O268(A8] ,G%8D?
BW2)/L_[V96GL7U!%>%E/DH0&)!'!^8< M'F@#C]#TW6?"<^CZE)HMW?1OX?M=/N8;4HTUO-$">C, 5.XC(/!%1:OHFO:C MJND^)-6TF[?;#/;W%CI%ZT,]O&T@:,[ED7S#@8G!J/2-5M-QU309-+-
W M$5(MY"SG+@D'&&'(!YK/DM?$&M^&]&*S>'KFREM9K7[9>R21F!4@96+1$,6 M8ML&!@8SSC%>F44 <9\5'DC^'UX\4:R2K<6A1&. Q^TQX!JG=VVK^*?$-IJ# MZ)=Z9;Z9972
7;1[YYID";5"L?E !.XD9.,5VNHZ;9ZM9-9WT"SV[,KE&)) M5@RGCT(!_"K5 'G3>'=7A\ >#?(L?-U'0GM;B:Q+JK2;8BCH"3MW#<2,G&1U MJ[:V%YXG\9-J]_H]QI^EQ:9+8"**"6X,K*6RJLV%
7')Y)KN** /-_"/A?6 M[5-4DUF/=-96)T?3&W F6W4L1)[%\QCGGY*AT+2M:*2:#JDFC75ZO\ 8$&F MW=O;,AFMY8SN!PS %3N(.#Q@5Z:2 "2< =35>PO[75+&&^LIEGMIEW1RKT8> MHH \HD\):
[>::FIW6DW,=Q!X@N;^33[:\$4SP2KMRDB,/G&<_>&<$=^>G\&Z M,T7B"_U;^Q]1L8FMTMH9=4OWGN)1N+-\I=PB].G5AQ0!QOQ/BO[.'2];T8J-6CF;3XE)QY@N5V >^U_+?_@)
MITWA^Z\)ZKX>U'2M.FU&RT_37TR>" J)E4E&$JAB Q)0Y&<\YYKK+G0-+O-: MM=8N;19;^U4K!*S$[!SR%SC/)YQGFM*@#RS4/#VOZG!K?B!=*>*ZN=2L+NWT
MUY4$K16Q7[Q!VAV&XXSQ@#-;FDC5M4^) UV?1+K3M.72'M8S=,GF-)YRMRJL M<#&<<]CTXKHXO$.FRQPN9VB\^Z>SB65&1I)5+9 !&3]UCGI@9J;3M6L]5:\6 MTD+FSN6M9LJ1MD4 D<]?

O#F@#D_B3H.KZI;V%UH,6^^7SK*7#!=MO.A1VR?[MI"-^%4]&|'WVG?$63%L(_#EF7O;([@R7-O"R>8]2F8*PRP!'S]>N<&KY(;K_PK[QMIPLV^UZA M>:C);1[ES*LC,4(.<#((ZUZ)5&;5K,#6;;29)"+RYBDFB3;<%4*ACGH/O"@" M"YBU*/PI+%IVO-46R*V_F8VB;9A<]L;L5Y!%H,M7MYX8N6TGO"]U9ZA!-J%Q_MJE^&1< A_+C$A4C)SD*. <=<5[!5;4+Z#2]-NM0NF*6]K"\TK $D(H))P.O MH_Q_&MB^H^''MUT=-7C\V-I;0R>6[(&R3&V1AQU'(Z=:X*;PGXAUG0=>TVT& MKPZ5)#]E;ZU=!IC/'*'8*RL61"%51ENIS7IUIK-G>WBVT!E+O:I=J3&P4QN M2%^;&,\'CK6A0!YGI.B7-SXAL;VV\ZS:/8O3\A :-;U2281$,A55C3S7# Y M.6(Q[UA3Z'XCU/2],^UZ5XAN=9M[VVGOIKR_SSM/35:SU"H[1]DG2; [/,T$NW^&1<;E^HS0!Q$WA_5&\/_$2W6S8S:I-.UFNY M?WP:V1%QSO|P(YQ5VXT;4'USP7.MLQBL+:X2Y;(_=EH%50>>: /*;3P9|FGZ?X4OKS3=3G%II;V-Y;Z M=>F"XA)<.K JZ[QP05W>AYQ6@/"\Q\/7DTOA&XGBN]2CFDM)]1>2^\|$VK,' M.F%E'90WW>,YKTG4-1@TR&.6X\S:),D*^7&7.YV"C('09/)Z"K= 'EMMHNNS M:#KEM/I.H:GHTCVYM-.UJZ4W153F4JX;*_PE-S9RO:M;P18:O;.Y>%(:MO# MWV95BMM9G6659W/EX9F"!>.3R3O7>5CVOB?3+$[..=YG$]W+9H1"V!+'NW M\<#Y)#R>=# ^.&O1152QU0<&#$.6\[VI[XRGS]<'&>H]OP: +=%48=6LY]9 MNM)CD)O+6*.:5-IP%?<%,>A^Z:O4 %%%4;#5K/4KF_M[60M)8S_9YP5(VOM5 ML<]>&% %ZBBB@ HHHH **** "BBB@ HHHH **** "BBB@ HHHH **** "BBB M@ HHHH **** "BBB@ KG?'EU<6/@#7KJUFD@N(;&5XY8V*LC!3@@CH:Z*]NI MZ=:ZOIESIU']YEK[U'4+U[IKB]A>6.=HR_E)* OV_Q M$* 3W&0>M>]VFC6%CJ-QJ%O"4N;B**&5]Y.Y(\[!@G QN/YUFR>"=!?3;"P% MM+'#[\S3VIBN)$>-V+%B'#9P=S9&<;+J7B;6M,U;78(->7%O-;3A+J3S:FVCNI4@N'_O/$&"L>!G M(Y]YK'\4^:,V\U]I[?#5Q]=N:=8H9+?4'I%_SNCFP0)(\X(:..1@T ^. M ,&TA9M=\2?#O5KZ]NS=W&C332F.=D5G40G[HXPO)W#H>.]*30-1/Q/##X6T M:[U:^A@NTU"YN9XIV2:X\JX*)&)!\P #9.#G KO!X+T-()&2.WFC_L;BO;. MYD5HUXRI(;+*=HR&R#BDE\$Z#)I-IIPM9(HK.5YK;2&XD26W8LQ60'<,ECW MQ0!PE6JZAP^EKKWA^SUN*>HZ8+6[DEWS1+<.-T;.?O@8R-V>&PW+3EP4E1=8CD<<5M0>"]"@TTV*VCM$]REW(|MDSM)+,C\E=W)W.>&^_L2L0LA5$*Y'?&3CZUPVE_P[JVW@+PKXJ?O]JT^I7 M%W:1S++=,T.D4DH0H8_NGY3][IV>HSPEKJS618'W$:1('X M!P<@#K5-?"NCIH5EHJVI&GV3QR01>;WRM&P9#G.3@@'DT >;W+WA^?O[?Z? M?W<5R^]6MHLTLS2)")E@#2:6XW*&,">@P.E=.UM<>%/&GAVSM-6U*[MM5.\- MS!?733\I&7$JEN5.1@@S69D?4X1#>1M*YBF)3.W= MA0-P&>,M)I'@_1]&OA?6Z7.UTL?E1RW=U)<-&'_ =0NOVCCM0!2\9WEWHT^BZ MY%<2I96MZI- $'(1H9ODWL ^QBA'IS7*W&LZMJ44=U#]=S:V7B^#7+2\-\>M3:1JXS'G[62-&WS?[0]I[`QO9ZIJGARXTC3+""Y.H1M;2RSS!%MU88\S&,MC MK@TR[L[&WN7FL6S:-/>2R_9QM*[4#,0%PQXZ=/08 ,GX:V=W>;9 PD%_ MK.IW<\TMU L$UP3"B+.RC"?WAMZGGG'3&%U6TNM;^)\FDR:MJ5K[]:-'<-!9 MW+0IY#,ZYW+R./3&<#/2NOTK2K/1=/6QL(C%;JIN$+%N78NW))/+,30-*LUU MJI8$1^W;BU.FX_ZL,6 QG'4GG&: /) [?UZ32-"T-9I3O#/JM :336TZ1W4 NT5S\)QBH!(QDY!(4XY-3S77B;[2#6Y%&J6UII1MM2@@O:^ ,> XV*Y\ ^-BCL MS1L@)&%I0 ^ESTHM?V;(Q _[AJ];YBVZ1L;CR>,@X'%'F%UHMY<^-_%^NZ*H_M-MS2:VVEMUS@7$9MD\R!09@.:/0@5%[BJROQX\UZSU*>QAN18*D\4/F31NT038-M$_YZ;LK{GM7[EIL-E8ZA?WUO$4N+/T>Y?<3O*]$7@C-X_%9;^!O#CPZO$= M-01ZO(LUXJNPWNIR&&#\ISSE<<\T <7I4E_;^.M TO9XCL,#5+&Z66/5-1$T MCE0N)$P[&)AN/.1UX'%4O!K7&E^:? "6U[>>7?:A<>?&TL,K 1S87!/"Y4'' M3/->@V'@O1,#5+!?5%2ZGU&WD^ZEPLD6]>W0'GK1\ @G0=,>W:UM M15%=#=VZ-<2,L4C*5;>"V _,W'3G.*_3\.PW.K>%+#OA?>*HPOYQ)4/TE MP'LB9=OD&(D)C'R9^IN.<]JQ_#U. ,.Q7=;-"UF$ P!]%K]ID^SB;.?,\G=LW9YZ=>>>M M69_".B7&F7FG2V9-M=W37DJ^:X;SBP8NK Y4[AG&C@%.&W7E'Q"T^>_|'2R6 M:YO['09+ZT]?-AN8W 'UP5_X%7H5AHWV+7]5U.2DB^6]/+W,<>6I&[D]3NQO M@?*.Y-6&TFR.6TUAHH!V:.*60_4)Y{_$U=\2WD]]<>)+BPN/$M]8%T2>ON5L[2Q9(P2IS M(/-(/+':W7%=U:>"O#]HHL>CV^GB.QCNENUB61N0X<-G.>"!QTP.=*4NO >M@7EY>3S07.R]?S+/JV2[E2"=\8+/&& "DG SQSB@#C+NZU[5H=$U&4;[/-G)HM MO-/:Z/+]&M'B&=QN.K1AE+@C&!G'\XL;B]U+6=.\/W6GW>]ZUIBV4GVF"SO!8 MW$2*X3S74.18 JRE00-W/-=E/X$T*5+.1QW=]JG;+9Q2VE[+#)Y"]\[V96!8# MWS3I _N@2VUG##;361L8S%;2V5S)!(B$Y9=Z,"03R1W5P9(W*PF0,]'A""/X0!@\XK>B\!.: EK?02P7-U]M@^S3275W+ M-(8?[@=F)5?8$5KSZ/8W-I]Y+"6GT]N;9MY&PLA1N.X/RDCG .'G*ZWJ7_"MD+/4CJ-Q]O>ZB0W!E/F$&]"D;NOWA MX[%%525EMMPR002Q(;(/:NO?X<>&'ED+VQ2-!>##"-'*L3$Q7<0 &P>>0?2N_P!4\&Z-]UVEW)'<6URL0@.ME=26 M(/$.B.Y.#"

G;EG\&Z%-8Z99K9M!#\[/[/\31'&#AE()R"\/#*]PVH&2TEQ?SKR.S(Q'L0.9KU*&)(((X8P0D: MA5!)/ &!R:]/I%D^MQ:RT)_%;M;)+O/$;.&(OG'51SC-'*ZC'/KWQ"DT"7M4+VRTVRTR.Z6&RG:!IW>1ER67#;5"C@'&3S6#9ZWJL=WINFR:G:=Y7EVEB"S,222F//I@=.*GU-M70-.UJXT^?4+432Z?<"YMF+$>7(.AX//T/'.H\^V;QJU->Z5X?FU&X>[T4M7K:I+YA#3>6OBAW']=V[?S_=K+TN[N+^#0KN[GDGN)?!EX\DLC%FIVGAW2K'5=3U.VM!'>;GL^UR!C^\VC:O&<#@]L9JM,^#]#M8K:.&S*K,6+Z M?$/-<[8'P67KS]T<]?>@"/P7_PDZV?]=V_P#12UYWHEN=>'_A+H7B>SUK M4'O(C;XMC<$\U,R]AA\K[O1CSG=D9S7L5C8V<QM*\AWX:TN6T:UM)O%..)(+9[N5X8Y!TD$;,5W>^.O/7F@#BI[[7 M]?U+Q+<+1V_B!C8WTUI9R:?]$-O!;",##,C2+O)/S'<",$ 5Z+I6HW[^#+74K MZ*,W_P!A$TR1.K]T@3)VE2003TP3U]K]?@70=6OKB[N(;F-[H!;]++>[EA2Y M&)%1@&XXY[<5T$$$5M:QV\$:QPQ*$2-!A54# '88H \\\.64|QX?\ #_BF M[\6WL-[>F&>X\^XS;3>9_P L%B)"+]L:I'((UD))+J5Y\.;SQXVOZC#]Z)- = MQQ+<$6T8C=@(##]TC"[3D9R'9[V2X>TF\N6.[1):"YD%M)+}G.]H=VPG//3DT <[9VEY MXL\J^(:H,O6=7L[6W@LW@MK.[:$1/)#N8Y'/[!'3E:RU)OM6\5/X(@9 OOX M(W2+[+6\^RS&)IV1HP"2.0^>1@!1W>GVVDV5IJ=]J,.6VZOO+^T/N)W![M7 MC.!@^M5/3O^NC;4^G/9VAC;3K=[:U_>LVR-R"PY/.2HY.30!YM=ZYK>FZ)=Z M++:WNHW1_X2@:3',)E-R+,K[UZ'<$>$M$NK/4;2>O#PZA<_:[@&1LF7"M@.ISE2-BXVXQBFZ/X/T;33=NL$MU+>1>1<37T[W#R1\_(63QTH Q!X;7 M3FL\^+M38WD$D,T5S>,YO&.9.Z+++?NV&"WR#ID8[UPVCW&HV?A'P'HFG_P!K M3P:I,S75RFI>+'._EHN(XW=EVSDA2#P<=37]&E>"M$T:JCNI;&x>&6.Q6XN M:J95^:FHS&YVE3=YJ*S<%<% MBJC!'&!UKHO^$8T?SI)&LEZNQ96MU)(0@C'\1YZU\0M/.AZT\S-K/M=*]NUJ]WEVI).(X6&&1 [:"..*.%M+W4M/UKPKC6WP_T"VGLIS%>3RV.BR6C7]+Y&WH$W.<#V[X&JEG\?#ME M>6=S%;7+/92>99K++>2NEL<$8C4L0HYZ=.GH*$\>WMU8Z/\EI<2P.^K643 M&Q4E&F4.IQV(!%Q XJ%/#^F1VNJ6R6Y$6]222 M7;^8W|QG4(QZ\94 <8H XK3IKWQEX@BM+ 4[ZSM[:1;2[$=E<.;F::8.6D)7 M!(7: 'TR:Q #.UW96?ANR34)W2;Q)J.%Q*C[?M"CSSEMN!R0&^M>@7O@O1;Y M+(-%<0264 MH9K6ZDAD$('EET8%EXZ$FGV(@W0=-@L(:Z0\]*PN7NK91(^(MY'#!CUYX9N#P,T<79:SJMS%IG@UI^Y_M>#5G@0:D2$2M:08E\PMU^=&A7/? M<:@CU75.1O8]%?5+R""^\3WUM)<1RE9$AB5G6)&ZH"0!Q@XSBO1HO#^EP^{9M]>CM%74YX!;R3Y.60'(&,X[#GKP/2]EQX/T.YL+FRDLV\JXO&OF9975UN&.3 M(C Y0Y|"*/-=;AN?#5Q\0C8ZM?/+#H|!)!).7FA^;7Y=_WCGD@DYP:[GQ! MJ/%;3K>/.@!] L8]15;228ZE"(.;UFXDF:.MX4;L;BS$D_>?2'IF=X"T#3;VWO(X+B;YME9(+]FEF.,;I4H-['Y<$\=* M7PSX5O-.\2PLP$EE;Z!:,/S%^6 ,+SB=AS5O&Q)/.X2*)2[NW15 R2:\Y\$^(]9F\ M00 K4[FS\1VTE!]D3@#R-CG]T/K$T;_@:Z;OSIVI:UX:?2-_3F_EGM[F4.%\MJW9OWKQJ^ESQSVD-QJ.LD,*" T>)*"]"F.M1VH_NR>_+'1(]8N9_P"U;T)K0L!$$1F61HT*I$ 1E.1UYR35M_&TF^ULXO#N MJ2ZO-"T[Z>#$'@C#*%0SL7" $@XY)/I6'+X5UF6XN9/L8 E\66^]_&5,_9U2, M,W7]"IXZ\5)XI\)S2^.#KPT6;6;2>S2VD@M[W[/+"Z,Q#+#H&4AL$9R,9H V M&\?6$EC8R65C>W5I>W$EK'IX5$F26.$R*^Y@]I<<\^F.YK9T/6?[.M)96L+R MQFAE;&6WNT"LK#'0@E6'(P02#7!.XO4NX_# M!<>#]/NH);^6ZNM.ANG.Q$&& M$=)GDP9_Q! /.'?I/ >EZMI=E?IJ/VJ*UDN=UC:7=U]IEMXMH&UI,G.6!(M&3@=Z '-CX^TO2]'UO4;F"[T>[%[- %4R.YV;2@SR&#]1DCO6?XW\8I,^&M M3ATJ6=.W^QFU**YCQMC3("$G/4DG"\)J/6/!]?_$6VO%BC?0;D1W&H L,F M>%)$C&.I!\Q/^_8K$L/ GB"+P!XHL+R))=4N;8:=8+YJ_-,0KMB^;.!DLQ.? M6@#KM*\,)=:G8:?>Z3J-@;^%I+.XNE0).$7*+4& MTG4DT*680QZLR\Y));:&*[MX0G@,5QS4^Q:#>:EKOAB5(LVUG]I6Z<. 4#V[M(,@YR>UN ?Z]K M=OX>TS^T+N.5]=98XY#& =@=PFXY(^4%AGVIFQCD#2SXLOO#K&1+JRM!=RR, M(PG&0#G.0&4GCHPJ]KVDQ:[X?U#2IL!+NW>$D_PE@0#^!Y_"O+:,CP)XLO?#E MG=2I"XAO;N>/4R)5.RVFC$+$.GC"OQ. *_G6?&'VW1]7U#39]4M+AO#!U&_MWAD"!(U+/LDX)/F<#VQCO6SX=U2]NO&FHVD!R\EO'I5C,D9/ =_,W-]3@?E6 M=XG\);C>7VN_V,:*;,X\,?V:;CS%7,H>0A.3P,,O)XK6T#1+^Q\7ZA?W$(6V MFTRSMT?>#EX_,WC .>_PYH I;SXDU#3/B9#IUM9WVHQ3:094LK;8!Y@FP78N M0]@+QDGN!W]_P)IC:+#4]VMZ]Ü-=M8IIPC'VC[0N=T9!.T$ #SD6QOSFJV ML6^NV'Q BUW3'.I6A 9V2S(YXYZ_F[AM#D^^2.OMBN;O/ 6K75C#]]S M81W%^VLS:G/I:71C _=R1B/RUE! W]JJKWEUN]C=:=]5 MHJO+:76TML:.UU9"593@C(//IZ:[:MXGET!HY4NEM%NT=@.DB%BIVG,<@X MSD=Q7.^#=>RUJ_U-O#XTB)X4@A6>[:XN7 >9BQ\OD55(]8^T-I\.3@NMRI0]\G:_P#P T :0^(-EO,+6VA M"!(XGVM,2S!5C)ZDY%2Q>/ .>S262TO(+G^THM,GM)442P32$!=WS8*\M@6[@3=*H7'AZ]\,ZUHVIZ%IQU"ULM,.ERVB2I'(]RLKH6(&G*)D=:RKSPM.MXAOK?4M>:.OB35+C5[/(4(M-\[<^5;:0$,GW0[$^@XYH [#5/%=EI.H7UG/#< M-)9Z6^J2% N#$I(*C)^]Q]/>G^& $1\26CW:.;5?V5]0KV\MV]K]H1AD,H#$@ M?7'45R-I'B3Q!JNO:C·HOV&.Z\.3:=:0R7.;R&4DD;MI(&=W]1QR>U=UHEM M+9.#!UK.NV6&UBC=0H6NF-LOKJU1"D+8#M%0&8.Y4$$A0<4^[\.1+?S6>DZ/[.L/:1)+RWMG>?:$2.%Y0.B56(:"L"?E!R.:*=:VOB3POK6KW$ M&CC6H]5.5QYEO/#YP"D:N<\#:>^ 58M\#&1-R MG+:3N5@%()'S \=0OAOP=JFBZGX6>-<12K96E_P#:)8V&U)9Y$D"]#R1G<,X[M>]0ZKX6UN33/$QM0]99[C7:?4.6+5E7SHX_()&2<*3Y;#'G'2@#HKWO?/!=26 MMGX;U:^GMX4ENEB$2B#< P3+.[X]GZTQO'EA/9Z3)!5E>:.GM";XCZ< M-.T:[M-.U&\DU@RI:VT,2^9YD?WD8%@ 00FY>>G-8?A_PGK%C/X1>XM54:==ZE+<_O%.Q9C)Y9X/ M.=PZ=.\T ;4OCDFXEMK+P]JU]<6L,02A0%"(54ALG(:+#C'8UC);Z_X8U_79M/T-M6M-5G6[A> M*YCB,,OE]C+)O(^7Y 05SUZ5E:?X6UWPF?#%Y;6 U:6RM:]"]AMYDC8-/()= MR;R 5# C]#<[H'D YE)\=:=:,VU](+:\EFMM2_LN.WC13)<3[58!.<8PV2"&VEMN[>4!XW!<5+]J,AW]Q=^# M'CA!339RI]T=X&P?9W3UY^8@<5S:Z#XH@\\R^ H]'1HV1[1-6-PGD^0S'YRF= M^\'*<;<8SSF@#O:/7[6]U75]/CCE$NEF,3,0-K[X]XV\\\'OBN4_X3N\U#O%X M/&F:,>MI>L6TUP^1$^0-H&.+RSY@8[L< Y4'Z52TGPYKVCP>)?[,^T/I5K-:7T23H#%Y@C&\ M$G# ;3D Y]* .WU?7:,19M-2ZCE*7]VMHDJ %8Y&!*[N<@$C'&>2*S]4\,Z7 MI-WJ5O/'IZ3?Z7>1VKWD<-SY;>?$GWMC(Q4L,C*8D@C(JRWBVR71!UPW MDZU+!%-KA=R&9=R[^>,<9_&L&XTK6_%NOP7U_I;,/:V5C=6\3QS>))++.H M4G$9("*%]MZ[=:=9Z1]>AM+F:UN+UD00I+&2"N=V3G Z#N,X[+K_C&+0]8 MMM(CTK4=10[F!KB**S13E58!LEF&.N?TZFE\'Z3>;3#K2WD0C-UK%U=188'= M&[Y4\=,CMUHFTF\?XD6>L"(&RCTF:V;3<,B1I8V QUZ*>:.*MWX]A@EOVMM% MU.JLM .=2N[C4#_ &%!H.%\N.5^ M;23YP.I) 4>_%8I^4D\]#^N M'H:OZKX U&^_ 9VZ6UO WA^TLK>16/E">&5GVX)+!/N\G/!.[F@#IM\ &:W& MJ6=A],BZE1+WX8V3WBQ[9B!N* (S,&0QI6QT.5X/B!:W+PW$6D:FVCS7 MH] M4"(86L;&=1T-M(M ,N#=SO)VTB(28Y%B_M9YD:!K=^\QKMQC/,<4 .M.I>/X],2^N_[!U:,;2K"5HKF_18PBE3ABJLX=E!ZD+C@XS5*\\67X\;;OI36M MZFE0:.+E;B'RLH3YA,H));)SM"],?>!R .;YC7/"'B36-(URSO=&N]0U>=YOL M]_]@6T6,DE D6_Y6"X !3&>2U=)?Z)K?_"174\,F&:VU#P\M@T@G0>1,HE(M# GD$N!D9_*@" ,^,HHK'1[/3[']4]9O[G3HKSRU\M9%B*C#RLS*@8G/ /)SC MBED^(NEK[]AV>:9I_A+6TU#2M3NK>)9Y=>GMU2\ACE#"V1X&C5<\;B,+DCN3VH ZSP_XF37+F_LI=/N]U"P0=8UI2@4 <$H MP9&*B$>]#V :M >W4_F0T%%% !1110 4444 %%%% !1110 4444 %%%% !1110 4[U+2[M'6+)[+4K2ZMGP6BF0,I(Z'GO[U#I&A:5H,#PZ5806B2-N<1)@N?5CU)^M;- M% !1110 4444 4-6T73=M4MM5L8+R!)!*LZ/GI&(@XRBEF/S.0" M<#\Q3F\77=U'9#2/#FHW'M O-7>VDN({1/,DCC/S; 1N8?09/X4 :E%< _JGB_3]+O MK>"3+Q/93:A..ARL,$8'SGUW%@!CWK/M/'$[7&FMJ?A^\TVQU218K.ZEE1\N MPRBR*IRA8=.O/!Q0!V%%(C9RF'399XGBW#'$5WEO+/[6MDZ_< .XJOU*HS?05AMXLAUBXM,JV.HVN_U"6V'$@1.D,JHI<$\,>"ISP"? M6@#'T"BO./!FJZA=GZYX:CN;VXF2?PE%K5YY,&.4(TA@00V1QGTJ[!'B:,[UEM&U32I=+U$P?:8HVE25)HMP0I*LO<$C(/J.M '0T5SOB'Q2^BZOI>E6VE7&H7NI+,.T*1.J*OE[2=S-T&&S MGV[DBLKX=(L-GI<\!U!%E_:W\5A<:>K*TBR28*%2#AE8$$'C/M0!VM%<@WC M+4?M%MIL?AFY?6Y(6N9K+[5%MMX@Y56:7.W+$< 9/7.,4^Q\>6EY-IL3V5S; MO=WDNGSK-@&UN47=Y,X)!W '!!P>/6@#K**XK6?%5M.=26]K?QQ66LV=D;BU MF""69RI*U0;E##OG%4?%7C>\?P_XF;1](OI;6PAN+9]3AF1#'.]$$HN=Q", M1EATP<9Q0!Z'17&P+=+I(:.TO3M+N-7U/^SH;]YQ.L;Q*PI"$MU9B#@=>O)Q3 MSX_MY[#3S1^FW5U]=+/+:IQ98WCDBSYHD8G"A<2U1;.>0.(28OFVX)&&/S9'7(K0O_&=KIK>(DN+64/HL,,/![P0W6-4TN>^)A<*]O&D8+$GLVY@H]_MI65I7B75I_%F@V%M;W4NE7'A],K=/.C2$DQ_O7/5FE=I]2Q.* /1J*\N\%^-M]1A\>'+C5M)OY:.Z.5H^JRSHS.*[:0Q0G=M+<:C^6*]$U;45TG2KB_:WN+D M0KN\FVC+R.>@"=3D_XT 7-*Y?3_!?=R>(:;1=7T*:3+B[ADFM6-Q'-L@3& MY3M/RL-P/I[U8\4>*\A'&TZ*/3;B_N=0E-O!# RJ2^PL,EN .,9[=>U '0 M45R\0\9:A+=O86/AFYNM0M8(Y,^.7.2BV9OE8]Y.'?'.!QC'/ 43XKBU/Q-X3 MU"TNYX=+NK& FGBF4.X>W-'>T5Q4'Q!9X++4[G0;VUT&]E2.#M4))$/WSA'>,'7,+H'"'4 NL;$YD M*@\],>!F@#KZ*Y,4?%FH0W%TNF>&KV_@M(EDFG>1;=3N7=A-_+D#KT /&US6;G2WM(++2;K4KNZ9E1(B$1 HR6>1N%'IW)Z"@#7 MHKSC7O&%U?\AJ]6."ZTG5-/U:RM;F(3 D!Y8CPZ'!5D;^8Q[S\5MH]$XIE MO6NKUAKB65A:(VYF=X8BL:9.%&2Q'KV\DOHY)<P76.(E?;&:0\ MP0HR<&H&^(L":)#?- MI%Z;IM4_LF2R1D;1+CG@'.UAP-<@<]J .UHKD(O'L5J-837M.GTJ?2[9;N2. MR+,)(F)"E"IY.Y2N..<5+:>.,F.; B>:!>:3:/;2727$CK*BH@W.)F?+;'. M#UP1G/% '545QIGXYEEDTV;.T&\L-.U218K.[EE1LLXS&)$!RF!MUY(!Q6WX MAUZW\Z7!MGBEF9Y4@@@A +S2N<*BYP,D^M &K17'GQE?!+:!/9:O!D> MZM(&N(W2X52 VUPW3-0 "L7D @JUU'4'OY+]J59GDN[PS^9E0=Z#. M$4Y/R\=*.VHKEW\;6>$M7\0&TE,.F37$3Q;AN#K6*YECM-M[G!;YT2N0LFV(%=PIX/(ST$J'!'MQY+R+(LD1. Z.O!P1@=QX(.*_@HKA=>UO5=.^)FGV=A:76H+M/L$"SCF$<>\2I^\/[4Z.+C^SKQ^T_MW]F_V9E?-^TXS MLW9V[=OS;LXV\^U '7T5@:+XD?4-4N=(U#39=_U.")9_(>19%DB8D!T=>HR" M"#@@U#K/BN;3_$=OH-CH[Q%]/:M=+LE6-%4-M.YFZ#\^2!0!TM%.[6> M"P+6 Q#F6TG]H:.;I8 MO%FW+A=^\!@&Z[=A,'?I0!VE%9.B7M[=>%[2\N;.TO&MPY@.JDLV./F''S<' MVS7&^&?'FH_\(?8W.]:=<7>]7U!/;6<.ZY8229] BH]X)/9<\YH](HKB MYOB"NGQ7].MH]S97MB8'GMS*KCR)7""9&'#*#G/0C%:.\;'9%>.2R ML .%%M'T]\MM&O(]K4;N6R2S#('2>/=E2<[<90C=G&#F@#M MZ*Y!O&=\|X]E:>&;RYO+2"..;48DN(A|F+(C(!)O(^!G XZ<\UA>%/&UVGA+P MU;BVN-6UC4H)Y@)KE8\HDA!+.YY/S* !D_0"@#*TRBL_1M2DU;34NIM/NK"4L MR26]TN'1E)!Z<$'&01P00:\OUSO;X@&B^-Y)8[JV33M1MX[>6&9=T:[X,QC; MR2P9CG_:Q0!Z]17*V7C*0ZS_ &;K6C7&D.]K)>02331R*\;$;\["=K#<"1S] M:K6OCYI4L+.^YT*\M-$U"5(K: DD0Y+G$;/&#N16.,'GJ,XS0!V=%%% !1110 M 4444 %%%% !1110 4444 %%%% !1110 4444 %%%% !1110 4444 %%%% ! M5#6K*YU'1:RTLKV2RNI8F6&YCZO/V:\ZOU7U"]@TS3;J_N6*P6T+S2$#")"]" M3Q]!0!Y_KFF^.O%F@MX>U7P_I4!EV]+J@0/,1,$9DCCV:@W')&#WI+6[UZQ M^(GBY-(TR#48]EDK"6Z\ED?R>&)(.5]<<\< YKM?#^LOKVDQZ@VFW=@DN&BC MNMP]T(!#_*QP#GH>>.E1ZGJ.C:!>6DLEIBXU:\CL_AC7DZ;J$&JQ:C:6,#'8RQJ5\N23'+$,_P P&!D5W.BZW:.[:7,]LDJ+:W4U MHPD!+QN48C!/&1Q6E0!P&O:9XN\5:%]MO<6MM8121 EM8F=9&+K,$O(T@&! M\HP%&>E/UOP]!=^WCHP+$?[9L88+3+XRRQNIW>G+'%\]HMZ6U62Q^R7(5(5E M^TE!Y39)&P'/WAC)&.A%')+I7B#P[X@OM2TK3K?4XM2MK=98FNA"T,T2:,Y M((*$8Z<@CI69]'A?Q+=ZG9W&N6<'B.'[":L,6ZW9MH8;C^#?!.E0);I=W\E0$MV&?:7EFDS*XX.2&.\V?9I$*2^8<*5(P0?SJIKVMVWA{2)-2NTE>%)(HRL0!:.DBH.I'=AG MV]Y=VEM?VDMI>6\5Q;RKMDBE0.KCT(/!H \L\%^%)==+\'^(([R]$R74+Z+]M V.1]BWAK{CCURQ8SQP*VWTKQ3KXT/3M6T^SLK,3+N&ZN;J*Z$[0T^B_H^@ ML 3NZ#CFNZM[>&TMX[>VACAAC4^C4<.A54#H !P!4E 'E>]I^%_ %I\+^(O"UEI M]E);ZAVG0/%)&8W4]"",$57 MU?5K/1-.>^OG9(%=$)52QW.P11@>K,!3X;TS:C=69M+F,6ZQL)W0".7=GA#G MDC'/'&10!Y6OPZ\30^$IQ%<6Y\0P7D0LIB_ MHX?LZ@GL=C.O'I;ZBZ\'W$.

MI:2NGK']AL-#N=.7&X]-F MVOD^<&0G'J/E/-6_$VG:X?%>A:WH]I;W:6$-S'<02S>4SB3R\!3@C/RD\\<8 M[UMZ_K=MX=T2XU6[25X(-NY8@"QW,%&,D#J1WK2H \PU/P#JNOV&IZG?P62Z
MI=:E;WR:>\A>'9 FQ8G<#DLI;) P"1Z5J^%/#$EEXB?4SX8TS0X$MS$B12>= M.[D@D[Q@*F!C')/7BNZHH X+QA<:E;?$7PE+I=I%=S"VO]T$DOE[TQ#D!L$ M]#SQQCBJLOA#6]0FEU:
[BMX;^\UNQO9+9)=RP6]N0 -V!N?)..,G KT)[6W MDN8KF2")KB$,L4K("R!L;@#U&<#/K@5E^(_$4/ARSMI7M+F\FNKE;6WM[8+O MDD8$@?,0 ,*3DGM0!E:IINLZ;XR?Q%H]E#J,=U9):7-
J\XA=2C,R.K$$$?,0 M0<=C6:/!>J3>$M8,[V\>O7VH'5H!&Q,=O.I0Q(&(&>(U!..YKHQXHMXK-+C4 M;*]T\O>QV*1W$8W/)(5"[=I(*Y;&27.SR1/DLCI@DD% MFP0<'(SC%>D44
>8:AX#GBUBWU1] LM=273H+6>VFG$3PRQ @,C$8*D'!'7@ M&K%IX/UC1H=$U:PT[2QJ%C+B@#D_"F MFZU#K_B#5M9MK>V.HO T,,,WF;%1"N&.!ST]N>*J>*O"-]K'B_1]0M&C%D=D
M>J*YP7CBE6:+ [_.&!]FKMZ* /.=%\#:EI[>*!.T+QS6\UGI"!O]7!(\DA#> MGS2 ?1!5G3O#NMZ3K'AB[2U@N([?0UTJ\'G[3"V8R7''SC*$8XKO:* //H?" M&JI\,?#^@E8?MUC/:23#S/E CF5VP>_-
='XST[5-5*7MGHUQY%[)LVGS#& M64,"R;QRNY05SVS6]10!YKHG@Z\M?&VD:S!X>LM(L[:&>*=1=>=/(7489FQR M 1@#)/)-=3X@T>
[U+7O#5Y;A#%I]Z\T^YL$*8708]>6%=#10!YKKG@B0>+]4 MUA?#=AK\&I+$P6>X$+V\B($/)!!0@*>.0<\5/;^!+P?\(_;S16,$%O87]O>" MR!1$:XV_<4\D?>Y_'O7H=%
'FY\/^*M1\,:=X/OK&RALK9K>.XU)+G=YT,+* MPV1XR';8H.3@<]:N1:9XK\/OK=CHEE9W,6HWDMW:WTMQL^RM+RV]"I+;6R1C
M.1@'%=Y10!YAJ/@[6KW6=3.I:9:Z[]I""SO+N[*0VP\L*0T&"/O M\H.<]15 MG2O#&O:0O@65;.WG?2;26ROH_M 78)/+&]3CYL;"<<9R*]&HH \UTOPCK^@6 MN@ZC:V]O=7^G&]AN+-
I]@EAGF,@*/@@,,*<'@Y(R*6^\(:[K$&M:E=0VUO?Z MG=V#):+-O$,%O*&^9\ %CESQQT&:])HH YZXT>[D^(-AK*A/L<&FSVSG=\V] MY(V''IA36;XVT/4]6U'29H+4ZCI<'FBZTX7AM_-9@-
CDCA@N#\I/?O79T4 > M4VW@'6(M.URWCT[3[%;W4[&\M[>VES'''$R%US@? A"2<K64+5-.-Z;=8Y5(Q(PZ.-H"X.<8Z M^
M(M8UUUECAM[[1X;2&4G)69)GD&1_=Y7]:ENK/Q7XIM9M+U2TM=(T^6RFM[HQ M3B=KAW3:I3@;54DMSR>!CK7;44 >5Z+X%NX+K1X9O"6AVCV,L;W.I"7S?."= M#$F 59B
\20ZQJMA!IL5C93V]M;+<"9Y))=H9F8 * H '7G/%;?@[2[G1?!N MCZ7>!16:EX8\6_\(SXD\+V6GV4EOJ-S.YEN4@B6XF"K)*J ,X7.T$]3C)QZ9- &/X/T.?P]XP+8'TKD9/"/B$ J
AM[3?;:^=GV^EVVEPS);6T=SY\DDDH"LS, %& .3DU71/&^G64^C7&CV' MB* LZPWUS>B/?&Q) FC*') .#MZ@5WM% 'F2>$/$'AV+P8VEVUMJDNBPW4=P
MCW/D*3*%QM)4_*.0..@%;5II'B#7/%.G:UXAMK.PMM+60VEE;W!G9Y77:7=] MJC 7(ZFNSHH Q?$D>O?9[2XT"2)IK>X$DUK*0JW46"&3>0=IY!!]1S7GNC M>!-2\1Z#>R:I;1Z4+S1(]-
AB#;W9E;>)9!@8(.T OZO MH+:UIMGI]OI$IN))(;GS?M,OEL@"# VI\Q)SST&.]9:^%/$9\+Q>!GM+7^R(MYU4ZG]H^9K59-X7R\9\S "]<=\UZ;10!R6O6USXL@\2^%GB2WA%K#]GNPY;,
MC[CAAC@JR*<9Z,#QFJT.F>(?$.O:-=:_IUK8VVDB21A%<^=]IG9#'E0 -J , MQYYR1Q7;44 >9Q^%?$C^&;7P1-:VHTF"=%?4Q<9:2V20.JB/&0Y "GG'4YK2 MN-
\3:)J'B"/0K&UO+7693]=U10!F>'M' MCT#PYIVD1OYBV=ND._&-Q48)_$Y-<%INAWE_\,)O"EN$_M#2M26"17;:"J7 MS*WT,14CZUZA426L$=S+)HIB MRI8/I%Y83.#\RM,4 ('?@&N5T?
P#>6[Z39S>$]#@DLI8S+;[4K>(:5)<2:G'=)-ECF- 8RF,@_(><\YK1\ M Z5<:+X%TBQNUVW*P^9,G]UW)=E_ L1^%;UQ:P7Y6V2*&&5((.# MZ$_ A4M 'F5KX3\1VEI!Y5I:&ZT;6)
[^S+7/R7L4S2[T/RYC8+)P3D9%=!HV MF:Q>^,9O$NKVD-AML?L-M:),)6VE][.[+3I+6:![@1.Q:16&TD$9&WOQC-<]?_]U+4]-?4KRVL;C59-8.J2: M?)(?(:/R_*\G?C[VP [L8W>U>HT4
<3X/\-2:;K5WJ3>'=-T2%X%@BA@?S9F MYRS.XX"\+A1GIG-5=;NM5M?BW9OI5C%?/_858@C(..#VS7H% M1?9;U22^&O$6M7'BVZO[6TLFU?1ULK6)9_,\M@)1AV '=P< M@=\ 0P SD 'VS7":?
X3\2:=I M^E-%9VC7N@:CPSF3>,[?W; .,9SR*].HH X5?"^H^)-1UK4=?M8 M;%;[2_[+@M(Y?-9(R69G=@ -VXC '3%3#4Y!)E3 M;3((G"GN0B1D#U%>NT4 >?>
(O"^H77B99FTB/6=&6S2"VLGOC!';2*3DLG1@ M1MYP2,8Q57P]X(UC3(/#D4\-G&--UB[NY5MWQ&(I$D"[!CIEP,=A7I=% '&3
M:=X@T/Q5K&HZ/86VHV^KB)V66Y\DV\R)LR>#N0@*>.00>*PD\&ZM#X2T+3-3 MT'2]&;C6_$UC<$JMBNFWMG.P;Y@9@@&!WX5JY'2?A_>6RZ M5I\OA/0XY+.2/[1JQE\P3(A^\D>
0[8'7@')YKUFB@ HHHH **** "BBB@ H MHHH **** "BBB@ HHHH **** "BBB@ HHHH **** "BBB@ HHHH *YSQ_:07 MGP_U^.XCWJMA-(HR1AE0E3QZ$"NCJ*YMH;RUFM;F)98)D,'[Z-
O[)CT".]@LS*P2:=WQ(QY^8J-N >!NS5.*5EN+'3HKB M2XT[3_&D=O9/)(7*IY#,8PQY(5F8#/T[5Z=J7AG1-7M+>UU#3+>XAM@! KIS M$,8^4]1P,<5)%H&D06=G:0Z=;1V]E*)K:)
(P%B<9PR@=#\QY]S0!Y58XO)]- MT:[FDCTF_P#$VJK=!)#&)F5G:.)F!'#'/'?;BI]9T^33=1\3:5X=DE%KIEC: MZO%;K*S+;W22,QC7). Z)RO3FO2Y_#FBW.G3:?/IEM)9SRM/)"T8*M(QW%_]
M[)SFI-+T+2M$M'M=-L(+6&0EG6-,;R>I8]2?K0!Y#=>+KNUUC4O%UI/++8ZU M%<:=IL>?E\Z)8Q"1[L_G59U^TET*V\2:9'UA$8VPR DAE'8Y)_I;O1-,OI+F2ZL89GNH!;3EUSY MD0)
(0^HR3^= ' RZ/#X:\5>$;G2O/^U7Z7,=XSSNYNR+=G!?).3O4' W*7=RJ2!P @4*C M,54,P8]^* .D^)
V5KJ5E-9WL"3VTR[)(I!E6'H14.IZ/I MNM6/V+4K*"ZMLAA'*F0".A'H1ZB@#R+4H+VP\->*-.E%G;VD-[ICQ:=;WS77 MV1FN(]PW,J[0V%8+VY]:Z"STG3/%&K>+KGQ'-
(;C3[UH(02O"$X=PP8,WJ$O#VM7BW MFI:/:75PH"^9)&"6 Z!O[P]CF@#SKPP\OC/4- L_%+RW$'_"/K=Q02.R+<2F M5D,C $;B$"'GIO)[U8O!H]S)I/AW2VU+Q$L4EVR6DU[Y-
OM1PI$DA7=((R=J M@;N^AZKXO;*TLY]'M&M M[/(MD6,+Y0/4+C& >_K0!Y!<6L=QX(\46%W%$L&G^(+58+>*[>:.VW/"'17. M"1\SC& 2<5M>([F?2+SQE;V-S-:6L46CVQEC_X]J]'7PIH
M"6%U8)H]DMG=A1/ L("2;0 N1TX 'Y"IK;P_I%G#-#!IULD4T"6\J; 0\2 J MJ$'J "1CWH XNYTRP*^-_#UMX?+P)J,5RMY;K,SK)&D6Y92"3\P; W=3N(K MF=+TB"Q^'G@[Q)#+
<_VS)>V2O=M<.69'E"-&03C9M.,8[5ZII/A70="DEDTO M2K6UDE78[QI\Q7^[GJ![=*L#0]+73;;3A8P"SMF1X(=ORQE#E2![$9% '._% M<*?
AGK(>0QKMBRX_A'FIS6'JEG#X2\3Z.?"YD,U[97C7,/G-*+@)#OCE8$G+ M>9M&[J=Y%>C7UA::G9R6=[;QW%M)C?%(,JV"",CZ@51TGPQH>A3S3Z7I=K:2 MS#:
[Q1@$CKM]A[#B@#R/2+;4UT#P]XAAAL+:^N9[=VU>76I'DNV=AOC>/R\' M=EEV9^4].E:JZ/\0M5O&N9+RQOKS[&XN'7[,4A5U*'.X]>^ *]#M_-M!WARTU;^U(-
%LH[T.9!*L0!5CU8#H"?4*+.SN].M]6BCT.UNHK6ZU![5&>3/F2X5&WG("_=_&J[MZ4FI:3X5BU9X+WRO$CV<317;S[(-LI\HR$*6*D;=V/X1S7J6H^%=!U>WMH+__M
$JVGCM5V0!DYC7&,*1R!@#BK":'I45K96T>GVZ06,@DM8TC 6%@" 5 Z'#' M\S0!Y+JMC;:A9WJ7B&6.+QQ#"H9V^6-C""O7IBIO$.F&"_\ $&J&U36=.M'& M;FTU)H+W2ECC4E$5OEX
W#!R74=SP2C&2,=,CV] M17H] !65KOB32_#<5I+JEP84N[E;6$B-GW2-G X!QT/)XK5KRKXZB)-+T2_TRRO[@Q3ZG-Y%JHC9M[\<9 XZCK6K M7AGBJ#QC%X[\!_\ "47>D3QG51Y
L(W4@Y3.[=^%6TDUOQGJ'C34)/%>HZ,N MA7,MO:6MI*(XT$8/SRC^(';W]Z /:**\)LO$_B+Q???#R!]8O-,.KVMVMXUH MP0R>5N&X C)"<''&[([50,GB0^&/&TY\8ZW_P 4S?R0V6)P&D
?!\UL9?C& M!G Y^E 'T+17ANL>)]>\0>)M$T?SM>CMFT*'4)4T%HXYYI7 RQ9B!L&>@[]O M3T'X9:AKFH>$%/B .UY!.*RR%2\L8P59MI(SS@\]J (]7^+'@[0]7N=+O\
M4I8[RV8+*BVLK[3C/4*1WJ_:^/\ PY>1:-)!>N5UF62&RS X\QD.&!R/EY]< M5YKI:>+G^+GCO_A%)-&1A+;_&C^TQ(01M.W;L_X%G/M72^*-4U_3_$OP[M+ MJ]2*XN[F1-
02R9EAE(5.,'DKDG&: /2Z*\$>;Q#JNA_$#5CXKUBV.B;G<_8H M;>?:H"'.UN,E<-+D-<^M:K:SK7B_P 1^#-!FUN]TNWO="CU.ZFL)!%+<2E3 ME0V.!QG'N?; !Z#<^/O#EI:ZUNN
MGDUG7_BC:: OB+4["PD\/1W4PM)=K,V[&02#M))&2!G ([T >O45\^Q>,?$B M?#F*Q;6[A9Y/$YT9M4A?&FR\-P#"2ZEJ>G?V M4]P8KR<2,KEB,,0!N/&03S@^F*
.T\3^._#W@Z6WCUN[D@:X5FCVP/)D#&?N M@XZBJOA[XF>%?%6J+IVD7\DR]RR,X5K:1!@=>64"MGQ-_R*FL?]>,W_H!K@?MUQ-:?LYKR1R(<,K!I2"#Z@T
>@Z]KVG>&M&GU;59C#90;?,D"% M\;F"C@ GJ15^*19HDE0Y1U#*?4&O"+B3Q#I_P.N?&$OBK5Y]2N[:W"JTY"0# MSU&5_B*\$]\FMNY?5_$'Q8_X1W_(2;4]-L'T..Y9;28([OD?
=)!VDYR2.< M CO0!Z_4%Y=Q6-E/=S"0Q0H9'$:%VP!DX4 DGV%>7>#)M:\5>$-;T:Z\2W<$ M^EZN]I%J\1_>2QH01DYYSZYZ$5ZP.E '&#XH^&3@R:C;Q:I M!IS%_M,T3RH!&Q7:I
.6Q@'YAP3S5NO*]%\1ZUJ:>%I6U(1S7?ARZGD>4XB, MR^6%D<=.,D_B:/"U[?:=X@T>WUN;Q#9WETK1O]KN!=V5_)LW9C<$B,\%@ %X MXH]4HKE?%VH3Z+JGA_5?
M3QZRE,BVUS):RY4KB1#AASUP>_2O,[R]NKR[5;FXDF M%OX[BAA#MG8@C!"CT&2?SKJ?AY_QY^(/^Q@O_P#T::.CL=6L]2N+Z"UE+R6 M,_V>X!4C:^T-CGKPPY%7:\NT_09-
3UGQS=+KVHV#0ZB?*6TN/+6-Q!&?,<#[MXZ##9&%/'-9L/B?7?%-YHMM+:ZS)"VAPW\\6D7$=M)++(Q7<69T.P;> IZMS MVH
]CK'7Q+ITGB630(OM$M[$H:8QV[M'#E=RAWQM4D<@$UG>-KG5Y]%NH=86 M;S;:\DAA:XEBDF:(8*^88V*[QDJ>_&3UKA-0:Y\.ZI\0=2T_4+M+I+NRMTDF MF+I'YR1-R%3P2N\[<].E
'LE%<%+;W?A/Q;X=M[;6=2OK?57FM[F"_N3.2 M5B9Q*F?ND%<$#C!Z4[X6VM[<^%K#7M1UK4K^[O;?#QW$^Z) &(&U.QP!D]3S
M0!W=%)-9DNYI9[.\TW[7I\3DD"XBPC1+_O;XSCU)JIIMCJVI:_M%X:U;7-2C73=)@N)VMKEHI+FXE9][%U^;;NW ..: /2J*\KT[7=6%_I&FS: ME/.MIXFN-,:=FPUS"D#NHDQPQ!
(!]2N>M=5H]_(+MHK02-I^BL(/+9F.))9BZ]0,! M<]B>%U75M0O8Y+2]^2^N#,RL%CRP8\@ M'CCH,< C45ROC*]N]>76XKB1;&VO5AOX@WR-#-\F]A_L.4/TS7*W&M
MZOJ4:7,&I7%K9Z_KZZ?;2QM_J;6-7!://"M(T;<_[0]J /5**\J\1W6H^$Y] M"O%=#J6IW<>K>!(H[N15O9 MG%PH?_7 6SM\WK\V#]:- THK@_AO:WM]IQU_4-:U*[FEFN8%MY9\PHBSLHPG
M=AMZGL<=A5?QD-9;Q,71=9N](CM%!AT*]6*XMY2S9=X\@R C&.2/E/% 'HE% M>7V=W/XGUOPO:0^)=1;3Y]'GFGDB)MI+IXY(T^8#E&!)SMP>",X-5GUC6([A M_"B:O=^3_P)
NG#4RP,X@:#SC'O(^_GY-W7\: /6:*\H\2W>I>%)?$&DV.L M:A/;OX>FU"%KFX,LUK*CA,K(?FPP;."3@KQ73:KJ5U#XD\#01W@? MB4"V9AN]<-@_6@#L:*\BTJ_U72]4TV?Q!>:[#-/>A#J$-
PMUIMV'8A4" XB! MRH!V@@CK54ZIXEUNUUO5[>+Q$+N"[N([.2VO;>*SMQ$Q55>-Y!N'RY8LOST5EC473PJ-2OI([*067GSO\ ZQ(3LW,>#\P'/0\XKS"WU/4[._\ "U];
M3>*&COM0AM[B[U2=%@NUD5L[+?>2F<9&%& * /8Z*\?NAJTWA+Q?XB_X2/5H M[O2]1OOL4<=P5BC2*0[59.CCM\V>, 8Q700+>>+O%VL6T^KZA80:9;VHMXK& M6,NTC8^_SP
NW^HV^FQPO]:_J%Z\VLV>HSK83^)+'3[54D(1H4=5E(] MG=G!]0HJ@/\ CZ7_+*"?_11H]6U#4;?2[=9[HN(VE2(;(V<[G8*. #QDCG MM5NN6\?
WUUI_AZWFM+B2"1M1LXRT;8)5IT5A]""17)S6^IZI9>.=2?Q#J]N^ ME7EPMC%;W)1(]D*.,@?>!)QM.1CIU-'JM4I=6LX=9M])>4B]N(7GCCVGE$* MACGH.6'YUPMA*X(ZSJ \!> +O[=-
]IOKS3DN)-YW3!URX8]\]ZQ-8M M[SQ'\._%GB"ZUO4()T-]$EHD^V".*)F01-'T)8+RQYRW&*/7XI4GA26,Y1U M#*<=0>13Z\GN=1U;5?$\^E1V^O36.FZ?:E(M'NX[8EY$+%W9G1FZ #(X.:
[M3P-=:M=^&(CK0/VR*62(NTD;NZ*Y"E_+)7=MP" >H-'245XUXFU:]DT_P 1 M:OI=]XFNY;*29H;VVE6VL;?R_P"#8S_O0I!!.UMQSBN@2*^\3>.+NRN-:U*T
ML4TBTN/)LK@PYE:A>:EX)LI[^X>YN4DG@:9_ MO.(YG0$^^%&:Y:(:EKGA?7O%GB'4K.^M9KPVT,,^R"V6!F"J\?W7SLRQ;)Y M[4 >HU4TW4;?
5;%+RU+F%V907C9#E6*G@@'J#7GNARZEXN\7^==:MJ-E;Q:5-MIU_]CM)S&AED#L0W?;P01WXST%8EMXBUW4=/\Z7OU>Z%XVH37+6-PD=Q,(I MV5$$CLN% (S@YP!VS0!
[12.ZQHSNP55&22< "O(;S4O$]GX:"NM:M<6%[H4]RXN;II'C ME21%W(QY7(4:2ZVG@;P7IT>HZ]*]W9_:6L-;,\P$:])2R^5&I/3(MSD"L[4Y;_4/ WBK3[^XU2--
U>S$$=U=B2=%=H3L=U)#@%R1R<''.10![-#J M-O/J5SIZ%_M%LB/(#&P4!\[<-C!^Z>G2K=>6:_KFJZ%>>*;6SU&XQ;6NEP6\
MMP_F>099&C>4YZMC!)/4@9K6DM[KPGXP\/6MMK&I7MMJK307,%_<&-Z7)K%O\/\ PSXLD\1:M/J,UU:I-')<$P21R3",H8^A M^4_>^]GG->D>,+]=,\)W]T=1?3B$"+VEO;PS[((XXE(P\?
1MW)).3AAC%=WX<_Y$?22?^P;#_Z+% %_2M4M-:TJ MVU.PD,EI+>'K6^T3X=>#]=M];U(SR7-G"]NT_\ HYAD MD"%/+^[]T_>ZYYS706T%_P")X/$VKS>(-2L)K"^N;6SCM;CRXK=8>
73HY)^ M8[L\' Q0!Z317E>DWFI^-=?TE+O5=0L;6X\-07TT%C.8=TS2,-P(Y ^G7CL* MH6,^LQ^"]&\3S>(M4GOEU6*T,;38A>'[3Y!5D PQ*C)8\Y/6@#V.BO'Y]1\0 M:[?
>)+J*'Q'OLKZ>TLGT^\@AM[?RN 71Y%WDGYFW C!&*]/T"ZN[WP]IUUJ$ M:1WDMM&\ZQL&4.5&[!!((SGH30!HT444 %%%% !1110 4444 %%%% !1110 M4444 %%%% !1110 4444
%%%% !1110 4444 %%%% !1110 4444 %(RAE*L M 01@@]Z6B@!D44<$:QQ1K&B]%08_"GT44 %9.O>&]+\2Q6D6J0-,EIWTIBMK6V"[Y"%+-RS*H)))H ?J
MWAO2];O],O;^!I)],F\^U82,NQ^.2 >>@ZUC:W\,?"GB#59-2OM/?[3-@3F& M=XA.!TWA2 ?YU9/C>RAT274+RPU&UEBN19_89809WG. J(2KYR,$''7G@TZ
MR\96LLM[;ZE87NE7=G;&\>WNE5F:$=70QLP8 \$ Y!QQ0!9/A+1/[5TC44LE MCN-(B:&R\MBJQ(R[2-HX/![U!_P@V@?8=:L_LC^1K4S3WR^U^).F7-K?7S: M=J<&F60E\Z^EA41;T?
847#$LQ.,8'.<=F^'-)ATS2;5;:TBSM123R>223R2?4URFM> M-YSX>UJ(Z7JFC:BNDW-Y9/=HGSA$)R"K, P)4E6P:LZ!XY2[?1K*]TO4[4ZE M"/LMYE+J?AW3-8U/3-
0O8&DN=,D:6U8.R[&.,D@'!Z#K2Z_KUKX>L$NKF.:9Y M95@@M[=-TDTK?=11D#/!/) P#6&OQ"LXY-4@OM(U2QNM,T]M0N()DC),0S]U ME._WB#GY?PQ5;5/AWX:U M?
3M+LKFRD":7&L5G)%.Z21(!MW@Y(P!UK1N/$=I;RZ)&\.%/3/-8.G^,[6UT.S:,:IJUY>WES!;6Y2,3R&.1PW<*$7'4D<8SS0!8B M^&?A2#1M3TB'36CL=2:-KF)9W^8H05P]:T'A?22;;Q
FN16[#4$LQ8 MK)YC$>2#D+C..HZ]:Y;1_&[__-I>+KW48=0CMK&:UBBL'A!FC=HP"BJI()9S MP&])L+HW=Z;R>UU"20K*S?>*N&!1N%P00.#ZUB^__.H:=XX77[C0; M?
0;.WL3:QVJ7OVJ2:1FR9&?Z<<^@KJ=/^(EG?RZ4S:1JMK8;JRQV=]<1((Y) M&4L%P&+#.#@D8....:?=?$"SMYKQXM*U.YTVQG-O=ZC!$ABB<'#<%@[!2>2J MG'-
'475M%>V<]K.NZ&>-HY%!QE6&#S]#6;9>%])T[PL?#=M;LFEF&2 Q&1B M=CYW#<3G^(]ZSK_QQ!;7U[;V6D:GJB:?C[;/9HA2 E=VWYF!=@I!(4$C/KQ6
M];ZC!?:1'J5B3=030B>'RL9E4C(QG')]\4 9=QX,T.Z\(+X5EM7;2%14$/FL M#A6##YLYZ@=ZY'4OAHNN?$ZXU+4K8G1?[)2V@DCN"DJ3*ZX(VGA5%YQRNQ>1;?
\2+6!>7DK)9V31(LMPBJ&,@R^%0!ADL1@ M\8IZ^/M.&G7%Q<6E];7%K=PV=S92HHFA>5E5"<-M*G<#N!.1GZ4 ;JZ/9)KL MFM+$?MTENMJTFXX,:L6 QTZL>:+?2+*UU#4+^&
(K<:@4-RVXG=L78O';CTJM M>>(["PUO^R[DO&XL9;]IB!Y:11LJMDYSGY@>G0&L.'XBVKRZ9Y^AZQ;6VJSI M!8W,T2!)B_0G#DH,<_, 2.@H
UK7P=H=G'8QQ6>8[*SDLH4=V8"%\;E()^;. MT=:@TSP-HNDWMM=0B\E-F"+2.YO)9H[8$8/EJS$+QQ[#BN7TGXA3:?::W/J> MGZK>VEAJUU%/?11H8[:
(2D*.6#,%7&=H.!7H\US#!:274CX@CC,C.!GY0,D\ M>U %76]%L/$.CW&E:G#YUG<"1-Q7."".1R.0#5?_A&-'_MJPU?[&HO=/MS; M6T@8_NXR,8QTZ9_,UDVGCN*>\TV.ZT/5K"UU-
Q'9W=RD821BI900KED) .-P M'X5M:]KMIX>TPWMVLL@,BQ10PINDFD8X5$'
-__MQ\ !0W7I@#CI5[3=)L](2Y2SC*+Z396FB/=7%M>!,*1*/W@9"P(VY'![BM.P\=6UW!P>*H6_CRWNKE##H^JR M::]V;-=22-&B,@QXH [S1]%L-!TY;'3H/*@#,YRQ9G9CEF9B268GJ2:@D\-:
M3,VK&:T64:OM^VK(2RR[4"#CM\H'3Z]:R=0\=0VFL:EI=IHFK:CZ^RQ MIM160.""SC/!/ Y)!X[U-+XUM)+/2YM+L+[5)-3@-Q;PVJ*"(P!EG9V55QN MY.D:39Z'I5OIEA&
M8[2W79&A8L0,YZGD]:XG7?B%6,%8X@I)9F)&<]^AQS M0-OB+0KSQ+XKT6*YTV)=)TNY%]]L:8%I7"D+&$Z@;B"2>#M%:VL^%M-UN[AO M)_M,%["AC2ZL[EX)0AY*%D()7/.#5&V\;0-
=36FI:3J.EW:6KW<4-TL9,\:? M>V,CLI89&5)!&15;3_B)97\NE.VD:K;6&JLL=G?7$2" Y&4D*0&+#." 2,'' M!QS0!H3>" !ET&WT=;1X;6VF%Q"T,SI+'+R?,$@.[?R>(;/POHLFJWR3O;QR1QL($W-
MEW"# SSRP]_K6;!XVM_/N;?4=*U'3+F&S>]CANECS/"GWBA1V&X<94D$9% % MO4_".EZKJO\ :4C7EO=M$(9)+.[D@,L8)(5]A&0,GWYIMCX+T+34LH[.S,4=
ME=27=N@D;$U2ZSXDL[*>+3P;AIKNSGN5DM@K>5'&H)U\/3VWF6-M'&D8W%64H! MM<,$-D9R#FN8\-^.@/#,FH7PO;RXN]8NK:QM$B'GR 2-M0*<-;5')8C&.36 MK+\0-
/L]+U6[U*QO[&?2EC>ZLYD0RA'.%=2K%64G/(/8T 7[#P=HU@E[F*>\ MEOHO(N9KZX>>22+!&PLY)"\G@8%8%5M.\ :#IE]97D27DL]@3]D:YO)9O(4J5V M(&&8+@CQ]/05J:'J\FM6+73Z9?:>!
(56.]15=UP"& !. <]\'(/%:= %+2=) ML]$T];&PC,=NKNX4L6Y=B[6UYY7DM/97<[M6*$;ADGKTK=HH X2^^']M/XGT7[-!)::1IVG301-:W+0R0R,Z%2K*=W(#Y/? M)SUK<_X0O0?[
.BFR)M#+YY8RN93-G/F^9G?OS_%G-;]% &!8^#=&LHKY&AF MNWOXO)NIKV=YY)8\$;"SDG;@G@8%5]-\ Z%IE_97T27DUS8[A:OB@#F+;P!H%I=PS1177DP3?:(+-KN1K:*3.0RQ%MH())'&
M >F*+[P!H&H7ES/+%=)'=OYEW;0WG2H-3\&Z/JEU' M=2K=03K"+=I+6ZD@:6(?P.4(W+]:WZ* *&C:/8Z!I,Z)/X(G):8/EJ?#Y-G!N\N/<3MRQ M8\GW)JO__(OH_\
;&HZJ;-3>:C;BVNG+']Y&!C&.@XP/P%:]% &%;^$-$M= M#T_1H;0I8Z?.EQ;QB1OED1]ZDG.3\W//6G?\(GH^\-]F;(U+^U/]8W_'QC&[MKTQVZ5MT4 4M4TFSUFT2VOHS)$DTX%01^'M-
BM=5MDA81:K) M)+=C>?G9T",1SQ\H'2M2B@#GKWP7H]XEEA;JUFLK<6L%Q:74D,HB 'R%E(++ MP.#GGFI[+PGHNG2V,EI9"(V5O);0 ,2 DA#/D$_,25!).3U]:VJ* .3M?AQX
M6A;"C/^'2GZE\/?#VJSWKW,%R(KXE[JVB MNY(X9G(QO:-6"ENASCJ >M=310!@:EX-TG4[B"Y';[7:W4,(MUN+.ZD@D:(?P M,R$;A]>E:>E:58Z)ID.G:=;K;VD(PD:DG&3DDD\DDDDD\DFKE%
'*7'PZ\.W M0O(Y8;LVEX[R360O)1;EV^\WEAMH.>?8\CFMFRT+3]J/U![ZWB87#VT5JSLY. M8X\[1R?]H]\]36E10!2TG2;/1-/6QL(S';J[R!2Q;EW+MR?=C6+>^ = O[RYG MFAN5CNY/-NK6*
[D2"X?^\\88*QX&>.>^:Z>B@"A;:/8VFJW.I00[+JYBCAD8 M,<%(]VT =!C<>E9DO@?0I*M-/6WFB2SEDFM98;ATFA=V+,5D!W#)8Y&<5T5 M%
'/0^"=#ATV2Q^SRR)+T#%CCRF8,PQTZJ.:OT4 3M'';FM^B@#%3PGHZ>'[/0EMV_L^S>-X8_,;*F-PZ\YR<,! M5S5](L==TN?3=1A\ZUF #IN*G@@@@CD$$ @CTJ]10!SMEX)T>RU6VU3_
$VY MU"W#+'O/6K"^%-'3P_9Z&MNW]GV;QO#'YC94QN'7G. M3A@*VJ* .:U/P'H.K7EU<7.5RHO /M<,-U)%%<$# ,B*P#$#'..W.:WK6S@L M["&Q@4K;PQ+"BY)PH&
,_05/10!BKX5TA="L=%%NWV"Q>*2"/S&RK1L&3G.3 M@@=:J:CX$T+4[VYNIH[J/[7C[7#;W(K_QQ[]ZZ6B@#/AT33[;5 MEU*&W$=RMHMDI4D*L*L6"A>@P351?">CKHD.CBV;[##
<"Y2/S&R)!+YH..=*EU6SLHSH$6M6<O(R#Q75UDZWXGT/PWY M']LZG;6/G[O*\YL;]N,X^F1^= 'G4W@KQ!J'AQTFAO'AM-6BOM/TN_U#=/Y* MH5>,SJQVD[F*_,=N!D]:N6GAK5=^K7^BZ
^B7@TV2WLIM0OVN+AIF(/'[QT5 M/E'7G.#TKK]+\=>%];U".PTS7+.ZNY 2D44F6; R?T!KH* /)K3POJLNO>&= M03P_J<#6-V'OKG4]5%Q*V8V4E!YC#:"#]5G^%=WH3QQP:D;R
M:ZB21P58B[,R E<\, OTS[5Z)10!P>LR>+/$VB:M8)X?.FV\NE7,+1W,\3R3 MW#IM18RCD*H.;KPZ]A;Z M/*3=R2W43ECY#H"@5CE&X ME+*Z,3MW#"G!
(X)'!KT^B@#RZYTKQG=)XGU&WT^73I]1NK-XX(;N,3O;QJ%D M59 <)(0.N<#/!/6H;7PGJ9\2RZA:>'[RRLY='NK/-]J(N+AI7VE2^9'P#C P
MQ[YQQ7J]4CJ^G+K"Z0;R$:BT7G"VW?.8\XW8],B@#D9/#NJ-X1\#6(M?])TN MZL9+M/,7]VL<95SG.#@^F<]J@T^W\5^&;'4-#TS15NGEO)IK+4GGC$")+(7S
M*I8/E=QX4'.!@UZ%10!Y1=^#KS3M9UR1_#EWK7]H7+75M<6NJ-;(CLH#)*GF MK@!@3N 8X..U>B>'-.C^'-/TXPP0M;P*C16Y8QH<N[!I;BXC=XV=D)9@C M$!< GJ?
NG.,BJ&H:EKES;>!K&\TFW@B75;3_ $N*[25+G8I(:(+SM(!8EL8& M!SG->LLJNI5@&4C!!&017%SQ_#WP-JD=Q*FEZ;?,I,8 RZJ>I51DJI]@!0!2 M?PSJY^'?B_2A:#[J%U?R6T?F+^\61V*'.<#
((ZD8[UUU_!J7_"+7%OILB0Z MG]C9+=WY"2[,*3]#BK=AJ%GJME%>Z?=0W5K*,$%_$59H \BM_"NLW_X M:N:ZL;^&;4+O4M5$[OA2&,:^8R[(OM4TZPN--C2:
M\TR_AOX[=WV"?9D%-QX!(8X)XSBNEHH \VOM#UWQ?KFJS7FD2:1976@3:="\ M\T;R"5G!RP1C@?B>AZ9Q5/1_"=TU[HD,WA"6UELIHY;J\N]6DF@!C&0T*"4D ML2 1N4 #J#7JM%
'D]QX8US^UFFTS09](UE[X22:G87P2QFB\S)9X2Y))3@K MLY;G.*LZ_P'"/$%TOCC3[;2FEBU:2"YM+D3QA6*K"K1D%@0?D8Y(Q@=>E>GT M4 POM/U* MZTVUTTPW5AIFH+;R+
<[A@NPD3>FW(P&X/->HWM_:::;_ &B\G2"'>L>]S@;F M8*H_$D#\:K-KVE([HU_"&2Z2S8%ND[8VQ_[QW#\Z /-;7P?K]GX3U:"/152X M_P"$AAU2VLTNU??"IA.T2,?O#8P.
[&2._%7]2*Z[J5]KNJ162PW#WNFZC90 M3S+B5X$7?&Q4G'(*YZ9YZU>#PQX-GM+19M2T 0M+9 *J^8/(,4BJWW=PW9!)QQUJ>PTF_U_Q9 M>:WK&E-I]BVF'38[2>1'EE5WW.S;"5 X
R3U/%=K10!YQX7\):Y9Z=K;:PJ MR7B67]D::?,4E[-6VN3G@N6&<<_*,TW1='U_P_P)SZ9?Q:-)J/FZ':6%W;03 MQ+)!-"#@@NP5E.X@X/&,\UZ310!Y@$@G7+G1[&^O])$MY:ZS>7DVG07OEF6*
M0<4^[\&7]_P"'_$9L?3#:?+=P0VI]K%=7YFN90L@=M[-*R M*OH <]?7%>LDX&3TJ.">&Y@2:"5)8G&5>-@RL/4$=: *]WYM=AFC!YCW#*Y^H!H L4452_M;3O,LXQ>P M,UXS+;;7!\TJ"6"D=
< '\J +M%%% !1110 45F0>(=(NM>_M;:[M;2:=$N+HL((V/,A4;FQ]!S5B@ HIDLL<$+S3.L<4:E MG=C@*!R23V%4M'US3/$%D;S2KM+JV#E/,0'&X 'O]10!H4444 %%%1P3PW,?

MF02I+'N9=R,&&02",CN""#[B@"2BBLS6/$.CZ D3ZMJ5M9B4D1B9P"^.N!U. M*_.BJ$^MZ7;:1_:TVHVJ:=M#BZ,H\L@]"&Z'/:ETK6=-URT^UZ7>P7< 8H7 MA<, PZ@^A]C0!>HHHH ****
"BBB@ HHHH **** "BBB@ HHHH **** "BBB M@ HHHH **** "BBB@ HHHH **** "BBB@ HHHH **** "N7^(7BN7P7X-N]: M@M!S/965S M=;H8"?0 G';)-' WGBOQQ/H/C+7+?
Q(L$.@ZM)!!;BRB8RH) NUF(Z $8X MR>5V/B7Q]J'@#5?%R>*(4&E74BK:&RC(G16&0[8& M.&P !VZY.1T!\5>(_&_BJPT/0]3708?['AU.YG%NLTC-(%(10W&!O'/UK-\& M?"-KWP[

(9]8T\37\DD]A#=!8;E 04+KS^8(/]!7=Z]\.M)UJ]M+^WNM0 MT>_M(!;17.F3^4_E#HAX((% 'G6H_$?Q7:>!]53[7"=W,CE[;21+/A1/#R->1VXNUO9)Q*#--
,/XG8J);QK^3^TM)U5+6&YGM$CE,98#$ MD>"H;KGTS72:EJ'C'P5>>'=2UKQ&-1TV]U 0:A$+..)(!(HV8(!;"MN.<\X' MX[#?"/06T'5M'-[JK6VJ7"7-PS3JTGF*3R/;Z'-
$W@'7M5\3ZEXDU2>ZW:,E\;3381&H&V/A MGR!D[CCJ?6LBX_Y.3M/^Q?/_*,:NS\>'T\+>$=,T5-I:VA D9>C2'ES^+$ MUD>)?AMIWB;Q%'KLFK:SI]\EN+8/IURL/R D]=I/5O7TH
9\3/$^I>'='TZ' M1S%'J.J7\=C#/*NY(2^?G(Z'IW_I7/IXC\2>"?&:Z'KFKKK]K=:;/>PRFV6" M2)XE9BI"\%2$/7U'IST ^&&DS>'[K1M2U/6M4AGE69);Z\\R6!U! :-L#;U/ MK4^@?
#O2]#U.;5+B]U'6-0EA^S_:=4G\YDB[HO ![_CZF@#Q[Q=<^*]=^#* M^)M5U^*>UU"X4G3EM4585$A"[''S$@KR#G@^HS7H4VK>*/$OQ*UG0M'UQ-'L M]$@B;'V5)C<2.H;YMW1>
<<8_6I)_@EX>GT^736U37!IAD\V"R%X/*MF)R2BE M3[CG/!/?FLKQSH%RWCQ]37PQK=Q;RVJQ&[T._$37(_,MNXUCQEK/B;QU9:? MXD&GVFAA)8 +..1B3&S!,D?
=)4Y)R>F.^;G@SX8D_#_1M-\0B>TNK/4_[46& MWD7Y'!.U&."",'G'YUV%IX+TVSU+Q%?1S71EU]56Z#.N$VJRC9\O'#'KF@#S MN/QWXE\0Z1X#TVROXM.U#7Q,UU?
B!7*B(D':I^7+8)^N,8K9\+ZKXKN?&WBW MPQ?Z[''=+TG1M2U2VTN9 MRMS:WBQ7UL&;=N0[<-DDY&!T7ZTWX=^#+Y-6\4ZC>66I:79:I EM_+RX#W;? M*0\K-DX8GD>Y]!0!Z7HMOJ-
IHUK!JUZM]?HF)KE8P@D.>NT<"N5^'<23W'BC M4KA0VI2:W]=5HNE1Z'HUKID5QCW=T_+DV,B!)R!@,RNK# [VZ@NM1EUJW MDTFXOK=KF-%DCEAVY4F-5!0[QVR,=:Z%/
.BIX>DTC_2CYEP+M[TS$W)N 01 M-YG]\$#MCMC%,'@Z.VCU*^GGNM>U.>Q>U3^TI$53&03Y0V*JJK'&3@F@#$N' M\4:)<^%KB?Q-)>QZG?Q07L,EM$JC=&S8B*J"%^7'))Z+/ M^$A<-
IM[<+#9"VB\J6*.&PMEXCMX-*N! M/*-6N$:&W548"*+:"M-D\)ZAX<,UU]COI)I)7#KY@,C MEVP=N.IXX/% '+:SXGU2]\8ZQIEO=ZW96NF"*.,Z5I@NC)*Z!RTA*, HW !1 MC/)S2:CXQ\0Z+X,T?
Q;J,+Q>4S6^I:5+$(GGRQ19(]PW*V0&V]"K'TS75:EX M/BO-7GU2QU;4M)N[F-8KIK%T G5>%+!U8!@#@,,'%+:^"=)M9M(*FX>#28W6 MUMI'#1AV^]*V1EGY/).!DX'- %GPHVHS>';:
[U6^BO+J['V@M"%\J-7Y5$(' M*J"!DY)ZYKS[6_&GB33]%N+"VN!+KEAJESY[M$F9+.%#/G;C W1M$N0.I]:] M&T#0;;PY8/864L[6GFO)%%*P(@#'.Q, 80'. @% '(ZUXKU&
[AUG4=.NU_LRVOM.LK;]TC*SO)&T MS?,#_#*J^V#CGFLN]_X_]3_['JQ_]!@KM[/X?Z/8^#X/#,,MW]CAN$N?,9U, MKNLHD&X[<'D =.@_&II?!.FRS3RM-=;IM6BU9L.O$T84*!\OW?D&1UZ\T
,^ M(6JZAHO@F]O]*F6&^CD@6)W0,!NF13D'L0Q'XUS&M:KKNBZQIWAJ36]6NFFA MEO;F^LM-26XV!E58T14*JN226*D]!7>:]HEMXBT>73+MY4@D>-RT1 ;*.KCJ
M#W4=NE5M<\,V^M75I?)>7=AJ-GN$%Y:,H<*V-RD,&5E.!P0>E '$+XE\0KI< M$5XMX/+\065K#=WU@()+FWD=\,^_"6 MM-K;W5K*ME;RZS23B6TMI[M6,(P *RA0Q/'7Y!C\>M9&F?
#NPTX:9 VJ:K=Z?IC)):6-S*C1)(HXFW>H16DGEK^[6(G8,8P<>^<]Z6"[\0ZUX MY?3X==>RL+73[.\=([>-FD=R^Y>UAM65V!79%NVD#' M7YCGF@#@-.\1ZY;:]9Q>
(-7U#3+Z6^\J2TN]/3[!,A8A4AF5<[L;<%GY/455 MD\7^(M435M2T^?6TFM[F:*PLK71_.M9!&Q4"1]A8EBIR58;<^U=?#\/+*(V] MNVJZI+I5O<"YATR25#"CAMRC.S>5#6%
MM*BQ2LWW^2I9=W\05AG- &Q4^=I]Q<6>\C:-\#%,D88$9'3D5Y9H M^N:II/@_P3HMM?ZD5U&R:YEGM+)9YX8D5 (XU"$8RWWF#$"O9$MH8[5;5$"P MJGEA!T"XQC\JY.#X=6-
KI5A90:MJJ2Z;(S6%YYJ>=;*RA3&IV;2F!T8'Z]* M.9N?%/BFU\,:P$>^26VOK*.PU#4M/\EYHY955E="H!*\@E0.&'0UI+!XG_X3 M.:;PT?%MT;5].6_-U]E@\]'\PH47Y-H4\'E2>,]36V/
>GOIMU:W5[?W4]Y= M0W5S>32*99'B960<+M"C:!@ <9^M; T2V'B4Z]OE^U&S%GMR-FP.7SC&+5?"EGID^H0 MV=C+?3/>Q2*)('E^<=1@@L2,%2,<&MU? >E/I%]97G)H Q-
3U'7?"6J#3Y=:FU.&_TV\G@EN88EEMYH4#9^10"I MW=".".M5HM2UVR\#Z=J^J>+__"Y]7%JW_'BKM"&4LR6Z(A+R$$#Y@1P3BNDM M__]L)KFYU'5-2U.
[FM'LUGNW3,,3_>"!$503QDD$G%2WW@VRN]%TC3H[N\MG MTCRS97<++YL91-@)RI4Y7(((P: .#?QAKEA9>+H(M0U.46.E)?64^J6*03HQ M+J?
EV*&7Y01N7UKH7N/$/ANYT"]U/77U"QOKL6][&UO'&L+2J!&5(&0HD&.2 M>'YZ5=D^'.G7']JO=ZGJEU/JME]CNYI94W,H)(*@(I&<8]L\T_P ?6US> M^%)-"L=,N;V>_4012QE0ELP(*RR,2"
I&X8!Y6@"UX1U2]UQ=4U2:;=82WKQ M:?&% AC^0OG&3N=7//;&*YCQ/KU_P#VSJ\%GXBU));-!Y%IH^FBX6)MFGQ:F^E"70HM4O)[6)&DD
M>0[0B[PP5058G@GD"K$EUXFEUG2O"DNN1QW#Q7-S ;.WM-*33]3U*QN],M?L<-Y"\?F/#Q\CAD*L. ?N\&C_A7^FQ M6EFME>7]I?VDLLR:C%(IG=Y3F0N64J^XXR"N.!C&*
,N]N_$UG?:1X8?7(FN M=0NY\:FD*&9+:.,/@IC9YI)QG&,W-E8V]]8WLT M*"15>4QLD@50IY7@X'!KI_\ A7VF?84C6\U!=02[-Z-4$J_:?.*[2V=NW!7Y
M=NW;@8Q0WP_TZXTS5;6]OM0O+C51&MU>S2)YS*ARJKA0JJ.> O'V\67#PWUC)=S3?9(1)"T;*I$7RX .\?>#$ =B:='JX MCNY-=N]+N+S[.A,L<0DPVW&
V%!XXR!D$9!]#ET2VE\1VVN,\OVJWMI+5%!& MPH[*Q)&,YR@[^M9MOX*TVVN+6=)KHM;:E/J: NN#+*&#_+]WYS@=>G)H Y% MI?%9?Q=9#Q7<*OA\"2VG^RPF2E7]/UC6O&.J065OJ
MLFD00:1:7MP]K%&TDLLX) !D5@$4+Z9.>M=3_P (Q9>?KTOF3[M;55N?F&%Q M$(ALXX^4=\\U0E\#6BFPET[4]1TV[L[-+$7-LZ;I84'RJX9"I(Y(. 02: .8 MM/%'B#5;JP\,'45MK\ZE>6=UJ<,*
[GCMU5LHC JKL'4'@@8; J&WFU'P[JOC MV6YUZW6YC2P$>HW<(X4JP!9$&&?!P !R<<BZYJLWC"+18]9UR:SO]/GD6XU+3DMY(I4*8>(&-Q?;9)K>]:Y:2-XHR418'8(I"Y !7.
=.T;^REBOM0FBT MJ>6:SCGD0B,2(4*<*"5)(YSGN: .6.M^)D\ +X_.MDG8+PZ3Y$?V?R"W^KW M;=^_;_%NZ]L5?DN/$FMZ_P"+8K7Q%-IUKI31?9(X;:)B6:W1R'+J
M>@K3'PXTT1BR_M'4SH@F\X:094^S@[MVW[N_9NYV[L5N6WA^TM;W6;N-YC)J MS*TX9AA2L8C&WCCA1USS0!P=UXF\0WVD>'-4E?5;32KS3%GNKG1K-)Y%N#@_
M.K*Q6/&3P/QKM_".I'5O"]G=MJ<&I.RLK7<,1B$A#$5;CD<,M+".BN'0J3GG(/-;6A:):>'M*33[,RM&'>1Y) M6W/([,69F/L2RW>H>*/[,22XAB*QNXCS.0JC+;01C
M.WIQ70ZAJ.N>%-6;39M:FU.&]TN[N;>6XAC66WFA4'^!54J=W0C@CK6_-X)T MJXT[4[*5KDIJ%\=0:02!7AG^7#1L -N"@(Z]^M16_@BV6:ZN=0U/4=3O)[1[M(7%TZ;H8F^\$"
(J@GC)P2<"@!/ BZS/X?M=6UG67OY=1M8;@0^0D:0%ER0NT M9.XXQFN=\3:]?_VSJ\%IXBU));-!Y%IH^FBX$3;,YN':-E!)_AW+@8KT M'3-/BTG2;/3H&=H;2!((RY!8JBA1G&.<"N?N/
MK+?:E+#JVJ6MIJ;^9>V4$ MB+',Q4*3DJ77(!VL,T :7A/5)];\(:/JER%%Q=V<4TFP8&YE!.!Z9KSZ#6? M%4'P\/C:X\0/-);NTC6'V>(0RPK*4*DA=V\@9W @ X&*]*T328-!T.RTFVDE
MD@LXEAC:4@L5 P,D #]*X3PC\/'/A>RMM;O-42$7$D\VDM*GD,XF9ES\N[:? ME;;NP3VZT 5+[Q5K.JZ[KB6EYKEG#IUP;6UCT[2?M,;NJ@EI6*-G);&T%<#! M[U:CU;Q7XCUO1-
-6^F\/O1"U1I$E614(D!QDGOV]^:Z/4/!$%WJ-[M>66L:II9OP/ML=E(@2<@;=WS(Q5L #I;W-[XDNK%+OR$)@@BC\PX&,%R!@% M@>O>EUKQ1K?@J;6M.EOSJQCTQ+ZQN+J-%>-
VF$)638%#+EE;. < BNGG\":7 M/:7,(GO(Y9M2;5([F.0++;SMQE#C&,<8(/!.!M-,6I?VI<7>KW&I0"VN M;B]9=QB&<(H15" $D\ <\T <[=:5J^F_$+P6=0UZ;5(WDNMWGPQQE)/L[9*[
M%'RGT.2,#GFNA\8:IJ-OE,L M? L-MK6FZK=:WJ^H7&FAUM1=RH5160H00J#<<'[QYX'-:VO^'[3Q#:0PW$D\ M$MO,L]OO)S70V=JEC8V M]I$6,<$:Q*6/)"C S[\4 >>Q^*=9/P?T_73>?
\3*:X@1YO+3D-=+&1MQC[I(MZ?K5J(>)=>\1>*8;?Q)+I]MIMRD5G'%;Q-\QA1SYA922F6Z#!Y//3%@_#+36 MMA8G5M7_+,CN!PLXEAMK>-8HHUZ*H&
*YA/AWIL>GO9QZAJ:HEX;VS=95# MV,A+$^4=O0EVR&W YH_#O=4T[QI=^&=0U&34X?L"7]M49'V *W(M!!P._6JNL)=Z-\1EU]]'O-3LIM-6SC:SC$DEM()&8_*2/E8$?,/[O-;NB>&(M-
'O;K4)+V[U#4KI526[O&4OL7.U%"JJJH))P!U/.:;K/A:/5-3BU.WU._P!, MOXX3;F>S9,R1$YVL'5@<'D'&1F@#S'P\\]UK.C65Y:_9[(>+-0D2T)!6(K-T MB)QQE79NG&0<5W6F 6_Q;UZ*
!8I],M)YP.AEWRJ"?;[3!;IOD"R1E!(J]6VGL.<$XH KZ/X\MKW6_$TES<_9](TJWMI#]H@: M*2%F$F\.K -GY5P,?3.:U++QQHU]=M: 7]O<>0UQ''=6,L+31K]YD#*-V,C@ M<^U<9=S:[=S^-
M8TG0+R)[FWL4M!=VGSS*C.)'$;=6522%;GA6<,5TDUYJT/E*CL@P%CVKM'RGG: 20 30!WO_ DVD'2=.U1; MK=::B\4=JZHQ,C2?=&,9'OGI@YQBJ,'CS0;C4(K5)KG;/.;:&Z:TE%O++DC8
MLI7:3D$=>2.*Y+PSI%TOCZ;09$_XE'AJ>:\M><@M/_$A;:. /4X&<#O56T\7VFDZ?9VNIWVH:GJF6&H-?F6WU#< M+0P0O(TS+U4*H)W=L'G/%:-UK^GV7ATZ[ZL,$?D: *]UK6GV=
[96<]P%FO0[0 D,J+N9B1P !CD\&8;@\OX_NAG_9-6YGU#7O#?A_PS%X?U*SOK2XLS=23VY2&V6!E+ M,LGW7SMPNTG.>U '=_\ "2Z5_9>J:E]I/V72Y)H[M_+;Y&B^^,8R<>V<]]T%
MNH7LUN_, @,?F;VX 7&%)6C\47<]MJ5M+?+>6@M[>U !!"1A%R M3U&X \UN'1M0_X5WX]M!83_ &F\O=2D@B\L[I@Y.PJ.^>,4 =9JWC#1]&OD MLKB2XEN#%Y[1VMM).8XLX\Q]@.U?-
<*565U M7_W5%8%E)>>%/$^HWMWI&I7=OJEG:>3)96YF*211E&B<#E>H()P.3R*V/AM M9W=AX#L+>^LGLK@27#-;N,&/=/(P'Y$?A0!H_P#"5Z-
PC]SKANR+"U9TF"/6JNH^.]"TN\GMIY;IVME#73P6C2K"W?57+2ZO/"DOB;3[G0=2OY M+^_FO+22TMC+'<+*HPC,.$((VG=@8 -';0ZYIUSJD>G07*R7$EH+U @)5H2
MVT,&Z'GWK,O/"7AZPLC=W%ZZQ"]DT\8@=B;A-VY ,D_*0/4XQU%<=HVG:EX M'U/P_/J&G7U[#'X?&GRO80-<&*<2!]I"\[<$@-TXJ+3-(U::/1IKG2+J!_\ MA+KF_EBDCR8HW64JS$<8RP&>F:
/1O[%O!-G)!JME9QV+)?3Z?9":[ADVKM3!5BBGG)"]@.* M .V7QWX>_L6YU:6\DM[:UG6VN1<0/&\$C$ *Z$;A]X@4DC^$<$#%=\MC<_\ "V)-0-M)]E_L-8!/M^7?Y[,5SZXP<4 2#Q/9
MZA=:#/INJQFTU&.X>.(V[$W&Q<_>_@*G.0>O2H/!/BU-4)&;9N]-V1CUJI/ M:ZEX8^%_A+Q!'9R)JNAQK%);2+M9TF'EM&0>^XQG'^S0!ZGIVJV>JBZ-E*9% MMKA[:4[2)$^\!GK@\9'&
<^E7:YK0K4^$?#FB:4UK=7UE$_;M7:4 M %,EFC@B:6:1(XT&6=V "CU)-/K@/BWX?U'Q'X9L[;3#!-+#>QSO8S3>6MXJ MY_=YR.Y'&1^>*.ULM3L-
21GL+ZVNE4X8P2JX'UP:DAN+>\B9K>>.9,E"T3A M@#W&1WKQ?P3)HEI\3+)+GPQJ7A'6I;9XH[1'!M+P $G/R@D]QCC*CG/7$*^M(/%?A?X<:QKNE+I9TNQU60S17"NTLY9T4X(("@;A[]?Q
/;]#TC2?#IEL+.9 MFNKAOM$QN;DRSRGA=S%B6('IQ6U7F%QKRM\6HI(M/M!*WA.KJUT9M'$H2XM8UD$SKYAC+@DX7YN .?6@#VNBO
M*M2\;>+;SQ;XFTC0!I,=KI5G%>)/=1N6*M$KE<X))/7C '>L^R^)7BY[#PK MX@O+724TC6;Y+!K:(.902Q4R;B<#E6('.!@9/6@#V6H+VT2^L9K5Y)HUE0H7 M@D,;KGNK#D'W%>-
Z_P#%_4X-/9P7>DZK_9]]);;U M$R!@/DYXRW7/!7M7M>B-?P>'+5]9DMFO$BW3-JPCP,D8!Y^[C\Y\#WSM5CO_%?QMT"?RM)N;&XTJ.\M8KR%G"V[$D[AT\W[V#T"'I0 M!
[A<75O:1B2YGBA0D*&D<*"?3)HGNK>V,8GGBB,C!$\QPNYO09ZGVKS/X]L4 M\ 6K*I9AJ#8=3*7FC1IKENRRSS*X<[@-H_.@#W M:BO,[CQ7XQ\0^)M=T_PC%%I4-KH;"*5[]79KF;!RJ[2-
HX(_+GGBM9?%2]U:V M\#W-I:V*ZW>26M['("QC*$ [#D=';#2M2OM1A\^2\O6S++< M3M*0H)(1=Q.U 6.%'' :M><7WCW6K7Q+XVT^VL(;M $LH9[2*-&\R1G0,=V# MR!DG
.!6;X"^)&H^(-7BBN]:T&Z@>W:6>WCBEM[F!P,E55\B0#OCZ]N0#UF MHDNK>2XDMTGB:>, R1JX+)GID=17A<7QQU$HFMR3Z+_9KW?E'2!O^V+#G'F; ML[=W?&,8J^\1CXR^.CX;?
3XYA:VLDDMZK, !"I"J%[GU/3% 'M5-DD2*-I) M'5$0%F9C@ #J2:\GB^*>L:EX.*R:;8V? "0>()Y+=!*6\B+RVVNY .<=#C/ M<]<>*M>6'Q9X/\41V+WT>A7%Y;W=B&5)8]A!!5N003^A_$
]6AFBN(EEA MD22-QE71@01[$4V.ZMYII88YXGEBQYB*X+)GID=J\:\/>*=;M?#7@/PKX<2S M74-1L6FDN;Q69(HTW'A01DG!_+WR-+X7MJ+?$GQ__:RVZWPDM!-]GSY9(5QE
M<\@$8.#TS0!ZI<7$%I T]S-'#$@RTDC!5'U)K$FT_0O%-[9ZBMX+Y;&0/''; MWA:#>#E69%.UF!Y&>E<)XKLXO%WQLTOPQK!=]&M=. \+3>56>7<1DXZX'\CZ MFJNAOX+T?
XM6]OI.F:]HU_);3R/($=G<[-V7Y))'&05QT!]: /9**\=7XA> M-=4\/ZCXSTBUTA?#UE*X2TG#^?/$A^9]P. <=O8]>^K<^/M;\2:]IFB>#8K* M&6YTM-4N+G4 S"*-
L80*O5LL,_6@#TVHFNK=+E+=YXEGD!*1%P&8#J0.IKR: M;XLZM9>%-46ZTZT/B6PU_*V1EOL[R/NVN.OVRZB-1O6N9+9K([/LBQJPD7Y?GWDG!YZ8Q
MQ0!8GGAM86FN)8XHD&6>1@JJ/R@ M@=9+5)B%0B0L=Y!9*KO0M=\2Z2^F1Z?ISW*06<\#L\ZP[E9R MX<;3E6(7;T&"><@]&HK@4U_Q/K/B)=(TR?3;:./^R+:_DN)K=I2'D+@J%#J,
M':.2>,'KGC+E^)=[_8>@I-)8:?J.HRW45Q=21O)#"+=RC,J @L6., GC)R>* M /4J*\[TGQAKFL:9KL&ER:?J&I:48Y(;A8'BAO8V!.W:3E'^5EZD9P>E:_@S MQ5=>,C<:O;PI!H6!%:B1?
WTL@_UC'G 4'Y0,9."<]* .MHKCM>\77/A_6-7@ MNHX6MHM'.H61"D,\B,5>,\\\M%C&/O51T7OGJNJQ^'K*6"VCU2XFNTU2,*2L M*V^5?:,\9?9K:U\WPM?MY-LFR-/FCX5QP3Z1:1-*T2-($YG5R-
X!!.5 SQ5 MK5?'.K6OB74+%M2TG2I+>X$=G9:G;R(M['A3O%QN"KG) !QCG-_'IM,$T1G M, D3S0H-M4TWQ->Z>=2TS1HX$C-E_:5K(T=^2N6_?!@ MJ 'Y>YXS[5:U3Q#?
V7B#5Y;'2+2[OX/#T5W'Y*EY)',D@V;QRR#&0 ,GGUH M[^C.:\YT+Q3J6O1ZA;VWB/1+\BR>0-':R03VTH[- SY9,$\Y4@_6M?X8+>#X M;:&UW<1S,]I&T92(IM0J,!LL=QZY/&?04 =?
3)9HH0IED2,.P1=S 98] /<^ ME>97WQ)U2PT+2I9+:U;4%OYH=60*VV*""39*ZC/!PT9&2?O5MW%A=Q7ME)=126MNT)B: D#(07;.E '84R.:*;=Y4B/L8HVU M@=K#]#
[^U#%L;V"!6OI1B6W:3YA!(>M 'KU%>;:S\09&\0OI=I MJEAH\=O:0W$D]Y:O<-(\@W*BJK* N"23W&!74^#/$+^)_#<.H30I%.)'AE$ M>=A9&*[DSSM. 1GL:
.@HKR^_P#&/BR'2/$6O0'2UL=$U*:V%JT#E[J-) IR M^_""!]#D@]N*TIO%.N^&]9FB\0R6-U:MI-QJ2BSA:-H3#M+1Y9CO!#<-QR.E M '?45Y__,)#XJTJPTC7=7?
39=/U">"*>S@@='M1,0$(D+'?@LN[Y1WQ3IO& MFIP:!J4#16Q\16^JC2X(MI$2* 6)96 C7)VCJ>"?:M"#Q;KWB/5M)LM%^QZ?'?:, M-1EDNX&E>!MX4J%#+NY('..A/M0!Z%17ET'C+Q;_,
(W!XDN6TI;2"_6QN+2 M.!RTP\\0-(KEOD.XY"X/3D]J-4^(MV^LZS!9:MI6G1Z7.UO';W=K)*]W(H!; M+*P"+D[1@$\$^U 'J-'2O/8/%NO>(]7TFQT46>GQWVC#499+N!I7@;>%*A0R
M[N2!SCH3[5BZQK&OZYI&A;[JRMKZT\4?V?<,ENSQRR1LP5P-X(7C)4GDDYU-85N;B/9'%'G:KRNZHN?0;F&?:L1]4\4Z+K.F:?JUY MIERNK^9!#/!:/']EN!&74%2Y\Q#M/=3Q[T =?!?V=S69V
^I-<'\(K":#PDUY<-9O)=7-P2\-KY&UE\^*)V !$N<,Z@AB-H'!Q0!Z]16)XMUU_#?AF[U M.* 3SH4CAB8X#2.ZHH)]-S#/M6)?ZQXH\)Z=?:IKC:?J>GP63SE[2)K=HYEQ MB/#,VY6S][@C'(H
[:BN'.L^*=!N]%FUZ;3;FTU2Z2TEAM;=HWM)9 =F&+G> MN1@Y /.?:L:3QCXN7PK?>*M^E"QT^\EB:S^SN7N(DF,9;?O^1L=!@\C/? / M4<\XHKS"XU>_\/\ CKQMK-S@QR:1\
M0KYM7T>*ZU33-134IEAFMK*TEC>S9@2I#,2'4'Y3D \@^U 'I]'?%>6_\)CX MM'A.?Q8SZ4+"TNY(FLA;OOFC6^!-]KU_3?'/CN_M##?M M:V%M)%9+;MND.V4QJ#O[F45P?
@OQ9=ZYJIMVUW1]3B\@O+%#; MO:W-O("/E,3L2R\GGC!'O6MXEUK4H-:TG0=&-M'>ZB)9&N;E#(D$487<=@(W M,2R@#('7- '222)%&TDCJB*"S,QP !U)-1VMY;7]NMQ9W,-Q
V=LD+AU..#@ MCBO*/&^KZ[<>#_%F@:A<67VS3HX)7N8K=@MU;RD@ +O^1@RX/+# Z<\>C0V- M]IGA=[6Q%@-0C@?R?)MO)@,G)7]V&.!G&?F]>: ->BN%M_'*=;OM!L-+?
3+:2^T*+5+B>>!W",2H*JH8<$L.IX&>M 'HU% Z<]:* "BBB M@ HHHH **** "BBB@ HHHH **** "BBB@ HHHH **** M"BBB@ HHHH **** "BBB@ HHHH *IZKI-
AKFF3Z;J=K'0??AD'?'@'J3 MZ4 <;HWP[OHO%-IXA\2>)[C7;RQ1DLU:V6".+<,$[5)R<'_.!38OA=%%\.]6 M\)?VLY34+EK@W/D#*9=&QMW<_>"YO(HI8+8W22WT M)M+6W$7W\9.
[.>OMC\:X3P1\,]4UWX=Z/9:MKFH6FD/*\UUHTEJ%8LLK8 /'OA0Q32C7['RX9#'(_FYPK'\#4ESXV\,V=K:7-Q MK5JD5W'YL!+9+I_>QUV^YXH HQ>!HH?
$WB365OB/[:M([4PB+B$+&$R#GGIG M&!68/A?$/"7AG0?[6?;H=^MZLWD#,Q5F;:1N^7[W7)Z5U5]XHT+3+:WN+S5K M2&&YC,D$C2#;*HQRI[_>7IZBL?7/B'HFF>%%/[?
LKNWO8&N$MDV28!*W5V+]VC>GK]*V#X*3_M (372?$?]HS.VG6!LA%*N]I0<_.SYZ\^G-:VIZNMOX6O-9LC'.L=D]U"3G:X M"%E_\5F^'?'.AZZEC;)JEFVJ3VZRO;1O_%M!95]2..?
#EKJW]ESZS9QWN\1F)I!\KGHI/0,?0G-+JOC#P[HD\D M&I:O:VTT>TM&[_, 1D''7&!UH XIO@_,MG/H=MXKOH/"T\WFR:6($+8+;BBR MGD+D=,?G73KX)MXO'&G^([>Y\J.QTW^SH[-8_EV
D@[L]@<8QVJ_;>+__[> M:M'I=MK-G->R+N2*.4-OXW<$<$XYP.<4EQXP\.VNK?V5/K%I'>[PAB:3[K'H MI/0$]@3F@"IXY\()XUT.'3'O6M!'=1W'F+'OSMSQC(]:/%WA!/%M;? MV7?QWH
CW^85_AZC'UYK7UK58-#T6\U2Y($5K$TAR<9QT&?ZA;6L=Y&GRE\XE*@M&O&6(.1P.U &/JOPXO7U[4M4\.^*+G0SJH OX M4MUF60@8W+D@HW)Y'.2.9??"FS_X1W0=-T74YM-
N=#G^T6MV8Q*2Y.6+J< Y M.#Z=NE=OINJ6&LV*7NFW<-U;/D+)$VX9'4>Q'I7):G\1;6VO_%.G6P@:\T;3 MS=1!W)\Z0)(S*0,8"[%SS_%0!#IWPUFM+_7K^Y\3:A->ZS;QQ2W42B"6)U_C
M0J>.@ &. ,(/[6ETY&6W L4@9MR[O?ZG/0Z M#XUT+7'MK2#5;.34I(1(UO&_.< L%]<'8=7_+)DUBT6^WB(MQ&3HYZ(3T#>V:Z"Q\')9>,?$'B$$7K.VL0Q1&#R\"+8@7.
<\YQGH*Z&ZNH+&TFN[J58K> M!&DDD8X"*!DD^P%96G^+_#NJZF=-L=8M+B\P2(HY,EL=<=CCOCI0!R<7PDMX M?!VC:-#K-Q#J&CW#W%EJ440#(S.6(*D=.,]A]*M6'PV=?
[P:]>!8UAB9<82-3@,/#L.L?V3)K%HM]O$1B,G1ST0GH&]L MYJS+K^DP65]>2ZA EM8R&*ZD9L"%QC*MZ'YA^8H XV;X6E-,\.#3->FL-7T& M,Q0:@MNKAT;[P:,G!ZGOW-
:G@_P*_A76=:U2;6)]2N-6,33/-$$(9 V3P<8) M8X&!@8'-=-:-G]L@M!?>LR77)X_'<&A>7%]FDT MV2\,ASN#+(B8ZXQAC0!G^,/ D'BB\L=4M=1N-*UJPR+:_MP"0IZJRG[R\GC/ M<^IK-T?
X;W<7BFT\1^(_%%YK>H6086H,*P11[@0?E4GL>V/QKI-/\8^'-5U' M^S[#6;2XXNOFVQI)G?CKM/1L>V:)_&'AVVU<:5-K%HE]O$9B,G(<]%)Z!CV!Y MH
XN;X13K!>Z3I_BN]LO#5[,99],2W1CR$+[1[MG4;J>_OKK[=-JC "0W Z.!T &3Q[GFGZ?\.+]?%>G>(]9\57.IWMI!);_P#' MLL(*,I4;=I^4C<3GDD^E;MOXMT^T\-:=J>MZKIL;72#;);.QBE;_
*9@_,P_M"KH\4:$=)BU7^UK/^SY7\M+GS1L+<\9['@]>F*.(G^$UWJ,]G#K'BNYU+3+ M2Y%Q"/:(;DX)(5KC.XCGT_+C'H-M;7D6HWL\]^9K6;9]GMO*5?L^%PWS#EM MQYYZ=*K:-
XET7Q#YW]DZE!=F @2K&W*9Z9!YP>Q[UJT <]XA\,/JU_9ZKIVH MR:9J]FK1Q721B17C;&Z-T/#+D]00>0:I6G@F2YU&;4?$VJ'6+I[62SB18!! M##%(,.%0$G:E=Q6MN&"[Y&QECT]2?04
9>C>&3INL#5'N=TK:9;V#1!>!Y18[LYYSN MZ8[5EQ_#]K2QT[^S]7>WU/3KFYGM[LP!E*SNS/&\>?F7D#J#\H/%6-;\XH H2^$-4O=(U"TO_$]U+-J4B?:98X]B)".#%"FXB/<,@MDDY/M
MB]HWA2WV/:S=W.ERBWTZZB0/IRQ_(LJ@*)$.?ERH (OS@&FGQCHUAI]B^KZM M8175Q:QW&V)R5D##[T8/S%20<<9P*MS>*=!M],MM3EU>S2QN++"Z\,W^J:+JFFN;48:2Z=A%$V1Q(
M_-R\'T]*GU/QEXG- &/IGP^CTZWTF M$:DTG]GZ7/IH/DXWB0J=_7C&WI[]:Z'1M'32/#-CHOG-*EK:):^;C:6"J%SC MMTINH>)M$TNPM[Z]U.VBMKG'D2;\B7(R-F/O<<\5-
I6MZ9KD,DVEWT%Y%&P1 MWA<, 2H;&1[$'\: .+7X;:A_PCEMX>;Q*!IEG+');)'8*KG8X=1*V[Y^G8+D MX)K0UKP5J6KIJ=B?$;_V1J3EIK:XM1/)$& #+%(S?(.. 5.W/%;.K^+M T&X
M%OJFJV]M,5W^6S98+_>('0>YXHU'Q?X>TFV@N;[6+."&>+SH7:0$2)D#GK0!DZGX-U*X%Y;6'B%H-,O(5BEM+NU^U",! G[HLPV9 !P0PSSCFE7P% M!"T@M-
4O+5/['ATJ%H6VRQ")B5D#@]>1QCM[UJ)XP\.R:I'IJ:Q:->R%E6 / M\Q(7Z?/EQH_^LQUVGHV/;-&?9>#[Q]>AUC7 M-7CO[FWMI+:'R+,6_P KXW,YW,6.!QT YXK1\):#<>&?
#T&D3ZC]N2V_=P2> M0(BL0 "J0"*,63X>V,VN>(=1DN7:/6;1K9K?9 M\L.]561E.>2VQ#VY6EM? 45KX9T;1_[0D=]/U"/4)+EX\M<2+(9&R,\;B>N3 MBMB?Q5H-MI,6JS:K:K8S,4BFWY$C
D87NQR#P/2G)XHT*324U5=5M#8/((A< M>8-F\G 4GL<\8-'/WG@&6Z_MR!=8*6.JWD5\8#; M%,C1$D-N&01$!C'&:W M[G0EN/%=AKOV@JUI:S6XAV<-YA0YSGC&ST[U1'Q"\
(FUEN1K]D8HG"-_()! M(^7J1@$Y Q@&M"[\3:)8Z5!JESJEJEE<8\B;>")<\C;C[WX4 5?$OAV?6Y=+ MNK/4?L-YIMR;B*4PB53E&1E*DCJ&/.:K#P:@\-^(M'^VMC6IKJ4R^7_JO/[8
MSSC\,UI)XGT*324U5=5M#8/((A<>8-F\G&TGL<\8-4U\<^';C3-1OK+5;:Y2 MPB,DRH^"!V_]>E %2;PA?6NI#4="UH6%U):Q6MT);43QSB,$(^W1B22?88X;;C/.,=CO_J\]-QZ+GWQ4FI>+-
T> MYCMM0U:UMYY0A2-W^9@Y(4@=P2K<^U &';^!K]DTRQU/Q"]]I&F2QRV]M]E6 M.1S'_JQ+("=X7 Z*N<#-7[CP7:W'CRW\4&X<-%$%:U"_(\H#*LI/]X*[+T[C MTJW/XP\.VVK_-
E3:Q:)?;Q&8C)T<]%)Z!CZ$YK6N;B&SM9KJXD6*"%&DD=C M@*H&23] *.5N?"&IP7^IRZ#XA.F6^IR&:YA:T$Q24J%9XFW#:2 .H89YK0L M?"Z6/B&UU47UQ.;?
3/[.Q.2[R#>'\QG)R6..>.],7Q[X3>2:-?$%ANA3S'_> MC&,@<'H>2!@9.>*M0>*M!N-$DUF+5K0Z=$Q22X,@"HPXVG/0\CCKR/6@#)/@ M5#X.D\/?V@VU[XWGG^5R#]I_;C/_'8=7_
+)EUBT6^WB,Q&3HYZ*3T#>V7UPD%NA->1SA M5R0!G\2* *FN:'!XA\/7&D7(C[)T4-+%\K*ZD,KKUP0P!'TK)LO"NHR:W8:G MKVN#4GTX/]DCCM! H=EVF1\,VYMI([_9/%;YU.Q&K+I1NHA?
M#]H%ON^F>*Q+GQ=9PW1N(]0TZ33$LI[A\.WG,T<@0E>-NP'*D]J>'HM4U_2M3EFPMA'<1F ID2B55 M4Y.>,8_'-8MCX)U6PMK32HO%-RNAVDBM%;QP;+CRU.5B,X;E.@X4$CC-;>L>
M*]!T"9(=4U2WMIF7>(V.6V_WB!D@>YXI;SQ7H%A:6UU=:O9Q6]U&9;>0RC;* MHVY*GO\>7IZB@"7Q!HEMXCT*ZTJ[1:1(IU'SQG#(P(96'N& /X5A/X*O-6\Y M?

$VNOJ4+6DEHD,%O]F0!\!G8!FW/P,'@#L*VK?Q/H=UHDFLPZK;MIL61)<^8 M B$=0V>AY'!YY%9.E>`[/7/&0TG2[BVNK+^SFNGE0G>L@D5=I'88;/(STH C MMO!VI2WFEMK?B%M2M-+D$UM"MJ(F>100KRL&:\@$] HSR;<_@9\"ZAX8^WL M%O)9I#<>5RGF2F3&W/._XZU9UOQG8:)XJT70KAHUDU'>2[/CRP!\G&_=S<#Z M&L_0/B/H]["(=5U*QM-0:\GME@#XX65D3.E76JVT5_+(L26[AY9@"HQfY"YBHXO&/AR; M5_[*CUFS:]WF(1"0ZU_5=0MM;N+*'5+1+>XC@3;(K(&"2)(#E2-QXPGRD'\;I7_BS0_.L[.[O-5MH8+Q]LQ:/FJ0#N4#DC!! MS[T 9FG^$K\>{+6];UF/4+FQADBM>)LA; ? #,YW.6.!TX R>*O>(?#DFKW M>GZC8WVL4T]G\bXH2]5< .CHZ0 F=[Ga@@8-9VL^/=-L8]'N[. L9]NMO_MI6>4/H0>1 ^_'3^ & MO]'UV'4-7>XU+6A&MQ>" *]\$?D1(*;>Y))))KL9I4M[>2;3=LC4NVU2OP M!G@#D_05C>+M=FT#1!/9Q1S:A<3Q6MG#>G;)+(P !QS@#)/L#5*P\52:E\/6 MU]#:6EY';OYRW;,(8)TRKJY'(4,#[XH R/6AV\NK^(O$*V]PECJ,I1V,5S$ M8R(2=\C!& *J\C,<$= *F3X>W1TR#0)_$$DOAJ&166R-L!*T:MN6)IMW* @? MP@X&.UT%QXMT*PO(+"^U:TBOIC&BP[_F9G^[@=<&C_A,/#IUC^R?[8M/MWF> M5Y7F?\M/[F>F[_9SF@#'O_!%]-J&LOI_B![*QUG!O+<6JR/NV",F-R?ERH&< M@^V*NZ+X031]2TR\%ZTIL=&32@ICQO"L!WYSO]WI[];MWWC#PIIF!2V=>ZQ: M070*AHW?&PMT#'HN>V<5MT %%%% !1110 4444 %%%% !1110 4444 %%%% M!1110 4444 %%%% !1110 4444 %%%% !1110 4444 % M%%% !1110 5Q?C@&UUGPOK%U#)+I6GWDCW>R,R>46B98Y"H!.%8]>V36]*TF8V5GK.GW-S]$<#9NDC;YV5<;F" @9QZXZ57UO4H?$.N M>)[S3({B:S_X1*>",?R'597W.2$R!NZCIWSZ5ZW10!YQ?.7'|E^&UNMF/*AN MHF9!'PFVV<@GTPV/QK/U@W&A_$?7+\VUNXT:UOK>W^R3K8+<)*8*0T88J=K! MLG;WW9KU>B@#R;PYH_V?5O (M>F&-.3F07L"H\6)J5R]\)G)P.P/:HO$%M-_M'IOC]DMI?+&LV-QA(RAKUZB@#!\0W$6I> =6N+,F6*XTR9 MXB%(+!HCC@\_A7*W-CY/A[X:I#;%#!>VH8*F#&IMI-V?3G&?>O2** /"%O+2MP^&VM>$'+^RN)?$<[W6@$BLTI]XQNY=\\LCG'4D^E>QO:"2,Q^:5 MB59)0I_&8=>^,U@>)!I;Z[\0;21)1-J/A]#: 1,1-LBGW $#+&N1N"O7]=% M'GU]8^2/APL%L4%O6=VE+"1)"OS Y#;RW'KQ7O=% ',.8I#\,M=A&^67^RYUZ99CY1';N;P+ MVQ\G_A6X@MB@M[A5.Q,>6IM7!!]!G%>@T4 >"06TT'A"[\.JK&IKJ$EQ*DN MD6^EH\L[M*6$B2%?F!R&WEN/7BND\0;%":72_$#6UY=R[?E!MT.S M Q'&6*0??FO5Z*/:OAA;ZC=W U?ZK!)'/IEM%H<1D7!?RV^GH_GS^%;R"%QP/,:1,+GL37HU% 'E4^I6&OZ7X1T71+2==2LK MZTED@-L\9L$BQYN\D +P"N,_GC~TK4M.T?PM?>&M8TF:_Ul!0G9!/,#$WK M/.720-C;5VE3N)X\V]*]7HH \9US4[N=/&&G_;3I4)DL\.:59Z7Y\L^/+ 65 M1&!!#GN~H'6M71KA,'Q+X1FNEECCNO"PM(G,3$&;=$VPD#@X!ZXZ5ZC10!X MUX2D7PZ/!^L:U#+%IPT%[1)VA9EMIS(&.[^3M>RT4 <8^+3XL7EZ\;K OAY&DD5"02L[GM''4X[=:ZNQO8=2L+>]MBQ@N(UDC+H5.TC(R#R/H:L44 <9\2%N]2T:T\-6+. MD^N7*VKRJA80P#Y17\ P$8QD9W5BW^EZYX5\6:%XCN]3CU&V+ #2KI+>P$/E MP2'*,<,#]X=*[&B@#Q:[EO=:\:+Y#<1V^ MIVS:GIP75(:+ VYOOYJ:IZ_Q:_PXQI*Z?O;:,?&CR10-AO#%]$65."T95< M_G@5Z%10!Y!HVJZ;H'BKP0V#8!VQC)]._=ZIRO#IT. MBZK?V,Z:9<^+9[ZV@:!MZ0M$^U_+QD#<#)C&<'->L_V);#Q,=>W:.;C9BSV9 M&S9OWYQC.>'QEKULUV-%)6)8UMM,^T7.ICR^"K,"IP24 V MG'>J/@6P=KSP ;FU?-MHMXI\R,_NW\R-<'/0XW#\Z}?HH \YTV!.Q^(M[^I M(O+EK^<3(L6QH1M!PV|)VG&=V:]%KG=3*:?;G M/?V>NZKIDERBQW"6CH5D"C (#HVUL'&5Q0!Y/HD5S:Z-X)UG[7/I>F0VU[#] MICM1<"TD>DZ5:.)I-KIEA'Y=K.1B_2"]3GN[G3+"VMKV W2V8F%K* MTO*EE8':&4$;L<8QP#7NM% 'B\NGK?Z-?7<:NU<^O)XKO**/&:;]L M&\.>#KQ-3U+1;VQTW[%_:2V?F0QR*D8>"5'7J2.@\#Y3@UW?P]NKN{\-R2W=_MI;PG[9.(YK>U-NMVF[(G\LU]7))YZ]>]=710!XOKVIW5Q:^,=/%R=.GDFN8T MTFSTOS)KT:,+*SL#D.,9(P.]=!X1M!)XUL:N6W)V^$[*.9'3H2[EAD]^!D5 MZ110!X,EO-:^%M3\:MK&I)?S74ZRZ5!I.2273/*2LDXTNZ\1RI91>5)XEMV-U<6K31V:^0A-QL&,D,,9Z9/->O44 M ->(7=OJ>OZOXGCL-0N!4FNO#30P7;68MTF82DF./ &X8;&23ROYXK>N=:T?7 M/$/@:/;2;2?S+.[82@VKI\C7[.X\IR0 IR!Q_L 2O4:* /(;:::W\(WOAC5=8 M=0DN94ETF#2T>2X=I21(DA7Y@:/<,6%U:. SOU MR50N^H/:.M% '@_VO7A8)\0#!IR=7E>72_LY0[B@MC&3CT^TMN^@KK,70)-& M\3:1[<.,N+:.PM<6Y< D/)YD6>?4G)KTNB@#R+PL8=1F^&>V&1SIUG=03B2%E M\F988@0=PX(]?RKKO"D+P^./&G[IDC>_@=/EP&S;QY(]>;Z^B@#S+6M8GM2!M6KV[7JZ&/)@$4T&F&XN-2&TGY6((^4D]%VDYS63X)L9" P _M%I*&M.?5-P MECP8GW]!GC@]?Z5[*10!Y#]MC<)>^(+H64TMC:>*+2^NH8XBQDA6&/>P4?>P MO#$#/W36YI&IZ?KGQ<;4=+CDDHQL,1+>>2R)(PF0A02!N(! 7':O0]* .*\6 MW"6'CKP=2? D6U1[]%Y5C9E5Y(U" X!QDBN5ETYE^:'5 M8*&*$\M[>2%1\$.M+D[6QU)P!@^PKU^B@#AM+T^27QYXWF2+9/+,V<<${]+T/E-T/L<=/05R+75M< M_"NP\&6ME\>XFC\B'!)]G&??G!SUYKV>B@#RV?5X_"O/'FF-M7L5R+W4)FFLH4MW)#Y#/:,A62/.<,MKJRY!S@# \T >8Z)##]"Z2\.GR1VW_":W.H@DB*F(".0C*[S2(7 MC^*7B:01,LY Q6[H6B6GA_2UL+.RNN[I))9GW22R.2S.Of MDDDUI4 >?^(+/5?$WQ#L[33KP6,&@P?:FN)+:SD:XERJKM)"!'GC/&ZN8U> MQU7P[I_C?0+R9K]-6TZ74[:>&V.:F8_+*FT$X8_*V_^IKV>B@#A/#UB3\0O$ M-RT&U_[.L(XI63IQ(2 ?]%S!'7GUE:S+X*B*ZAK&JK]0F$8LA49&?G\PMT[UY10!SYXEG72]2\)!87US;W5Q+YDFAZAIHNH-4?8H!CP, MX? 7@\$<@5ZA8:M%_<4 %%%% M !1110 4444 %%%% !1110 4444 %%%% !1110 4444 M%%%% !1110 4444 %%%% !1110 4444 %%%%0BKQ/I_@_P]<:SJ7F&"' "1#+. MQ. HK:K+\0^'M,\4:)/I&JPF6UFQD!MK*0<@@]B#0!E>!?'FE^/M*FO=.CGA M:"3RYH9P-RG&0>"00?Z&NIKG_"'@O1O!&EO8:/%(J2OYDLDK[GD:&.3[#I*Z M*@_KR?XIN]>& #\P3&%M8B$]0D[W38^0,=R*]8KDO'OA&Y\76NCPVU$% .'4 MBBUC!!*=RH&!48[\T <5X3L?!Z)K-[HVA>(;.>WTZ;>=3\U$="!RJY8\)?A1H MOCR?0 !O@:VT?0EG.M&>*.WDNSF E?CYR.02V23T%>KZI:.?Z1>V:,%;X@>(M,>@+!*1G]:\^T_P"&=]9VO@6)K^W8^`)9I)B%;]\:(V^F/>@"]H'CO6KZZ\3M:5J.@Q?WVHB(XM[2Y!2X#]2H#/C;VY/KTXQ5#PY\3-3O?&MAXRTE9+^%Y M#$;3KX3FW95+%)0.AP#]>I]?^&MYJFI^-;E=42W3O#;P11%%.Z(QJB.[U!VX M.-Q>5-I^&VMZ?XG\,.S>7.B1II$4D!MM/M6B#]T93>6/WG.@VYKUS MX?>$[CP=H-QI]S^%ESK5QXTE-]G]N_96MB5 M.8'A[M]?;UH X7PAJ$^I_'6'7Y;A_LFH37Q@e!8[?)B0HK?H?RKKS\5M?FT>?MQ59^%XY?"B$O0S.%9IBYWVY TD9;<8P?ND9[\ZJ_ MDMOB)#_PE=WIM[#'#IQTI=6L;P.?W\.W+9!Z$< .@#6"WQ9O_/A'.!N?I)M(M=4UZ63['#<7/EPQ0H?\ 62.1QGJ.H/Z/CWX7IXITK1K72KP:?)I&V60@G M-LR;&3CKP!U] 6K'C#X=+.K,6&S:.UE!=:,&/+ MH;V#S;>2{J%.OIA1S\?J" "M!X$\.&/LA/IVEU:P0:CI@PBN!;3B:%PP)5T8=0<\!]U^(ZZ?A:(H 6TW6 3ML [(5OLVE!FEW;VPV%(X'.?J*]0\$^&;[P],WLFI3:<]U=RAS'I]DEO%"HSA M%P S#D\L3_/.+XD\$^)KKX@)X]\.ZM86#?"VLV]XFPM9ZWYB-M2E.EZ3Y>E6EH MLEWY\"ZI+ HVI!]'N+(1WUK/DL\RJ?W]'H"3V]S[8 ,BV^ +GB27 MPC!XNE\+6XT))?+NG2[S+], 9N1<= 2!SU.>@YK3U[XIW,7B"[TOP_:;=<+86 MR7%Q-?WHMQ)O4,J1@]6VD<_Y/%^_ !WB7Q9*+'2DUNTM_#UY.[W$;0$W"!9 M22J-G!!*AN>03W"%=CKGPNO1XDO-6Y2:.MOK=(0H-5L /$)10]R1'G!P!P> M,]<]@"6[^TUIX0N-$T=:0QS7G(L,L^PQ21[!C=6-O.3Z#..U-M_BCJ-GIMOBW^V]$C34_#HC9X,28LDPD^Z02,@#@D^AZ=]T)/A]=?VAX*N%O[9AH#3/<$ M6ZP^>T@7)5$ 5>0?_KG)I3X$U1->\8ZG::REG)KB0+;R)"6)&A,:X.Y6&"#T^ MAHK^#OB#]O73F]@T;33UM37?V9-M\&NX@6*B1XO[N1T_GQFUH7PKO4\5V^M:R=$@6WMY(#%H]LT M/VK>A0M+DXS@D\#K4&C_GU?29+/3EO="';1[6Y,PN6TM'O98\D^6S."N.>O M4?I0! JQO6U*+Q7]FD:,8Z0#ITPA\C4;_P"SSW1[F/<-F/3)]^]=W/[&N?VK MHT=MHRM87*,U_]PH!.T%0 #\^3QQD5Q'B_X,Z_XCO]14WNAW=G>]U-]%CMFZL5_NQ.F,@=MWM]3LEWH.LZ3_PCEC!VK)_9.G6_D7L6L%^\ MKJWOV:&X0$E22!RK+DX//!Q0!6.EZ?\,:76-=M9YHM% MCM?:,2URR+*I^]&2?EW9"[1QG!I8O$WB#3:__$E?$6E6-O:.K,+>_K6X9WMI M64LB2 J-@#*O?B!X@3PM M<^+++1;&;0U8B!7N6%PZ!|@E(V[<$\!)O$=UXDUO2-#TO3Y!I;.MPNTUW<.@D\R/<% 53SUYZ#CKFO.M6N9/^$,NO"&C:[9O"UR;>VTM[9A]*YFS MY3+NP%')WX^ZQKUS3="EL?$OB#5'F1H]3\C8@!RGEQ#GZT K69O&,4[KRH;=!@'+8RY+' QG!/&*D@^(.U<:!?W\A;7&'4&9KZSMIHSHCR>;96W.ZU+.!]NB6/EV" M2K>Z)Q&0KY*H@4ID3@<9)//%=7I/P_ETQ?%(-XDG]]I+!9]<6L+F1]G_?HX/:@#)O/'27>C^)=+ MU.+2[Z:UTF6]'}FWI>&XBP592PPR,#@?1@16A_PE&O3ZKPMlL4>X'+LY&|B M21QP !T)YK6TCPU/IVO:GJ#W$;I=V-K;JJ@Y4O!P2?8[O^5 &'IOCW6;R#P]MJUQH!!HVM3L1J+EFN(W=6PQ&T*5)4\9S@#@^PR="UWQ'H^C^)=2M;G2K M#5[^6;S;AEGE196+F,;2HVCU/!\"?HK7P3=0>%/"FD&[A,FBW<%Q*X!Q((PMV0ON=W>]/_"&>)X],UG18=5TY=+U>[N9I)#$YG@CF(); P_W6GQ07-E!9RQ7L;L8O)W M!'3:1NX8_*<=.M0Z!X%N]'_X1427T4W!BK>"5@!!E\XY!'ICO0!4E\>:T=9O M=,M[/11?6!C22PN+\Q7%TQ168PI[E VY8A2>N.<5;UKQU-!XCN=%T]]&ML:*& M.2YDU:]\D%G&5C0#))Q@EN@R.M1>*/!FM>(&U&SDET:\L+S/DS7]J6N+ %0"M(RO#8.64D@=GDFG7/@C4+#69=1T=M1+O#=6T,Q'}\ .=2[%D5EYR5QD=\=:.M .C*^(%MG)(")(=271BMD*0P,\2NXU)X48 _F M@#G()%;:*:DTW1XY;F3Q(FGF,W##SG>./#Y.=O4#&.,U=?QQ?Z'<:S,>)K M&U22PTX.E&]A*SK+&6*[/F (;<>ASVITO@>ZDN+B07<($OB.'6 ,'A$5 4_ MWOD/MS5G7_!2^(=9U*XN;@'):7NC?V:54?.C>87#CMQD?E0:YXKMMLVK:'9MK:RVTDP:TN&&/"VK?9(]^MSVD3Q[SB+SER2 M#WQ26VB^*,V>WCUS5K.64$,D,)8(ZM=EDV;I-W"@ D[1GGOQBLBU\%>)OL/A MW2[S4],.GZ%=V\L30PN);A(N%WY.%.WL,Y/<4 /D\<;^;?Q)J4.D6(TO0Y+N M%WDN&$LSQ*2NU0N.?=!R>YQTY6Z)<;QINGZ>^16.E6MY]O^)+>E8XIHMF]F MG.\^5E2& (*X'/ M0[ATJR_@?4=3TO4X]!O+"TNKAX9+1.M@(K1XF#]V2SDL!G.!C@8JW9Z#XD MNO%VFZYK=YINRRMIX%MK-'P3)LR^6]=O3M@<4\32;+8KHJ77D3+]l;SV7SO*.BC:MP M#V)R<'I76ZSH%OM<-M/V@S&3SL'9@<W-O3CZT=!XIUE_#WA;4]8CA69[.W:81L_'3FNE\5Z/+XA*.II$,J127 MENT*R."0\(ZG%07/A^.:?O/H,JB:,1Z,:W$+H0#G/'K2R>!,Y&GO;._@BU./6YM5LW="T>V1 C1..#@K MD$CIQ6GI'AW46\07>O>(){26[FM!916]]K>5%#N+-DMRQ8]>!P.4 0.WXICD MG.GV=O'>6LNCSZC*.6E;0]#T#2,)3-H OI"O= M7+B.!3\NS@<P,'G<K0?_/ASP#+!H6B:[927RW,U]&;6VE8'lS;*A2$.}J.L6J6<RM+19PLEM'!.TC"-AG$F0&^F1?!Z(.6B\5^.O$$VCV6H:C9W MX/+N6# MK^[BPBEP%6/:O9CUSG@UZA8VYM-/MK9F#-%$L9(Z'-KB]6\!W>HZ;XEMTO8 M%;5=0BO8U=\(418QY<6&]WEG..QH-,\,)4E=259SMP$)4],D#' M4\5=L_!>JCQ%9ZK.='LX8+.XM19:? R(OF!?FW'&XY49&!@ =:MP>#+F+PWX M0TPW4)DT.Y@FE?!O(XV4A?KN[T 9&M>*;M] \26'B#2K26YTN:SWI,7$@BF M2612A#8# @@Y'?'H:,_PD$WAW7O&.MF$36D6KV4=T68CR87@B5G'T)QZ9K4 MUWP/=;M+XF>.[A0:O]A\O<#^[\AMS9^O:G:E>.+:,^+[_Q%?01:5K3H&+9& MQ?)6+!|22O&/:@#;MMH$75R\@P.*A4!'8A%08[' =E0 4444 %%%% !1110 444 M %%%% !1110 4444 %%%% !1110 4444 %%%% !1110 M 4444 %%%% !6-KWB6P\.OIJ7K@&_NUM8\NJA2026;)^Z O7U(]:V:X/XF1Z M*S8 VD:ZX+?:]OG& M#'[CRL\XV[=NWO[UWOA&*[F\":/#K*&2Z>PB6Y2<9+$H,AP>I]<^] &;:?$+ M3[^WT"ZMH@:?5KB6$M),JFW"({Y8#(Y"=,C&:ZJUO;2^M_/M+]&XAR1YD,@= M)^K+1]3\/_#RP:&SG4:I<\@4*?WBQRD'0#0[8[5;\56CV ^(E MIH*VUOY>F2S101D*(V+"9MJXX*+\V,9 -'K]J-CJ'F?8KVWN?+.:\F57V MGT.#O4DUS!;.&>>,(:_IA)/!=I>0I/;OJ4A>-OE6O!(P!'<9 XH [&U MO;2^M_M%I=0W$.2/,AD#KO[CBHH-6TZZBFEM|0M9HX?]\)P'O%M-A6VMIFFRS101D*L,%O.::N."B_C!(!JUIFGV>]>_.+MDU+PY M)'-87$4]OH-FRB6V9,8E8.R@ E2N>^0* /6C<0!XD,T8>4$QKN&7P,G'KQ2O_MS12EQ'(CE&VN%$':?O^AY%>$0WUX$LM;NS+GP*8+&XP#ER96BG(!?W0C;\.]M3\ 6DL'A*WO+I-MYJS9WE!!$9QO)(&,^G;UK4M;VUOH!/9W,-Q"3@20R!U_,<5XZWV<3HVK;/[MC*^^W>;_ *K=AO)\$MM\S'7C.,TGB?R'O/%Y\);#IO\ 9$ U#^S\>69?/^?& MWC?Y&_.,V.T>PVFI6_^TBV=[;W!C.)!#*K[#Z'!XID&JZ=-=73VUOJ%K-<1_ M?BCF5G7Z@'(KS_4]0\"6"-<\&@#TNS\96^JP7$FE0 MQW!M]3%A(KW*1\;PK2#KD=2HZMCBMR?4K"VNH[6>]MHKB7_5Q22JKO\ 0$Y_M>.1)IL&FWIK:K;QW47G>(2I!+5 =NN*O(\=*\;+XI^P_P!K MF^NO,%UM\)Q_\/+S\V-NW;M[!.:/5KK4;&O#&[O;>W"@,QEE5, G)R>Y! M_*IXY$FC62)U> QE64Y!'J#7EGAK21J?C72 _*5CKM*YPG:&1+1 ^V0R.&) M! BZC/7D^M=\,46'PG.;1C;#;ZE>Q1(.B\09WPH]A0!UHN8"DKB>/9"2)&WC M"$#)SZ8%0W.JZ=9B(W5 ;P"; 5&695W _$R>?PKRZ?6M-TOPU\2M/O;V""^E MO;PQVSN!))(@"%5ZG)Z8JK>06GVRUGCU'0A>'0K1)[' Q'!!B*2+:WS0RYRO4 MAL\$XO!2O+]$D6L16AAB^RM:/,]P:A05*E0!LZD$$G=T&/>)(M3T^>Z^RPW MUM)<;0 E)_!2:>0< YQ[UY1:WD5^^CW.%BIC" @Z]NV=R_EJ&C 9N2.#(0 M[8]6#1M-TWPE\-;ZSLH(+Q[ZQWW"(!(_F1.7RW4[L\YH]2EU73H+DVTU-;Q MW 0N8GF4,% R3@G..=ZDN[R"QL9KR=PL$49D9LCH!GO7A^]R>&8_AAXFM]<^ MQ_\ "5?:+LS)*!]J:.S&,;+_!:.FS!'&W/:->P7D"7/A&:&2)95>Q(*,NX' MY/2@##)M?'UA=OX=>-$6UUFUFN3-),H^S" $;.W:/SX/(QBNF@O+6YM1=07,, MMN02)8W#)@=3D<5X]K>LM$UC_A5\ALKJ"(3[EIHU"LGGK###G>!QN!Y,>>PR/SKS?PK$G_L19;.4 M!!D8:V M\PX3SI53.W>@:0G@;XDW"Z=:,"6VU"Z6W?RQF$*B.H3^Z S,<#'\)K= MEM9-!_P*$X\1/XN:Q\Q[6U-F=2V[3;>5\^S?Q_K-^['?% 'HUW?V=A-)[R[@M MX2<"2;0(N?J:S-9\5:9HBZ6T\R,FI7*\V\+K(NWD$[R2?N@#J.Y'K7E5C DFB M^%I9-2L;XC%]_9D6N6YDMIK8R_(I)(VN$";3UVU(UQI%SX:\.7%UIFF65G9M^*6@EDCD\RT92LA=XV?I$S8XZ9'M0![66 4L2 ,YK D\66;>(M+TJR:"\2^ MCN'\,ZL(S$$.TXSDC?ZC&*H?$P2 X!O?*#M;[X3="+ .3;>:OFXQVV:L^V:Y M[=X6?XI>'F\.G3S)_9MWYQL-NS9M3R\[>, >QWQ^% '=V6N0OI%M>:F]II\L ML0D>)KM'5.<<.,!AD@9'K5N;&!"WN(K>:^MHYYO]5&\JAG_W03D_A7CW@S2_M/UF[\"P:E9PW<">&YY!%.@=*WFQC)4\AC52YC0R> (]8O?#-M)]MG$BZG:N_M]T(,?N3$1(/EV;=FT=?>@#VV\U"RTZ-9+V\M[9&.U6FE"-GT!)K.N?$^G6OB M33]#>53&8_&/>NXL;=+:3I;*]CLFO0 SL)8_+V%B2>I*#/0C&*.M /59[F"U0/<31Q*3@-(P4$X)[^P)_"]\FLZ7#:Q74NI6.6\W^KE:=0C_$.< M\'*Y3XDV5QJ)\)VEW$LMO+K\(DC895QY4W!'<'N.]9BVOAS3OB{JUOKT&FVU MHFGP#2H[I$2!8OG.PC#?*#O(SCG&.U 'HYN(0T2F:.-+_JQN&7XSQZ(\MO$VG^&M%O=2NG$BV@72$CKO+ !T8}ZGK]:U^I6.E*MUT!I_A"_GE%QH:UJ26$T MYVHEN\<@A7CW@S2 \[<|L5'XDNK#6=-^)UW:/#=VRM8M:,H#KE4"LRGVPRR>@#MV&?5=.M;>.XN-0M8H)>(Y))E57^A)P:MJP90RD%2,@CH:\>U)H)?B'25=4!W8W=3C':NS^&<8B\%PK'>)=VQGF-L\<+1H M(RYP]!B3L'(4YZ8H Z2?5=.M;I+6XQ[6*YDOLADF57:/H"\L;[P_XQGB@\/60-S7D@%0 M,A1SC%=/8RZ_ C2>;Q6]D4DT2S;3GU KY9CPWG[2_&[=MSWQCM0!Z5=7]G8V MXN+N[@MX3@"260(ISTY)Q1-?V=O9_:YKN".VP#YSR)@]#N/%>5Z4_AG_A*=M&>YB6#P[_8SC2!J^3?Y[>85WDC)385[[.8XI1+%SXCV.(5%H)@WPLS=_\M>QN_.7#+N)7:5\S9T'7 H_]66^M'MH[E+J!H)_:SI:6.7C H@]#4+:SI:6.7C M:E9BU=MJS&==C'T#9P37CNJ6^GWO]NV^FK&WAR?O#I<<0@_U+2%E$^S'&.5S MCC.:Z>]L?#VE?$[WM]5M.#(&D'^SHYHT2W68RDS.0?E#E2A]<9]Z .CT[Q M7+]A#(^8D@?(.>"28[8UEE52-MY]">?PJ:*:*(2O2))&>(PHQ/(XUYI)+X*O^$R-B'EB@^O_@N'M?*& M1%NZGS-^OO.<>U;GPIVGX8:)M#:,#$^-W7'F-UH V-"4:,K\&H36LJ+'97_E-MO(6D7^X+\'A3@X/<^M*SOI/4(C+97<%S&#@O#(' /ID5XJ4TF#1[ZV=+6.R MA\8O_;$2:1LM/,?R_-Y$>[;UXQGWKL+.DM\5D/ADVIM1I3_P!I&QV^3N\Q M?)W;?EWXWX[X]!U'Q+8:9X@TO1KAP+G4?,.9+] H09YR<\DX'KSZ57V^ M+:.'6[-))9(+.YDN)X(!9[A2[^7*T>0."<[<]*O//%R::%\2/!=S?K:HK?:XQ+ M.% +[$,.Y/?<3@>IXKC)-%TQ/@SX@U46.'H" _NIENO+'FJZ71"D-U& .WQZ MT >RW>HV%@8Q>WEM;F0XC$TJIN/MD\U:KQW5 Y^(?BC^U+KPW"#%!Y UW3-M MY/?E'>HV[']^X#O^%=W\/(WB\Z0C7;W:B(^7,\31EHJQV2*V2 %V@9Z@ T M ;K:E8K?^Q:]MA=L,B RKYA'^[G-$V16%M=1VL|;17,O^KA>55= H"?(\O/S8V[-NWOTYH]7NM2L+,+@L9953&V!JK'"F>54!/MD MUY C^#QI'Q"7538G4VU&\&V:;YY_YY"///WLXV_Q9JRJYYFL06^IPZ%;:M:. M':?;;WQ [2!MRDL(HB0.&#;FR,D@4 >LO>VD422R74*1NI9':0 ,_D@]QCF MF0ZE87$$<\-[:2PR/L21)596;T!!P3[5XQX7M+35M*'=G>11W-K_>`]O-'MA"$Y\E&PYP!@?*>G2MN2PXE[?_$#2M)ACMI(GLKRR2)0JQW*Q:U8_+EE&2K M0!ZF9HA,L)D02L"RH6&X@=2!ZF6^L:9=12RV^HV.=6"?[Q!X_&O(M+L]$TGX)6FH3:..W$]I{L, M\LC>4&W7& 9I1\WE#"Y'3 JQI=M:W.Q.73IY=!ECN]$N:>XBT:$I'M+1_*[M:B&:!)Z#(XYH]>>>&,1EY442,%3## ^:1H\:_P#8 M4C_])XJP!)X4C^*B\^(FT\2_9K7R_MVW;Y7E?/MWD75Y:V5N; MB[N88(1UDE<*H_$\5EZWXDATFQTZ[A1+R*]OH+16CE&T"5PN\$ YQG:._K7FM'AL6\=QX-/BH(ND?V=~=?V?\ , \5B7SAY6[=QN\C&WOZC8T;,B]C/[/ M/BS3?L?D_P"L,F4\[K\<;=_JQG,*/6K+4GF2_DO(H;6.UN'B5_M"N&10#O; M'W#R?E/(QU-!]>GW4.177D_Z8=1V-V*/& MTAU#?_]IGE+L\SML\S9G/'3-;6K:.X?UF#Q"GA&%/[5M$M[T3VF#;._(BSQJ-M-IV^80"#@=&&30!Z5YT0F$)D3S2NX)N&KXPIUR?62'MTXM[!XMDMK5Y3@16\2[I&)#(SY_P!P5WD,T=O!'"X>*10Z.IR&!&010 YE#*58 @|-M0:%4*H50 !T I:* $VKNW8&[&,XYQ2T44 %%%% !1110 4444 %(R]PPP!'H M12T4 %%%% !1110 4444 %%%% !1110 4444 %%%% !1 M110 4444 %%%% !1110 4444 %%%% !1110 4444 %!SV\%U"$;&!)NJ2* M&! _U)10!7EL+*>>*>:T@DFB_P!7(\8+)]*1Q5BBB@"!+&TCD,D=KCES(66 M,_[B,%L^N,}2"*-9'D$:AW #,!RV.F3WI]% %>UL+.R+FTM(+?S#E_*C";C[-MX'-2M%&[H[QJS(HK6PL{(N;2T M@M_.,7\},)N/O@S#70B9MQA6?=PG;[M(\'&:[95"*%484# [4M% $$5C:6Y!AM8(R"6!2,#!/4\>N!FGB"(&0B) 9/ M]9\H^?C'/KQ4E% $%K8VEBC)9VL%NC'>6&,("?7BI&BC:1)&C4NF=K$VA:W $31@!@=..E3T4)@!<8&. MF*KV>C-KC[/9V\."2/+B5>3U/[X%&:* (HI;WB*&,")"B[$*H!M7'T'H*9_M86=S<1SSVD$LT7^KD>,,.R?0D9%6** (+]RM+Y%2[M8;A%.X++&' /KS3I;6W MF\KS8(I/*8 'O0'81T(]#4M%#'BCD*&1%#'(@93^!XI$M+9(VC2WB5'4(RA M 5 P 1Z8X]:B@"I+I>GS6T=M+8VTD$?W(GA4]OT&,"K2]%4*H 4# ' %+10 M!6.G6+7+W)L[:*/&Q)(E8+CI@$<59 MHH @N;.UO(?)NK:&>(',R6,,N?H:66TMI[;[-;Q26^ /*= 5P.@P>*FHH A M6TMD@2!;>)88R"D80!5(Y&!VHN;.VO8A%=V\,\8.[9*@89]<&IJ* (1:VZXQ M!$*K^8,(.& O?7WI?LUN86A\B+RG)+)L&TY.3B5+10!R^K'-9N!5EN\1,\0) M;12]O[FZLAT*RTF1+T"TB%LYRS>I/N3D M_C6C10!"+,V$PTA@X\PQ*VP9D'HQ[.C26MG;V.7E6EM#;QYSLB0(,^N!4]% M $4]M!15BB@!@BC$IE"*\" I?') [9IHM;<1)$((A&C!D38, M*0<@@=CFI;* ,'12"UIH4]]/((KJ;YU":^CD>$!H3)CY5//3'7BM:>PL[J6. M6XM()K(CF-Y(PQ0^O/2K%%

$2VMNK*RP1!E8N"$&0QZGZGO535+*\N+&X72K MN+3[Z7;BZ;W$N,'NN1GC('/%;%% &;H&C6_A[0K32K9F>.W3!=_Q2,3EF/N6 M))^M79;,"=HVFACD;)M\9= 2C>HST-2T4 1?9;?[,;;R(O((*F+8 I!f8Z4R M"PLJ58UM[2^)8\[!'&%"YZXQTS5BB@!BQ1H[ND;JSG+L!@L>G/K47V"S%Y]L M^R0?:L8_P L;\?[V,U8HH 8D4<;,R1JK R4DR+M&'}ZY'>L_4 +N/[>RT&Y@T MB4GY94M5=4'?"9 S[_SK5HH S="T2ST70+71H$WVMO"(OW@!+ ^1;U).2?K6B M[JBA5 50, 8 %+10 4444 %%%% !1110 4444 %%%% !1110 4444 %%%% !1110 4444 %%%% !1110 4444 % M%%% !1110 4444 % M%%% !1110 4444 %%%% !1110 4444 %%%% M!1110 4444 %%%% !1110 4444 %%%% !1110 4444 % M%%% !1110 4444 % M%%% !1110 4444 %%%% !1110 4444 %%%% !1110 4444 %

(J))$0L<+N8#)]!67>:_!9>)+#1I8R&N[>:X$Q8!4$90$'Z[M_P!*XN*R\/ZOXS\7?\);'93RVYB6V6^*[8K0Q*=T>[[N6WY8)V6X@>ROQ;B^.1.HE3R=X;ALQ@$9ZD T
>W*RNH96#*1D$'(-8UAXDM M[R\URVFB:V?1Y@DQ=@0R&,.''L03^1K"^'ZP0ZAXHM=+*_V%!J(6R$9S&C&) M3*J=@H)&M)K2*Q61YH)2-X"H)!_WTK*1]:?
>^,I=.\.W6M7>C7$=O!:6]R M95)VT\4K9*JKT40OMGQ_VQ5*C\= "X M^(@' &F:;_Z,DH],T_7([_7M8TI861],,(>0GA_,3>,>F.E:'VF PO,LJ-& MF=S*P(&.M>/>,IKN&]\=?
9W$<,E[I4=V[,RJL#(_^XKR%QP2.Q-7-+T:&+Q= M':!/#,$%SIDPNM-TE7=+F+C:\B[=@P>-3R0Q'-_'<6GC32KVVT&>+S@NML1: MA@ 5PC/E^>.%]^2*Z*O#-"TSPXVB?#&>2RTLI)-
(MU(T<>&D^SN<.?[VX*>> M<@5[G0 4444 %%%% !1110 4444 %%%% !1110 4444 M%%%% !1110 4444 %%%% !1110 4444 %%%% !1110 4444 %%%% !1110
4 M444 %%%% !1110 4444 %%%% !1110 4444 %%%% !1110 4444 %%%% !11 M10 4444 %%%% !1110 4444 %%%% !1110 4444 %%%% !1110 4444 %%%% M !1110 4444 %%%%
!1110 4444 %%%% !1110 4444 %%%% !1110 4444 M%%%% !1110 4444 %13VT%TBI<0QS*CK(HD4, RG*L,]P0"#V(J6B@"CJ6BZ M5K*(FJ:;9WR1G*+=0+*%/J-
P.*F@T^SMI%D@M((G6(0]T<84B,'(08_A!)XZ M"08>.5 RL M/0@\&I:*,Z]\/Z+J7D?;M(L+K[. (?/MD?RQZ+DE7:* (;6TMK&UCMK.WBM[>,82*% BJ/0 <"B:SMKB M:&:>WAEE@8M"
[H&,9(P2I/0X]*FHH ADM+::YAN9;>)YX-WDRL@+1[AAMIZC M(X..M1S:987!G,]E;2FX55FWQ*WF!?NALCD#)QGI5JB@"#[%:;[A_LL.ZY $ M[>6,R@# #?WN..>U5]-
T32='$@TO2[*Q$AR_V:!8]Q]]H&:OT4 9A\.:&;5K M4Z-I_P!G:;SVB^RIL,G]_&,;O?K6G110 4444 %%%% !1110 4444 %%%% ! M1110 4444 %%%% !1110 4444 %%%% !1110 4444
%%%% !1110 4444 %% M%% !1110 4444 %%%% !1110 4444 %%%% !1110 4444 %%%% !1110 444 M4 %%%% !1110 4444 %%%% !1110 4444 %%%% !1110 4444 %%%% !1110 M
4444 %%%% !1110 4444 %%%% !1110 4444 %%%% !1110 4444 %%%% ! M1110 4444 %%%% !1110 4444 %%%% !1110 4444 %%%9^O:I_8GA[4M6,/ MG"RM9+CRMVW?
L4MC.#C..M &A17"R>-/$UMH?]MW/@^,Z>L N9#!JBO(L6W< M6"E!D@0P6ES&DD4D[B,$,,CKWP: +]%8FM>(X='FT8; M$FAU*[%OYWFA5C'EN^_.#D83VZ]:U+6\M;Z 3V=S#
<0DX$D+AUS]10!/16-; MZ_YOB^^\/RVWE/!:17<,N_/G(S,K<8XVLN.ISGM69X3\G6@#K**X_3O&MS?^'X]9;2%AMI-,FU !KM2^$/R+
MMQG#+\V[&!TYJYHWBP:OJ]G8"R,7VG1X=4W^9NV^8Q&S&.<8Z_I0!TE%58-2 ML+J:6*WO;::2'_6I'*K%/]X \?C7-?\ "Q]$_LMK\29C&I#3@OF)G=YOE[^O
M"=6SZ"@#KZ*165T5T8,K#((.012T %%%% !1110 4444 %%%% !1110 4444 M %%%% !1110 4444 %%%% !1110 4444 %%%% !1110 4444 %%%% !1110 M4444 %%%% !1110 4444
%%%% !1110 4444 %%%% !1110 4444 %%%% !1 M110 4444 %%%% !1110 4444 %%%% !1110 4444 %%%% !1110 4444 %%% M% !1110 4444 %%%% !1110 4444 %%%% !1110
4444 %%%% !1110 4444 M %%%% !1110 4444 %%%% !1110 4444 %%%% !1110 5SWCW_DGGB7_+!= MS_Z*:NAIKHDL;1R*KHPPRL,@CT(H \?
UKPSJ5EX#T[4_[:UO5=)CMHGU/2GN M%7S+8H-X0HJGY1SM).0",UJFX\.7'Q M;C4WL3HTFAQ'1FN=HM\;F\S9N^4/ MM\OWVUZ2S0Q*D3&-%;Y50D 'V J&;3M/EM5MI[.V>W0Y6)XE*
^P(Q0!XHXT M9O]L9[5W'AC^SV^).N/X?\ ML_\ 9'V&W%R;7'DF[W/TV\;O+VYQ[9KMF@M)8TB:*%T3A$*@@<8X'T)%)#%9 MZ?$D$$<%M&3\D: (,^P% ' ?$V\G\.7NG>(K-
&,\EMVTT$MJ&D'PYN4=9FV^4WUYE/XUZ[+#%,H66-) K!@&4'!'0 M_6FSK 55K@1E48,ID PK=B,]#0!YKXBLXM.\226-N-L-MX,O(8QZ*K1@?H*P
MKK^T/L,O]E^9]M_X0&W\OR_O_?.=N.O:'@ADU 'CNC06DFK^$?L&J>&0PD_6DUK.@>&9&CD4_ MQ*1@C\C0!P7ACP3I6O\ ARVUKQ/9PZMJVJP+4'&Y8XP?N*H(VX]: MR/&5@-
LO!WA2]2^U^W%[)<2QK$))IH(E8JI!/S >8@))Y"UO6OA/Q99:.OA MZV\2VJ:.B>3'@0-NV9 X#;??%+<^"=3L-8*"P+-E77DA5'Y^M %#2[7PMIK7>KVG@"ZTJ?3;66[2XN;)(A\J\JI#$
M[B">WK5CPQX)TK7O#MMK7B>TAU?5=4@6YFFN1O$0<;A'&#]Q5! ^7'K72:;8 MZ_*EU!XBN]+O+6:,QB.TM7BZ\'<6=LC'TK#L_"_BW2M.71-,\26::5&OEP7$ M]D7NX(NR
[PC$#@,1^% $_PWN)FT?5+"2XDN(-,U6XL;665MS-"A&T%CUQDK MG_9KDOB3K$%[XGTV"&QAU2RL7>TO1>JPLK:YF"K$TC8()7)R,<;NH)KTW0=#
ML_#FC6^EV*OY$(/S.VYW8G+,Q[L223]:Y+4/ VLR#7-.T_4]/71=;G>>X2[M M&EEA9P_ED,%.<9&X<&@#I_"]C'I7ARRTI+\7SV$2VTLVX$EU !!Y./H>0,5 MYUK-UX:U'XIZT?
$FFRZA!I]I;VENBZ?+=*'.Z1S\BD_.HYKN_!7AEO"/AX: M2URER$GDD681[7<,Q(,AR=S^IX[5-X;T!]#?5Y9KA9YM1U&6\9@N-JM@*GOA M5-H _TN]NO":ZIJ.BZ!-
::=JNI6=GI6EW*F$LYR)9 A_P!6&<9Q]W)%:][MXZU.PU@Z#>W_(9L=2BB^T7-Q=7#) BL?DC16*L[X!).0 ,>N*ZS5M$?5-V-S&LC4_"NJKXCOM7T.^T^)M1BCCN4OK4S;&C!
M"R)AAS@XVGC@4-9LOQ&F/@JVUF**R21]0.GW%R7:2T@*LP,VY>6C.T8/'WQD M]Z75-=O[OPQ]DU?3]-O4U+4+>PMY;:8M;7D4I&7&&W+@;\@GJO4BM6;PUK-G M;:6-
)UOS)+2)X;B+4$,D5X'P2SA2,,"."\''2J.D?#Y].FTMY+V QVVI3ZG M-;P0&.+S9(RBK&N3M5'-8\0Z396(T.Q\V*(RNPGN A* M-(F/E50P. V15#3O%(\.6FG^$+._T/3Y]+TZ
WEQJ]SL4RNF[8B;@6/\ M1.<#(ZUHR?#[66T!_#*ZW:KH(NO-11;-Y[Q&7S#$[;L8Y(R!D\9[@Z_X3U> M/7M4U#1-0L($U41FX%Y:&9H75 F^/# F:S_!!XL\1KX6\6V;?88]2T^6&S2YM?
M,56,ZJ!L!.1(ID7G..]=79^%&M=?TJ_>^>XBTW3I+2-9AF1I'92TI;IDA,8Q MWK*O?_E]+IUVMQJ-N+R?7AK&Z:%FC8*1LB8!@<_*O(/:@#K-%M;FQT6RM+MH MFG@A6-FBSM.T8&,\]
.M7J1=VT;B"V.2!@9I: "BBB@ HHHH **** "BBB@ MHHHHH **** "BBB@ HHHH **** "BBB@ HHHH **** "BBB@ HHHH **** "B MBB@ HHHH **** "BBB@ HHHH **** "BBB@ HHHH
**** "BBB@ HHHH *** M* "BBB@ HHHH **** "BBB@ HHHH **** "BBB@ HHHH **** "BBB@ HHHH M **** "BBB@ HHHH **** "BBB@ HHHH **** "BBB@ HHHH **** "BBB@
MHHHH **** "BBB@ HHHH **** "BBB@ HHHH *K:C?VVE:;2".VMHFEE M<]E49/\ *K-8'C?2)]>\$:SI=K_Q\7-JZQ#.-S8R!^)&/QH Q!XH\8RZ5_;T
M'ABT.F&/SEM&O&^VO%C.X*$V!L<[,Y[9S733>(](L]+M=1U"_@T^WN45HS>N M(#R,X(8C!YY':N7@^*/AR'PXDKW(758X@ATC:1<^>!CRA'C=G=QG&.]47U*V
ML_B#;ZKXPAM]-6YT6);4W4@,,$N]C-$'(W\IZ9 H [Z75M.@TW^TI;^U2PV MAOM+3*(L'H=V<8J&#Q#HEU;/)+JXB#1'RHXFBVQ2[<<1^;O(.,#<#57Q'=Z/J*_$>YT41FU
METRR+2Q+M25_,<%E/<=!D=2#0![-8Z[I&IW4UK8:I975Q!_K8H)U=D[<@'(Y MI(_$&C2ZJVEQZM8OJ"Y#6JW"&48Z_+G-%(](MH+68V6H0Q^4@ M08$2% <=@>:_P!+2.7PEH^D2>
(K&'4X[J'_(ET&D[M0ANED!8DF4'.02SD M %<^N* /=#JVFBVN;DZA:>1:N4N)?.7;"PZASG"D9&0:DNKZVLM/FOYYE2UA MB:9YV4B0N&^5BRG;SZ'B@# C\4>+[W2AKUCX9LVTM
MH_.BM9KQEO)HL9#!0A0$CD*3^-=(WB328-&M=5O[R+3K:Y173[%K<7ET(-4MH%AETIE(N1,J@>6L>,G)& 0,52EU.*#QYI6M M>+[:#3(;C1 MN+IPT5MF<$4
=\^M:5%8Q7TFI6:6DW^KG:= M1&_!/#9P> 3QV!]*JR>+/#D-LES+K^EI ZJRR-=QA2&) (.>A*M^1]*\J2SM M-0:Q,5LK:!>>,UEL8V3$0VYE4\;"X8CL>?6N@N+SPSH7Q1:.+?
3;GPSJ6L1?9_# O-2>R M-RFV*V$D@-NS@*"N_:3TSVS3-?6RU2Q\97.F*CZ!=WNEQJ\0Q#/,)E$S)C@ M\% 2.I% 'J[>*?#R:<-1;7-
-6R+F,7!ND\LL.J[LXS[52UOQQHNC:/9ZH+VU MN;:[N8[>*2.Y38=SA6;=G!"@DGZ5S7BRZL=&\7:396\6A:/MLYI8M2U*(^2F M64-'&@9%WD
$DG.!7(6LUN/!>KW,\T4MM;>,()Y)_L_DH(BT!,@3^%""3]#0 M![9ZPMQ>:EYDUB+.U$;QS1W*L=C)N+./X!Z>HYJ33]?T?5HII=.U6QO(X?] M:]O<*XC_-X@\?
C7E6O^7>7WBVXA7[3I(U'2+B\6$;Q):"-&?@=5Q@G'85J: MG>Z1K/C"UN?#$MM<1V^D7BZC<66#&(V1?*1F7C.X$A>HP: ._M_$>AWE^MC;
M:SI\]VZ!U@CN49V4C((4')&.?I6G7D<&G65I\/?AK/;VL,4QO].A[@$=*KZ#X;.D7=_?W=_+J&HW^P3W$B*@VH M"$147A0,GU))/-;M% !CG--\N,2&38N\C&['./K3]*
$P,8P,4M%% ##%&91 M*8T,@& VT9'XTKQI(A61%=3U##(IU% "8'' XZ5DQZ! OB>[UMI"[W-K%;&% ME!4"-F8'Z_/^E:]% ",JNI5E#*>",@T!550H4!1T ' I:* &O&D@ D16 .0
M&&<&E*J000"#U!'6EHH 0 #H /I2)&D:E415!.2%&*=10 F!@# XI:** "BB MB@ HHHH **** "BBB@ HHHH **** "BBB@ HHHH **** "BBB@ HHHH **** M "BBB@ HHHH
**** "BBB@ HHHH **** "BBB@ HHHH **** "BBB@ HHHH M**** "BBB@ HHHH **** "BBB@ HHHH **** "BBB@ HHHH **** "BBB@ H MHHH **** "BBB@ HHHH ****
"BBB@ HHHH **** "BBB@ HHHH **** "BB MB@ HHHH **** "BBB@ HHHH **** "BBB@ HHHH **** "BBB@ HHHH **** M "BBB@ HHHH **** "BBB@ HHHH ****
"BBB@ HHHH **** "BBB@ HHHH M**** "BBB@ HHHH **** "BBB@ HHHH **** "BBB@ H MHHH **** "BBB@ HHHH **** "BBB@ HHHH ****
"BBB@ HHHH **** "BB MB@ HHHH **** "BBB@ HHHH **** "BBB@ HHHH **** "BBB@ HHHH **** M "BBB@ HHHH **** "BBB@ HHHH **** "BBB@ HHHH ****
"BBB@ HHHH M**** "BBB@ HHHH **** "BBB@ HHHH **** "BBB@ HHHH **** "BBB@ H MHHH **** "BBB@ HHHH **** "BBB@ HHHH **** "BBB@ HHHH **** "BB
MB@ HHHH **** "BBB@ HHHH **** "BBB@ HHHH **** "BBB@ HHHH **** M "BBB@ HHHH **** "BBB@ HHHH **** "BBB@ HHHH **** "BBB@ HHHH M**** "BBB@
HHHH **** "BBB@ HHHH **** "BBB@ HHHH **** "BBB@ H MHHH **** "BBB@ HHHH **** "BBB@ HHHH **** "BBB@ HHHH **** "BB MB@ HHHH **** "BBB@
HHHH **** "BBB@ HHHH **** "BBB@ HHHH **** M "BBB@ HHHH **** "BBB@ HHHH **** "BBB@ HHHH **** "BBB@ HHHH M**** "BBB@ HHHH **** "BBB@
HHHH **** "BBB@ HHHH **** "BBB@ H MHHH **** "BBB@ HHHH **** "BBB@ HHHH **** "BBB@ HHHH **** "BB MB@ HHHH **** "BBB@ HHHH **** "BBB@
HHHH **** "BBB@ HHHH **** M "BBB@ HHHH **** "BBB@ HHHH **** "BBB@ HHHH **** "BBB@ HHHH M**** "BBB@ HHHH **** "BBB@ K(\4ZI-H?
A/5M5MDC>>SM)9XUD!*EE4D MX(../6M>N=\>Q23_^\110QM)(^G3JJ(,EB4. .M 'G4OQ(\?:3X4L/%VJ M:7X?
GT.X\MG2U>5)U5SQ]XD9_.NTTSQE3@L&P1W)],DU@>)I]7UKPOJMK)87EG>QZCYKZ-8 M:,(X8QN \UY0N6)Z9!Y/;% 'O>M>/?"WAV_%CJVM6UM=$!C$V6*@]"V =OXX
MJUJWBWP_H>EP:EJ6K6L%G< &"4ON$H(R"N,EN.>*\@\=Q_8?&6MWVGW6M:3= M7MO&2#IWVRTU/"8" $#C .X'J>!WCUNV\10W'@7Q'J=K-I45O920W!LM.$P
MLI#NVL8<$+N4KVX(/< 4 >WZ3J^G:[I\=_I=Y%=VLF=LL39&1U'L?8UAKXFE M@\9:Q87MYIB:986*W1"E_M$8P"S/_#MQGISTK$^$FG&UTO5[Y?[1$5_?O.OV
MVU2WWGO(D:GA6X[#I6%K=A>/\0?B%*MI.TY]A0!W=I\ M0_"-]J=MIMKK]G+=W(4PQJQ^;<,@9QC)].M-\0^/O#OA^:?3[G6+.+55A9X[M>1C]];;E0V.!GC@D9S7F-
WHDT/PV^&BP:9(MS#JUM),$@.] 2Q8MQD/=6U?1_ M!E[*^CV[ZU+,ES%() S!'V@0C)Y]=QKI-0^('A/2M8_LF^UZS@OLA6B9ON$] MF/13]2*\GT/3+]-
^$:O8W*FWN[HS@Q,/*!DX+<XAB%J72^1BNT^9@X()]L^N: /6==\=>&/#5U':ZQK-O:W$BAUC M;+-M/0D#@?6L3Q1\5-$\.:CH-L+BWGAU0B5[D2?)#!VDX!W9((''T-
<3XKO- M2;Q1K&F/IL^D)+ID<5JNFZ4MQ+?DQC,33;3A5/R]A@=JRA!)IOA/X7:I>Z9= M26^GW$ZW@6U9W0%^ RXSV.!0![+JWCSPMH5_%8ZGKEI;74@#"-V.0#T+8^Z#
M[XK=DN88K1[H!Y"H9"XY&T#.>.O%?/>M6E[IGB?QG%J#ZI##K1#VRVVDK=? M;8F!VQAV'R,N0,9&,>H%>W>$-/;3/!VDV$OVC,-JB;;D 2*,<*P!(R!QP3TH M
5_%WA^/P]'K[:K;C2I#M2ZR=K'=MP.,YR"/PJ#6_'ACPY=1VNKZS;6EQ(MRQ.26 /0D $@?7%>.Z=H=X?B-#\\.&B)T33=5?6@>WD;08T^FYL'W8UMO

MOB!XQN/$N@WNH1:OL:QN(K0SK+&%(,.?X3RHQ_L\]J /5)?$>C0MIJOJ,'_$ MS;;9%6W"<\'Y2.#U%,F\4:);W.I6TVHQ)-ID0FO$.A(.!]:K_#G2X=,\ :$B6:6T[6$)F'E
M['+%.V M.HQ0!ZIJ?B_P]HVDV^JW^KVL-C<@&";?N$H(S\N,D\>E0P>.O"]U:7MW;ZU: MRV]C&DMS(C$B-7^Z3QWKQ^PM+W2+'X;>
(KS2+Z]TW3;>>&Z@BMR\EO(Q8*Y3 MKUQS_LCVJKE]5'Q:>STJYM&N(+5X[-H<2C.3DH.A/WL=>: /9XOB!X3GL[Z[MCUVT:VL"HN9=Q"H6SM&<?7%
M>:>"K9]7\7^%I!/K,DVD6S!PVD1VL5H"FTQ._!;T&,_J:Q6T"Y_X9^OXAI4_MVV36?,*?9SYA&\#.,9QB@#W31?&7ASQ%>W%GI&KVUY<6XS(D;<@9QD>HSW&1
MS4.G^//"NK:RVD6&N6<]\"0(D?[Q'4*>C?@37!^(]!NYOBM+!I-HT"S>$YK6 M*6./;&LA+JHW#@$?+^E<=X8TZYO1X4T*X;7$OM-OEF:T32(XULV5B2[3'!*G MJ>23Z$XH
]HU#XB^$-*FFAOM>M(9H9C!)&Q)97'48 SQZ]*RO$_Q3T7PYKNA M:>T\$D.I+YTMUYGR0PX^5^ =VXY ^AKE-.T5W3XNRS:<[2W!G6!GA.9!LD(V M9'/..G?%8]Q
^DZ;*=6O]+NI+:QBF2\"6K2,F54*K+C/K@'WH]@\9^*K7P M9X8NM9ND$GEX6*'=M\UST7.#CO\ E56Q\?\ A^3P=9>([[5+6VM9T4.Q8X$$N M/F11U)!R.!VJ'XH64VI?
#/7(+:W:XF-ONCC5-S$@@\#KG&:\XN95DB^'OB;^ MQKV[T+286M[VW6T):&;RU7S#'CD;AG=_L^XH]CT/Q%H_B6R-WHVHVI07L"MM9 MHCRI]"#R#]:YO7_B5IF@^/-
+\,W#1K]I4M<7#N1Y.5/EKC')8X_.L7X>P2ZE M\1/$WBBQTZXT_0[V***%9X3";B10,R!/3AN>^[US4?CG9IGQ?\(ZS=6$\U@(M)X9)(;D METUS-<3W0@+0G=(-
KE=O'/)R,=Z9H>GWR^)?A7(]E";&U M1SG<,'DG/<^W_$*&2?X=^(8H8WDE>PE54122QVG@ =: *UMX^TFR\&Z)K7B/ M4+2PEU&UCFV,CKDXKS6ZL-5T?4/!.N7$E]8V$?
AV&T-U#IXNC;3 $E6C(.W((&<9[M=C3-2T">W^#ZW4%CJDL;:^M^8[FS6.1(R,,RQIG:A('''TQ@T >D-\6-"?QW
MIWAVWGAD@O+=)1>;SCS),>7&%QU8%3GW%;LGCSPK#KW]AR:[9KJ6_P OR2_1 M_P"Z6Z!NV,YK@+Z\M$^,_AK7ETRZ&EW^D+;P.+-OEE,K;=PQ\I *]>@Q7!V^
MBZA!HE[X1U9M:^WS:D6-G:Z2DAG.X$3K.V...NX<>Q-'OFJ^.O#&B7\ECJ6 MLV]O=QE%:%LE@7&5X YR*Z&O+=%T/S?CGX@NKZR,\::9;I%//#E6;;'D@D8S
MQV]Z[G0O$MKK]UJUO;VUW!)IEVUI-]H0+O8?Q+@G*D8()QP: *!\230^.;_2 M[F[TQ-.M=-^V,@+_&E"",LW\.S!/3G.*+;XC>#[O4+6PM_$%E)=76/)C#'Y MB>@SC)[
\UQNL6-V_Q7\5SK:SM#)X4DC201DJSY7Y0>Y]JYRYT.>+X+>!HX M=,E6\CUB&655@/F+EI=S-QD=N3[4 >N:WXZ\,>&[U++5]:MK6Y< B)B2P!Z$ M@ X'UQ6=?
^,;B+XB^'-!LQ:3:;JMI+<-.,LQVJ64HP.,' [&N&N+N+PAXY\; M/XA\/WFIIK*HU@T5J9DN$"D>3N .WJH_#Z9T(K.Y;XF^ +E-!DTNWCTRXWVJ M+N2URCX0L #R...:
/0!XP\/MH$VNC5(#I<+^7)<\[5;<%QTSU('XTS6?&O MAOP\;5=6UBVM&NE#0JY.64_Q8'0>YXKPB2>\L_@]X@\&/HVJMK"WY=D6T8(7A 4@Y4DESG@]*[/5O'GA;0
MKJYM=3UJVMKBVV"6)R=R[AE> ,G(YXKPZ+2=0'PEU.!='N[:1O%GFI:F$[D3 M:G8#H.F1QQ7HFE:3YWQM\:75S8%X7L((XI9(LJV8T#!21@],&@#M;GQ=X?M/
M#\>O3ZM:H(;G[-I&K6]Y-Y/G[(B20F M=N3Z<\8ZUX=IFCZI:_#GP+J<^CWEW::1JLTU[9+"6DV&3:?3(?*N,'\ZZOP7J$ M.J_'G6[^WTRL(I]&5E2YA\J23YXQO*]LX[\D
'O0!ZE)K>FPZW#HLEW&FHS MQ&:*W.=SH,@*&RWF!:+Y(]=C^50#Q1H9_M,_VG;JNEMMO69MJP'GAB>,\5QGQ=AETFVT;
MQM9Q]]G0;M6E4'!>"0A'7/X@>V37(77A#5Y_@?;W<=I+>:C?ZDFM:C;QC+W$ M;$G:!U/!0X]C0!ZWH/C3PWXGFEAT75[>[EB&7C0D,!ZX(!(]^E.'C'P\?#\F MO#58/[*C?
RWNN=H;<%QTSU(%>=6,T7C#XK>'=7\.Z/>6%CI5M*M\]M?@OK'@Q&U4ZQ%?;Y$6T:K;MV,$'&!CDYSTYH M]VU;QWX7T*X:#4]9MK:98EUEV/G.UOND #G-;-
YJ%H^GR7]Y<1P6D2;WFE; M:JKZDFO,[#11=_'-[B]TXRVT?AZ,(\T.Y!)N4$9(QG!/ZUTWQ.N;ZU\ :E+I M^DPZI-A ;>:#SEV[AEBG\6.OMC/:@"_H'C?PUXHN);?1M8M[N>)=
[QKE6"YQ MG# 9'3D>M4V^)O@I9KB(^(['?;G$@#$\YQP<\G%8&NW8MO@W8^&KGPQJ%I%II6G7B_:; MB:UV1(Q=OF#G[Q;(&!![]@* /?=3\=>&-
&U"2PU#6;>WNXV1&A;)8%QE> .XI M+KQYX5LM=&BW.NV<>H[@AA9^C'HI/0'V)S7)Z/HRW'QX\4WUWI_F1"QMQ!++ M#E,[4SM)&,\=J\T?2+^TL=>\+ZN=9^UWFJ-
(+2TTE)OM8+ B59V''3/48_$T M >]Z]XT\.>&)X8-9U>WLYIAE(W)+$=,X .![GBGZAXP\.Z5%9RWVL6D$5[&T MMM(TGRRHH#$JW0\$?G7CWB&QU+PY\0M5O-0NM1AM+
[3(88+J+3$O?.VQJKQ' M((5BP)]#GFIK'PU-::A*[5['4)+:WDO)76]@ >$,0ZAP,A>>1D^G0\4 >D' MXH^"!9Q79\267DRN8UY.[<,9RN,@M>+_]X>L[>[U75K:V@N1F!
MBV[S1C.5 R2.1R..17E"Z$_V3XO/_9;^9.[?9SY!S(,.?DXYYP>.^*SKRQU7 M2-1\$:Y<27UE81^'8;0W4.GBZ-M,%)(:,@[<@@9QGMV- 'M,OB[P_#H]KJ\F
MK6HT^[D6*"YWY1W.<#/8\'KTQ5*W^(GA2]M=1GLM;M;A=/B,MP$8Y51W''(S M@9&1R*\@O?#LY^%MA'%9:I+%>^)X[HPW=HL;!&5@S"-,[4..^.O3&,]IJ.D2 M-\
<9'@L"+:7PV\1=8L1L^\@*3C&<-<>PH Z;X?>.;7QWH'H1]*D-RCLLUJKE MC"-S!,G R2H!JI9?$K2[WXDW?A%6C1H$$VI,7),TX^]&!CC: V>>U97P-G2/P
M%'I4EG<6U_82.MT)K: .Y_X6%X1_MO^Q_[?LOM^_P ORM_&_IMW?=SGC&ON M>$ /^$4U >*_M.WFS.W=YN[SO-Z8 MV?+G/3VVYKW+6T+6-6+JTD@
.&N/B^9O!N@Z[IZ6* MO>:K'8WT4S,RVRMN)^;*_%"G/3GI7=Z'XQ\.^)9;B/1M6MKQ[?F58R#])F?6Q>:5!;B2QTF'4G\V,/'-;"X6-,\R>6?O$U %F#XD^$[W2M0O['6;>YCL(3-
,JY5@O0<$ X)P,].17)R?''2T\#6>MB M*$ZAT"VNM3^(^IW6_4M2@O/#LL,5Y>:=] MF6:3<,*JA0 !CC//!]JR&C:Z^ VFVD6D7GVW2-2C:]4VC!@#)(21QEA@KGTH M
]JU'XA>$])M;.YOM+?#]IH$>NSZO:H< MN/+N=^5<\#N3P>!SP2?O+_$>O37GBZ VUG=:7IEUI0^RWEIHHHFNKOSL'CC@MIXY7CA($8\E0 Q XY)Z^IH [=_'G MA6/7O[#?
7;,:EO\ +\DO_'_=W=-V>,9SFI-9\:>&_#VH0V&K:S:VEU, 4CD; MG!X!/]T>YP*^?[71=0BT.Y\(:JVMB_DU(LUG:Z2DAE.X$3K<-CCCKN''MFNZ
M>3_A$_BKXCN==T>^U*'6+2%+&:&T,_F[4"O%QT)(Z=.!GK0!VOPU\5WOC+PB MNKW\5O%.;B2+;;J0N%.!U)/ZUS:>+_'VM^,?$>C^';;P[]GT>=(RU\)@[!@<
MOW1CJ!6OX?B_MCQ/?:U%=:O="VT66![B M;2H[.'!4XB.,$L#@\ ].N!0!Z/_;_!(\'7=[:V<'B&R>XNL>2@<_,2< 9Q@$ M]@<$U-KGCWPMX;OUL=7UVM;I@&\ILLP!Z$X!Q^-
>"V$\6L_!;2_">G>'[V3 M7;FZ\R"=;4[&_?$F7S>F H*'GC![NF\8W6JS>(?%6E36US9/)9+%;?V?I E MDU7]V1F28J<*#],#(SD4 >QP^)-&N-3M]-AU&"2[N;
<74$:G/F1'HZGH1]*J M3^-O#5M]H,VL6T:V]T+*9F) 28YPA.,9^4_3%>2ZC%=>'?AMX%\;6]NXO-!5 M8;F)P49H9,HRG//7 '^\:BU/PK=V_P '?
#:36LMU?:EKD.HWP6,L290Y)8#T M4J#0!ZB/BAX(-K<7(\26/E0.$<[CG)SC QENAY&:TKCQ?X>M?#\6O3ZO:II<
MO^KN=_RN>>!W)X/'7@^E<5;Z*C?'O5KE].S:_P!A*J2&'Y-VY\(!QC.W(^E> M;V>BZU;?#_P-J+07T%MIFH7376RS\Z2WW.-DGE,.0,'MW]Z />X/&?ARZ\/S M:]!J]M)I<)Q+
<*3B,Y PPZ@\C@CO45AX\|+:IJS:78ZY:3WJ]6\I&SD 9.#T M) SD#G@UY!-I<]*[X \?ZG:#5[LZBUN%>XT];<7+)(,O'&O/0\G:/SSCI-3T=
MH/%/PI:UT]DCMX94G:.$@1CRH\!B!QR6Z^IH Z?P/\2--\;:GJUG:F.-[.9E M@4.6::%<#S>@P"3P*[:O*OA65TWQ7XQTBXL)[>[?5+BZB=KU/X@Z;X3\-
ZG;Z=')8'4)KYK<3EDW$*]J>, M<#_;D]&HKP^Z^(GBZQ\'>-+JXO+4ZCHVI16D,D4 V ;PK8!SG/ODBK_B3Q M9XO*V6CV.HZU:_VAKMRSB[BT\R+8P*J%E6-03(V7X)SP/Q
![#17B9^*VN: M1X3\127(&HW-C+#'8:C)8O;)<"7(RT; 8*X/ Z\?4WO#GCC7QKLVF76I-K5M M+I\LZ7O]DR6?V>=%+;"&4!EP.#]* /7J*\&3QUX_3P;X;\5'5M/E34[[[+%
MK(!6)9U#LX..?$?A36/%NFZY>P:P=+TU+ZWE6V$&6;: A"G M[N7'J>*/7:**7)_$#Q'KV@)>D:D=7M=6&+J!-)DMQ8,P!7;(5 =W-+&CH MC.JNY(12<%B!GCUXI]
(WLVMZU\8O!M_!J45L;S25NHT^SAQ$A3,BU0P?$KQ*OA.PUV]>)IFMG3-:\N(;98_ME_>+_=QG"4F@#VJD==Z,N2,C&0<$5Q7A7O'J7B/QQXF"3(=!TR1+.W4(,O.

M!F0[NO!&,?[0K#^)?B[Q!X?\0V<$-U34X-.%W^^W$;&#$!0 ?7G M\@#H-%\,>'_5W<:E=:O<37VIR) U[JUV⎅^&-6('ITZG'M795XUKGBRXO M_'A+47O-
(UB>;7H+>6X2UW1]'Y"2+E) , 9K6\M5U#7;JX@N));<%/ED*J=HQT'.!C.*LMXF\16T M7Q#\/:Y>6FJR:1IWVB"X:S1%_6@#URUNK>]M8KJUFCGMY5
M#QRQL&5U/0@CJ*EKQNV\4>)9)/A_HFBW-E8C6-*,DI-HI2(K'NRJ#&, '"C MSCM4?_"R?$6@^%?&8U*:WU#4]#O4M+>Y\D1K)YA(#,J\<8)Q^'O0!Z+XI\%Z M?
XKDLI[BYOK*\LF+6]W8S^5*F<9&<$$<#M5?1M!\/_#ZVN[N?4Y/-OYE-S?Z MI= R3/R%!8X'HV^L/(9FCLUB92J E.."H)&& M&"><|]L?'5S>*O$_@SQK:Z;XBU&VU>RO[
M&XND,%J(&@>)&>?;GF]%^*'B:X?2=7DOQ?17UV([G1X=)E5;:$ ML1O6?;AB, XR>OUH]NMM3L+VZNK6UO+>:XM&"W$4<@9HB>@8#IG!ZU:KPZ/ MQ0_@[5?
BMK<,*S3PW=JL2-]TNVY03[#.?PK;&O>-/"FN>&D\0ZM9ZI9Z],+9 MHX;58FM)6QMVD??)ZGTH]6HKP;5OBKXIT_P\MA&\4OB2SU.ZBO2(5PUO N M]FV] "&'/^R:[_P?
XKO?%GC'7GMIT;P]91PQ6X"#+S,H9SNZ\=,>XH [JBO- M_'_B/5K#7[?3M.\36VF VQE%O;Z<|]>3/GC]V%(5/?(YS^'-Q_$GQ3?>!?!N MH6LMI'J>JZK]@F9XU26011M-(
M$#N>BC/4G!XKS&W\:>(_#6O^+-*UV^@U@:7I7]I6\RVP@).!\A"]LM[GBN4\ M4S>+=0\(>$-:US5[2[M-2U:UN%MHK41FV+!B@#_,-I.M 'T'17-^/ M]8O-
\":OJNGNL=W;0[XF90P!W =#UZUYYJGC/QCX>\':9J>H:K:2W?B&6W6 MUV665L$=2SL54$R-@KQSSG /2@#V>FQRQS1K)$ZNC#*LIR"/8UX==>*O$6K>
M%_&.BR:HUY%;Z8UU!JS:6]J94 _>Q%& ;!P"/<\]K.@:[X@\.^&/AO9_P!H MQ30:M=1Q,HMU4I;E4VQYYR1S\W4YH]JHKS#5O&FM6GBCQ[8PW$8@T?1Q=V: MF)24D\H-
DGOR>AK#O/%GCK3/A4_C*[UBT>2ZBMC;6T=HH$6YP&))ZEA@^@). M* /:ZJZ?J=AJUN;C3KRWNX0Y0R02!U##J,CN*\]L-=\6:3\3M(T+6]3M+^TU
M>SDG"0VHB^S.H+;5.26'&,D\Y[5R-AXUUO3/AI8WVD1Z?;7=SXE-D4CM4CB9 M"#P54#DD#+#F@#WJBO*[;Q9XD\->-=:T;7]0@U>WMM$DU:)XK80%=AY0 $\<
M'KD]*Y^]\8>/['X?V'C%];L'BU*X119K9*/LR,QQM?/S<#!!'&>O% 'NE8\, MN@Z'\ZW=K;G5+LLKR7&3U>.74&KP_#GX:YO8)[B36+=['?#M6%2!L1L'+8;))X) M!H
^AYIHK:"2>>18XHU+N[G 50,DD]ABH[.]M=1LX[NRN(KFVE&8Y8G#*P]0 M1P:\NA\0^(['7/&'AG6]0M=6%IHKWT$YLUB'W>49!D%?F[YZ>]8DGC+Q%IG@ M+P?
<6:G3=+NK>1KV^T_3F#!CM41<*JGU_+IR >YU534["74I=-CO+=KZ)! M));"0&1%/1BO4#D MF>M<5J>N?\(U\6O&NLB(2M9Z!'(L9Z,V4P#[9Q0!
[)3%EC9G59$+1G#@'E>, M\^G%>+^%_B#XEN-9T);C4_[5@U?Y;F!-(D@&GLPRA60J!(H)P3D]/QKFM,M/ M$7_"#?$J4ZY%Y45[_P!+NX8[?4'L6A6ZB=\!O+
<<'@YXXR/K0!Z?XJ\(Z=XNLH(+ MZ2Z@DMI1-!<6DOERQ/ZJ>?Y57\,^!]/\,W]YJ*7FH:AJ-VJI->:A/YLI4=%! MP !_@*L>%;?Q!#ITDGB+4H+VYG<21K!
(U@0J/D'=L'/)]J\P\;>/?$6D7^M M7&F^)]-QI\P5--L],:X0)D ^?.5PC>H!Z\4 >C>*_UAXRDMEU.^U);2$@O9 M07&R&?!R/,7'./8BNE1%CC5$4*B@!5 P !VKQWQGX]\1Z?
JE@QNY]#T6XT^. MX2^ATT7:/,PR5!CW' M;J-6\2>(M?\ 'E45XS) M\4]?LO"FI6EQ#:2^(]36%T9;@*1"[-NQ(1V^XW'T^E;5EKOBOPSX]TOPYXCU M2VUB#5X)7@N(K40/#
(BEB"!P5XZ]>>V* /298DGA>*50\;J593T(/!%((M:LM5E>*?R]*:WAB8#CR96 ,F,]?\:KW'Q'\ M36?B6X@UG7(]!E2]*16-]I1-K)"&P#YZY;)'? 'OB@#W:BLOQ!?2V'A;5;^U M=1-
!9331-@,-RH2#[\@5Y(/&OCG3/!FA^.+_ %2QN=/N9HXKC34M I*$E=XD MSG<<9P, 9[XH]OHKRZ37/&/B[Q9XBL/#>JV>D6>A.L(\ZU$S7,I!R&)^ZN5
M(R/;KVQ+SXG>)=2\#^']9LX);&&XEFBU6]M+(71MRF I5&.-K$ MXRX&3QQ]<&E\$^-[G6I-8M+CQ-;ZJ([%Y5MKK3OLMS&X'(*C*,OKR3_4](B M\1Z)-
'921:O8NE^Q2T99U(G8'!"<_,0>.*O7-S!9VLMS221@JHH& M223T %?/)O-0U3PY*KBR6QM+Z;4+D1;+=4AC;S<9\M<#WP,9/UKIM2U_P 0 M6\?
CKP=X@OH=3:#09KVWO8[<0DH4P591QU88^A]> #U^UNK>^M8KJTGCGMY5 M#QRQL&5U/0@CJ*FKP:W\<:CINC^#/#.GZD-(CDT6.[N+\6#7C@&
M_#]GX6\/VNBZ>TK6ML&$9F8,WS,6.2 .['M6K110!R_BGP+IWC"ZM7U2]U'[M) 06L(KC;;S$'(+KCD^X(KIP JA5 ' [4M% !1110 4444 %%%% !1110 M4444 %%%% !1110
4444 %%%% !1110 4444 %%%% !1110 4444 %%%% !1 M110 4444 %9'B?04\3^';O1I;N>UBNE"2208W[<@D#((YQ@^Q-:]% '-77@3 M0+KPH_A\V,*6QM1;"58U\Q0%P^\,
Y]:X#Q=X4ET6Y\-"VT_Q+>+IUH;8 M:QHTR_:T09Q&T>W#+@C!R.IZ]_9** /&?!_PUDUCP?XFL-8AU#2[36-1$\"3
ML&N1&C!E+YS\Q/7//6O0O%'@RR\3VM@)+JYL[S3I!+9WELP$D38 /4$$' R/ M:NDHH XI/AKIT_AW5-)U?4=1U1M3<27%SPR?
+O=@SMAN,8_>'IZ"K]SX"TJ^\1:QJ]V\TW]JV(L;BW8@)LXY&!D'CKFN MIHH XC0/ARFB:C8W$GB+6;ZWTY#'96D\P$<2D8P=H&[QC/ P*D@^'&G0>%M M>T!;RZ-OK-
U)EU"YN98KO49)K2.XG\TQ18' QPJD[B% M'08SSFNDHH XC6/AO!J7BB\|1VNN:IINIW$*0^9:.H"J 1@CD' Z]P"*R/$ M?ANT\)?"ZZ\+Z3H>J:R=061"T*"1S.PR)93V ('('\
(KTZB@#D_AMX7?PCX& ML--N% O"#/=NIKJC3%E+S3 $9;C&#GL!T%<5XP MT6XA\9:[-%X<\5)'?Q!2VB3A[;4#MP/.7 ,?7!Y.>?7)]PHH \U\)?#AH_"? M@M-
8DFM]0T*22Y$,94@O(Y?:W7ID#CWK[N5DU^S6TG4;<1 MJ$"97CK@=\UUU% '(V?P^T^RU/PU?I=W+2:!:-:0*VW$BLA3+<=<'MBLO7_
M=K:Z#XOFMK&XUF;6Y$N);$S+$=RG/[MMIP1DL,@Y([UZ%10!X/X7\-:IJ'C MKPM>KIWBF.'2ED:[N-?880;,)'%TR <|XRXA\0LC7,3D 1E,[2A R""<|YY
JGHWPPM-.UBPU#4-;U76#I@*Z M?#>RADM^,9 &2 !S[#T&.[HH XYOAMHDGC+5/$LAF:XU*T:UFA./+ 90K,.
M,Y(7'7N:O>"O!MAX&T'^R=/DEEC:5IGEFQN=C@652D.#G&-O/IGL.F*]+HH R_$FA0>)O#M[MHUS+)%#=Q^6[QXW 9!XSQVK+UGP+INM^%=/T*XFN8QIPB-
I=PL%FB>-=JN#C M&<>W]*ZBB@#C[#P!##8ZS!J>M:IJLVK0&WN)KF4#:A7;A% VJ<=\=JS#*+9 M_#&GZ1)K^J--IET+FPO379I=6U*ZN- M;L39W<]PZLQ!&-PXX..@Z
<5=U/X?Z?J?P^M_!\MW(R>#M5U/3[/0+3P_XMM)$OU=;>_G$FGV2;B69' &XX/IW.,D_ M2E% %74]/AU;2;S3;G=Y%W \$FTX.UE*G'O@UQ5G\++6WTG1M/GUO4;J+1]0
M2^M3)L^7;C$?3[O'UY-=_10!RUUX&L;OQ'J^M/=7 GU/33ITJ#;M1#CYEXSG MCOQ6?_PK2"WTK1K73==U73[G28VB@N89%RZL22'0C:W4]J[FB@#GO"7A"R\(
MVEW';SW%U60]3P /857N/ >EWGB/5]8NWFF_M6Q%C<6[$!/ M+XY&!D'CUKJ:* .(T'X;QZ)J-A._B+6;ZVTY2EE:3S 1Q*1C!V@;\#&,\#%- M@^&-C!/XD4:KJ!L-
>$QGLMR[(Y)""SKQ]X8XSV]:[FB@#S]?A7;#1M*M?[?U M07^DN6L-15E$L*%0OEXQ@IA1P?ZD5-NZHH :BA$51T48KSN\^$-A=C6+9-=U:WTS59VN9[&)T">:3
MG=DKDC(!Q[#.<5Z-10!Q-[\/#+/;7.G>)-6TVYBLTLY6A=629%)1@0&X'(MQ6[X6\,V'A'0+?1]-\PP0Y.^5LN[$Y+$^M;-% ' :I\+(-2DU"$>(]9@TK49
MO.NM/6171FR"=K,I*C@<"K>L_#>PO[VQU#2]0OM$U"RMA9QW%BX!:$'9?M4R7$_VJ:\>7-PT_P#STW8^]^&.OJ:DT'X= MV^E:X-;U#6-2UK4HX3!;S7T@/D(>NT
=3DY/N:[.B@#A/^%6:7_PKG_A"OMU MY]B\WS?/^7S,[]_ICK[5UNK:3:ZUHEWI-X&-M=0M#)M.&VD8R#ZU>HH \]T_ MX4P6EWH=S<>(M6O&T20&R28ILCC QLP%[@
9Z\"DO?A-:WRW%E+XBUDZ)RM(2SOI\T4,2#)),9"J/T% M><^#?A2+CPQX?_MV_P!76"U(N7T69P(5F!/)&,@=]N>Y]:]>HH X;6OAG:ZC MK=[JNG:WJFC3Z@@2^6QD 6X
&,D$<-CN/ZG,L_PVTZ/2-(LM&U#4-'?2MWV: M>UEY);[V]2"'R23R.Y[<5VE% '"VWPNTR+1-4LI=2U.2\U.=;BYU%9A',9%S MM(V@
9/&#U/MB;2_AU#::O<:QJ6LW^K:E):-9)/<[%\J(YS@*!SR>37:44 M>>R?"/29-!T#2?[2U&./1))9;>:)U20L[;LD@<$'D8]*M6'PRL;:VUXWFJW^
MH:AK5LUK<7URRF18BNW:H P.WY"NXHH X6X^&%D;;16T_5M0T[4=(M1:07T! M7>\7]UP1@CDG\:N1> X[?PW;:1!KVLQM%=B[DO!='SIFYRK'^X<_='%==10 M 4444
%%%% !1110 4444 %%%% !1110 4444 %%%% !1110 4444 %%%% ! M1110 4444 %%%% !1110 4444 %%%% !1110 4444 %%%% !1110 4444 %% M%% !1110 4444 %%%%
!1110 4444 %%%% !1110 4444 %%%% !1110 444 M4 %%%% !1110 4444 %%%% !1110 4444 %%%% !1110 4444 %%%% !1110 M 4444 %%%% !1110 4444 %%%% !1110
4444 %%%% !1110 4444 %%%% ! M1110 4444 %%%% !1110 4444 %%%% !1110 4444 %%%% !1110 4444 %% M%% !1110 4444 %%%% !1110 4444 %%%% !1110 4444
%%%% !1110 444 M4 %%%% !1110 4444 %%%% !1110 4444 %%%% !1110 4444 %%%% !1110 M 4444 %%%% !1110 4444 %%%% !1110 4444 %%%% !1110 4444 %%%%
! M1110 4444 %%%% !1110 4444 %%%% !1110 4444 %%%% !1110 4444 %% M%% !1110 4444 %%%% !1110 4444 %%%% !1110 4444 %%%% !1110 444 M4 %%%%
!1110 4444 %%%% !1110 4444 %%%% !1110 4444 %%%% !1110 M 4444 %%%% !1110 4444 %%%% !1110 4444 %%%% !1110 4444 %%%% ! M1110 4444 %%%% !1110
4444 %%%% !1110 4444 %%%% !1110 4444 %% M%% !1110 4UW6-&=V"JH))/0"G5@^,DO)_"E[9V$.V9R8R50< *5&3R3GK5W5O$ MJ7?AK3[S0+M7?
5+J&VM9@F<;G^<[6'5460X(ZK6)XNTN&'6K!TT[7K5(++R(M-4T)V>1,-_J9(@#E.A!((SGI3O#-OXAU"_| #Y\06\RMI]O)+_4O'6COX;L/#NKV45ZZ)=7FH0K"D,(8,Q W$LQ
M P !WZT =-JOC+2=(OWLI/M=Q<11B6=+.TDG\A#T9]@.T'!Z\TV^\<:#8KIY M-S)<-J,+3626D#S-<*-N=H4')^8"'ID]C7&:AI-WH_C+7[NX3Q.;;4&BGM9- M$RZMMC"&-P
2K KP3Q@]:N^'/#EWIFM>#\Z7/;06FFWHE627S_L[R/&P5I M"?O=NQ'.,T =&/'OAX:'_;$EW)%:K=?8Y!+ ZO%-_<=,;@?P[U$?&NFZAINL MK;7%UIUY86;W#B\L9$>)-I(E$;
%UX/],<5R]WH6IR3ZAC3YV63QE:WB_NS MAH56+=)_NC:>?:M#Q;I.H7?B+7YK>SFECF*36L;HA(>8NQ"#U;GI[T ;,WC M?2M/A@BGDO+Z<6D=S.]G8R2".-AD2.%!V
X)P>>*Z*SO+?4+*"\M)5FMIXUD MBD7HRD9!'X5Y=J&FS6MQ:S-I_B73KT:9;1QW^BYE$[*F#'-%@]"IZ;A@@]17 MH7A5RHX,A1 =BD MY_D,XKF_!'@'1G\.^9KOAFQ?
4'O+EG>[M%,A4S.5))&<;<8]L57U[2;O3_'V MI:M,/$7V#4+6!8I=$RQ1XPP*2* 3@Y!!ZZ6XMWCD@=BH =",
MC[R\],&N5T+P[>6FJ>#KC^RKVWC2YU"YG6YF$SP^:AVF1@ %+'G'8DC-,\1Z M%J=W<>,O*T^>5+O4=*DAQ&2)43R=Y'J!M.?I0!Z%HVL6VN:>+VUCN8XBQ4+<
MV[POQWVL <>]:%%%% !1110 4444 %%%% !1110 4444 %%%% !1110 4444 M%%%% !1110 4444 %%%% !1110 4444 %%%% !1110 4444 %%%% !1110 4 M444 %%%%
!1110 4444 %%%% !1110 4444 %%%% !1110 4444 %%%% !11 M10 4444 %%%% !1110 4444 %%%% !1110 4444 %%%% !1110 4444 %%%% M !1110 4444 %%%% !1110
4444 %%%% !1110 4444 %%%% !1110 4444 M%%%% !1110 4444 %%%% !1110 4444 %%%% !1110 4444 %%%% !1110 4 M444 %%%% !1110 4444 %%%% !1110 4444
%%%% !1110 4444 %%%% !11 M10 4444 %%%% !1110 4444 %%%% !1110 4444 %%%% !1110 4444 %%%% M !1110 4444 %%%% !1110 4444 %%%% !1110 4444 %%%%
!1110 4444 M%%%% !1110 4444 %%%% !1110 4444 %%%% !1110 4444 %%%% !1110 4 M444 %%%% !1110 4444 %%%% !1110 4444 %%%% !1110 4444 %%%% !11
M10 4444 %%%% !5/4KNYLK7S;73I]0DW >3 \:-CUR[*/UJY6+XOO[G2_!>N M:A9R>5=6UA--#)M#;75"0<'(/([T 5O^$AUO_H2]5_\ JT_^/4?\)#K?_0E MZK_X%6G_,>KG9+?
QI8^%5\06WBQ]0FCM!=O8W=C"LG&STJ2"UOKVZU*T6]BL[.'S)%B(!W-R HR<9)Y/3- $O_D.M_\ 0EZK M_P"!5I_\>H_X2'6_^A+U7_X]44_C_0X-
)LM1+73QWET;..)+=C*LX# M$QLG4-E2,>N.QS35^(&D#3=6O+J"^LFTH(UW;7,&R5%?[K8R00>>0>QH G_X M2'6_^A+U7_P*M/\ X]1_PD.M_P#0EZK_ .!5I_\ 'J-+\::?
J>L1Z9]DU&SG MGB::V-Y;&);A%QDH3Z9!P<'!Z5FZ5XWM4T#1K4T M;5[77=+BU"S,GDR%AMEC*.C*2K*RGD$$$5Y['K&HZCXD\107/C]=$BLM0-O;
MVQBM?]7L1LYD7<>6/Y4 ==_PD.M_]"7JO_@5:?\ QZC_(2'6_\ H2]5_P# MJT_^/4Q_$,'A[3M,M+J]N]>U"[5F@-K C2W*CYB^$P@4 J,\#IW-8_B'QY%'
MH>G:GILUQ;JFM06=_!);9F12?GC*$$[B,8V\G(P>: -O_A(=;_Z$O5?_*M M/_CU'_"0ZW_T)>J_^!5I_P#'JB@\=Z8\&JO[M]DAAP3O49 M(8?*1UZ]
<5H>'_$5OXCMY+FTM+^&W4CRY;JW,2SJ1D/'G[R^] %3_A(=;_Z$ MO5?_*M/_CU'_"0ZW_T)>J_^!5I_P#'JZ.B@#G/^$AUO_H2]5_\"K3_./4 M?\)#K?\ T)>J_P#@5:?_
!ZNCHH YS_A(=;_Z$O5?_*M/_CU'_"0ZW_T)>J_^!5I_P#'JZ.B@#G/^$AUO_H2]5_\"K3_./4 M?\)#K?\ T)>J_P#@5:?_'J.B@#G/\ A(=;_P"!5:?_'JZ.B@#G/^$AUO_H2]5_\"K3_./4 M?\)#K?\ T)>J_P#@5:?_'J M>J_P#@5:?_
_0EZK_X%6G_,>KG9+?' M2'6_^A+U7_P*M/\ X]1_PD.M_P#0EZK_ .!5I_\ 'J-+\::? QZNCHH YS_A(=;_Z$O5?_*M/_CU'_"0ZW_T)>J_^!5I_P#'J
M_CU'_"0ZW_T)>J_^!5I_P#'JZ.B@#G/^$AUO_H2]5_\"K3_./4 M?\)#K?\ T)>J_P#@5:?_'JZ.B@#G/^$AUO_H2]5_\"K3_./4 %%%% M!1110 4444 %%%%
!1110 4444 %%%% !1110 4444 %%%% !1110 4444 % M%%% !1110 4444 %%%% !1110 4444 %%%% !1110 4444 %%%% !1110 44 M44 %%%% !1110 4444 %%%% !1110
4444 %%%% !1110 4444 %%%% !111 M0 4444 %%%% !1110 4444 %%%% !1110 4444 %%%% !1110 4444 %%%% M!1110 4444 %%%%
!6)XRL[C4?!&NV5I$9;FXL)XHHQU9F0@#\S6W10!YQ)J M?B?4/"2^']/\(ZA:WDEF+1KN^DA2&'*;&?Y79FQR0 .:I:CX-ET+7M/N8[;6
MKW3(M(ATXG2+MH9HWB)P6577_BA\/S)I$]K_ ,5" M^H7$<]V;B5(S"Z!Y&8GYC\N0"<$_6G>,?#FKZC/XU-K8O*M_IUE#;8(_>NCN M6 Y[CKZUZ;10!S&LZ;=W/CSPO
PP,]K:1W@GD!&$WH@7/U(- M%K?5?#NIO)9V3QM=:3<^7>6DI;.W 8;D(^N".E>OT4 N*R_#WA*V?6_%%UK.BVLWVG5#+;27,"2%HO+09! M(.!D-7;T4 >>>+_#QE@T>Y-
O-"-RLC*%9=R\8*@^AQ MQ6=!X7OWM;6[AT:]MVE\16EVZWEX;BX,$?'F2EF.#C^$$X %>J44 >?>+]!U M34-
:\1S6EF\L=UX6DLH6!'SS%Y"$'/7!'YUVNDPO;:-8P2)L>.WC1E]"% (J MY10 4444 %%%% !1110 4444 %%%% !1110 4444 %%% M% !1110 4444 %%%%
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@IEOX(TFU\5:EK\1F$NI6XM[NU)4P2* !DKMSG M QU[GCFNDHH \VD^"VA[9;:VUKQ!::5*Q9],@OL6YSU&T@G'XUNM\.]!$GAP MVZW%M%X?=WLX8I!M)8@@G?
N!)Y&>HZFNLHH YO4O!.F:CXNT_Q.);JUU.R78' MMG51,G]V0%3D8)'&#SUZ8YU/@[ID%Q=2V7B7Q18BZG>XDCM-06)"[').G^< M5Z-
10!PNI_"W3=7TW1K2ZUO7S+I#2M;W@O%^T$R,&)9RI)Q@ 8Q@5/I'PZ@T MFZEF/B7Q+?+)"\+0WU_YL>&&"=NWJ.QKLZ* .$'PE\.BU\-V[27KKX?E:2U+ M2)F3=
()")/EY&1VQ5B[^&6BWFE^(=/DN+\0Z]=B[NBLB;D<,&PGR\#([YKLZ M* .!LOA5;6-Q;RQ^+O%S+ ZLL3ZGE"%/"D;.G&,>E;^F>$-,TO4->O$,TYUN M0/=Q3E63@$84
#@ACG.:WZ* .:\&^!]*\#6-U9Z2]RT-S.9V%PX;:< 8& ., M =!VJS7/>/ M/^2>>)/^P7<_^BFH I0?$WPI,*M?SP+,0(Y;JRGAC8GI\[H%&?3Q^.
<8]\5Q=MJNNWDOA[0IH==DB@\/6UW/'I4\<,TD MK_+EW=U.T!>BGJ>: /8Z*\E.H>)I]*T33[J^O]/ED\1M8^>98FN'M?)=@)"A M9=XZ?
50<4W7K_5O#5EXWT^TUG4)DL["UN[26YF,DL+NS*P#GD@[1P>G- 'KE M5=-U&VU?3H+^S=GMYUW(S(R$C..C $?B*XU+:_\ #GCWP_:#6]2OH=4ANA=1
MWDN]2\:JP=!@!.2>!QCM7,V-]XCU3PIX5O&FU74;5[*62]ATV]6&\9]X"R') M!=0,C (Y(SF@#V*N6O/B'X4(V <;D0CH1WJ;P/ MJ*:CX9C9=0N[UX99()'O8?*G1E8_)
(O]Y1@$]\9KDM!'BD^*O&7]@OHRV_\ M:WS_ &Y92V[R8^FP@8QB@#T73-2MM7TZ*_M/-\B7.WS86B;@D'*L 1R#U%-U M'5;/25MFO9?
+%S<1VL7REMTCG"C@<9/<\5POBO5=612JX5Y&4J@))X.[D>]8&IOKMWHUOIM])?6HB\36*6-Q=R0R74:.0?GV,
MP+*2<%NHQF@#V:BO+M6FU'PS>>*M,M=9U&X@7PU+J,+W5KJ7Q MEDBD7JK!20: ,V'X9^&XS")X[^\AA*F.WO-0FFB&.GR,VTX]",5K:SX6T[6[MJ"[F-
S;WMNI2*ZL[AX)50]5W*1E3Z'-8>M7U_HO@6QM+34;FYUC4Y(K2UN;C M:T@DE.2W"@81=QZ?PC-6/"OB0CPI>R:]= 7>AR36VHS,,9\KD28']Y-K<>O% M
&A;>#M$L[73[>"U94L;HWL1,K%FF(8%W8G+D[CG.?TIVI>$M(U9]3:\@=SJ M4$=O-KN^\1^%+:#3M5TR"_NV)-W$BK8) IQ\V[&UNGBE1&.6
M4L#E@3S@YI9O&ELOBF;P_!FIW5S;M$+F6&)3% L@!5V8L,#GTSP>.*K0?$/ M3YO)N?[.U)-'GF$$6K/$HMW8MM4_>WA2W 8J!R.: .@T?1K'0M/%EI\12+22:-
/T>RTNYO[BUC99+^?[1<$L3N?:%R,].%%85SX\M8 M+N\6+2=5NK*RN/LUU?6\2-'%)QD;=V]L;ADJIQ4FI>-[>PU&_M(-(U34!IP4 MWLUG&C+!N7)_$ M.D27PNK?1]-
TT/;RVUT8GDN9, D%&W *@QVSN-9FJ?#N^BO]9T_29+F33->T MQHKF>ZNC*T-U'_JV8N2Q5E.WC.,5Z-INF66CV$=CI[LEO:QYV1)T&3D_J:MT M ?2_P#"3:
[KGA9KGPU)80Z;=F6]EDN8F&[R70>6%8EERW4@'D<=<8UYHOBF MU^'=WX'M/#[W3HS)#?BXB6&2$R[P<%@P?!QC&,\YQ7K5% '*Z?H=V/%?BZYN
M(C'::G';1P2A@2P6(JW .1@GOBN%T_P->0Z38Z!<^%+;YA>.*:^EU>3["T2 ML/W@C68-D@<)M !]A7LE% 'E/B'PYK$^K:I/IGA^\L]:FF)L]7TN_6&!UXVM
M<(7Y(_B&P[L<5-XG\/:EW*^';R34GA1;+6-&OA:L6"8Q.&D'1N^UOEP* M]0HH X*2*]@\<^!8M2F6:_32[Q;F51@/(AW?4YKO:S1X?TE==;6Q8Q?VFR M[#&=&T+Q!?7F?'9
M8)=-NWO-2OOM4;F6.X;]]F,?-_$I'IL%:WBBSGN]>UW5%A_MRPBCCPUCJK6] MUI0$08E%/R'/WPXH];HKFM1UF7_ (5GD M45XXUM!8_#+2O&=GJ%U+XCF-
K,;DW3L;F6210\)3.TKRR[0.-OM5N30[?6E\ M?WU]/>O-8WDPL]MU(@MV6W1PR!2 #DC\OK0!ZQ522^\O4[>R^RW+>=&\GGK' MF)-
N/E9NQ.>!WP:\LN+;4O$!T>]:"+Q#_P 2.U>?3/[2:UF@D<$F=XU"<)X>U)XEO6#2R2Q&-1YF.&8,I&>_XT >EZOK5MHJ MV1N5E87EY%9Q^6
ZM+ZYABU!];>V.GK&2$Q&%P Q_O9 MYZT >VT5YAI>FGQ+X[W:WY=(6G)D)D&TC(X..V#TKEMZJ4F?]_MPD*9&WJH4[?EYQ0![['/X@LXI]4MH4N+J][
MTR!)Y[>WB+.0X8JJC@,QV'C/I6G$_FQ))M9-RAMKC!&>Q'K7D6O:?;VNL_$Z M^@$D=U%H\,D7"D9;=\N[MMH
]*HKQG3&N/$$_A'3KW4;RXL3?:I;>^#ZFNQ\$0#3/$/BO1;>27^S[*Z@-M%)(S^4)(59E4L2<9R<>] &S+ MXGA7Q4OA^"PO;FX6));B:)%\JW5MP7>2P/.T] :W*\?\0VXT;Q-
X^UG3(Y%U M&TTF">"02.=CN)@[XS@X'.",#'%:MYI=CX7O/"5[H-YR1JIXBR1G/3)*GC/:N0^& M>CV\EC+K\\MU/J$EW>0!Y;AV5(A<. @3.W'RYZ9Y-5-8TNS/Q0UN[,;>>/#?
MG!O,;&XM*A.,X^Z ,=._7F@#T#2=2AUG1[+4[976"\@2>,2 !@KJ&&0,\X-7 M*\=TO1K?0_"OP]UJRFNUU"ZN+&&>5KEV$D4J?-&5)V[0, #'&!5%DU?6[+Q)
MK,UFOVRVO;J./4I-;>W.GB-B$ C"X4* "<_>SSUH]PHKE]FRZ3H?A.TL!'="O-7O%E:VM(_,D$0!8C/8$CU]:T:\0UZ#4--\,> M-=.DAM[&Q_LR.9=-74C=M!
(7P6&0"BL.WJN>]=9%I=IXK\;>)X-=EGD336@B MM+=;EXEAC:(.90%(^8L6^;MMQ0!Z'17CWAZZN/%4OA72=\J06Q'\V._4YJ_J:Z3:I:>&M/O-
6U@OJDRIIL=WY:@I&':%YFP?+ M0,&QDG) YQ@ 'HVK:I::)I5UJ=_(8[6VC,DKA2V /8X2V=D8G#''7) M7H*W?%-W=^&]0UQ=%EFB6T\+1/" [/Y1-PX9QDGD DY]J /6Z*\WO-
*L?"NL M>$[C0+JX:;4+U;:X#73RB\A:-F:1@Q()&%;<.F?0US,.FK#*H_%@N[XZW!> M[HKDW4AV*+SR]@7.W;MR",'=$N=6O%E:WMP"XB +') X!([G MUK1KCOBJ ?
AEK89]B^6F7_N_O%YK&O[.+PEXJT$^'I;B62_M[K[3"]R\PN52 M$NDK;B?FWA1N'7?B@#TJBO"]+767\,:/XEBAAAU&>6&5]8GUQCY[,X#1M%MV MX.2@0?=X]*W)-
#M]9C\?WU]/>O-8WDPL]MU(@MF6W1PR!6 !R1^7UH]8K(\ M1>(;?PY817,]OBUDU%K19)9.'E.T'>1@#';.>]0SZ:VH:+H$&KR)<&W\4BSA$5^\YB@() M\H!@LRD;)--
FCU77K_[/)K& MG6@51-8ZJT%WI(2)20J,=I(^_P!7[=#(A+LX+$$@? M-N'2@#LM'\3P:WJVH65I87HAL97@>]D11"\J$!D7YMQ()Z[<<'FMRN"^&&DV M6GP>
()+:)D;^V;N')E9OD20[1R3^?4]Z997S1/\ $8S7+*+: M2QG^SSC:1M?:K8YZ\,*NUXM[29MT%O)Y&]@2>#\ MQ^;J,]>*ZD:=:^%?
B%X=LM$>:*#4H;D7MJUP\JLJ(&27#$X;=A=W?=0!O>*_M%L'A>WB'V.XOKV=)7@M8, LL:[G9F) 50,9/N, U%8^.M,N- OM5O8KC3O[/ M81W=O<)F2-R 5
VY#;MR[<9SD5D_$BUTR]CAB?4I[#6X[*\EL7B7(EC$8\V, MY!4@C;QUXR.E7)AE9T)(RA*Y&<=* M/2-*\86>I:A+I\]E?Z9=I!]I$6H1",O$#@NI!(P"1D$@C/(JOIOCW3-2O;.%
M;34;>WOV*V-Y<6^R&Z(!.$.\U==2\/WTP6 MZ"-+;R*H"LK(JX5BV,8ZCBIM4F@NO!'@!;-U9I=0TTP!#SA0&;'T4-F@#O=8 MU>ST+2I]2OY#';0 %B%+$DG Y))(
'J:SM)\6V>J7EQ936E[IEY!"+AH-0 MB$;&+.-X()!4'@\|=\5E_$=T&BZ9.SK]FMM:L9+HYX1!,N2WL"16/X_CFO/% M/V>PRUTGAK4C($ZX<(L?YL#CZ4 =%IOCW3-
2O+.%;34;>WOV*V-Y<6^R&Z(! M.$.W?C(9LYXR,D @9YQ7 M/:K-!=>"/
"V;JS2ZAH@"'G"@,V/HH;/I5:SF@MOA#XTBNV4313ZI'+/#6F:W+O5G:7K5MJ\^I0VZRJVGW9M)MX !<*K9 M7!Y&"IWKSK2K'3=5\+WWBK7=6O++5(K^?

S+U+APUEY;,"K|S*-M\/7_+Z-1>`]2TW_(5KHUQ%-%%;6MA''.68*(71) WH00S7-L+B19%4 MA2,@*2X'?(-9%YKD&DQ:% M=^!-3L[B\^VZC,L-
]++W=SN!}'#*",#CM0!ZE17@\!UO5/"M]XED-MMHX=36XF;^\)M;.;+[(R2E0ABV[508"E#U!|ZV/&VH76F^(_(L!3N++>UU.UA. MOM "ZZ?&75!,AS\A8%E..PW8XS0!Z^2 "20
,I-<;_Q'L6AEO+/1=;OM*B+,_MJ2MK4-#A?O,N6#.HP>54CCO6OK]@[^!=4T_2@?,;398;4*Q)R8R%P>_;FJ?@ M[5=*/PXTF\CGACL;>PC65BP"Q;$ <-
Z$$$&@#H;*|MM2L8+VSF6:VG0212(>`M&4C(-3UY}DBV+5*=E=[ZUL1FW6:3S HW*I&0JG<%ZZ?-FL6 | M/V?:AVVU&_LNW\4V=G;S+
<,9(XY$!DB$F7|U)IH)UC4;9 M)#<,&N8X0##&T@.6&2XZ\^6*_/8Z*\9\3&71+7QGH>CWMS'86\%A/$!,SFSF MDFPRJQ)
(!4!MN>_O6WKFBZ7INH:5X,TZQU349)%FO&T_^T62*?[BF2;1VW'! MQA1D9).*._^U75;/1; WM](8X Z1Y"EB6=@BC]68"G07WGZC=V?V6YC^S!# MYTD>(Y=P)^1N^,
<^F17B<|OIK\$^(;"]3;%I_B.UC@MTO7G6W#/"&02'!(&Y MN"_3CIFMKQ#>W6DWWB^ULKR>TM8_P"R+7SEE,;;%R4=E)/\I_Q=>['KM%>_MG6OA3Q0H5IHN:
/8[JY@LK2:ZN95B@A1I))& M/"J!DD_A6 /&NF]+99HYX)KB&"989=BNJS2;(\@MP<@D^F.>2 :?Q.9O^$+D MA)Q#<7EK!.?2)YT#?@07 N+G3K2>S$'T;P2F&XM[B/9+!
(.JNO8\CVKG?A^Z6^J^+]/G8+I*ZW/<.C'YFAD"FO] MW;@#Z5G^*_$%A?12V6DRO;1R:Y:Z?]U_;@1[E8?,!*.M,NM)TO2/^$%OM.U*Z M-S?ZC\YSF\=_MJF-
F9W!8@G...>V['>@#UFBO${G2T?X=^)O$K7=\=6L=0O7I_M[@74@^SA+AL*J@XQUSQSGZ8T]234O$7C_7;2?21J=O80VZVt#ZJ]F(5>/LUBZ_XE@\/>1Y]E?7(G29E-
K&K8\N.R%2EAR0IQZD=]\XN M|0U>S\#>&]7MM0%)XHBG0MK_*"8S]$>Y@46T2\B\P M^2,G!Q@GE25!';<,N:DO!.MM.U-&&Y%5NYX&%/K7/^+B8
M/%O@N>'_ %YU"6# [Q/ Y?\ #Y5/X"]OCW3XM5\3>#+!*=YDBEOI[_DR&-BHM MW)7'FU.QN(Y+W,$6K6&]&XM]2=HRPJ/APR 6! X/?%=7X^GAD;1M*;
M*_NY[VY8QV%I<"!;D(A9A+(2,(!S@'D@<&@#LJ*\/-_J6BV?CBPM]VE0P/IP M,,%\UQ]A29BLK*[;3MY..!UKIY-(TWP|\2?"]KI%S/%'3D\|]>U`!I-
%>%VMK/IQFT'5|6>]EU+69K>TOKF2_D0F%G/RAB2(QP M/;@.C-:KMK?A6ZU=M/LK?2U&B7%P-.75&NV:5/N3*C"<.<@]QOV %`69]K~N: MQ;> `]#O-6O%D:WM(C+(((@"Q
] 2.?QKRO2+35+%_"^J6|M!927=S L]_-KKS MG4$)-3N[@:UYMTDCFY<>25E9%@V9VA=_MH4;2.=V>N* /;D8.BL.C#(1:C@_X]XO]P?RJ2@ HHHH *****"BBB@ HHHH
M**** "BBB@ HHHH ****"BBB@ HHHH ****"BBB@ JKJ.FV>K6;6E_;I<6 ML;K-&XRI*D,,CV(|_"K58?C/4+W2O!>LW^G+NN[>SDDC.X#80I^;D$';|[`? M&* -
;ZM8+ZTFM+(J)9K>=#'+&XR'4C!!_"L2Z\"^&+UXGN-&M&BB2$=1NC48 M56P?F '&&S639>,.2 ^PZ-I76C27NN7-8 H6W$2]D<0PHD>0C^(] 3U!*W0#
MGB&/O\:7+&UELNTG:VN[64@M%(#C(X8$$$$=0: -=8T2(1(BK&J[0@& !Z M8]*QM-\'^`M'U#[=I^DVUO^W%5=;\4W.G>(K30K#1Y=0O M;]V>X0B98T158 !V(.!SU
/.!CFH8/&DES!$LT&AWLN]0WOV",3T()BFX.6? M[HCVD'?TP1WXH_O0>"_#=MJHU.'1[5+L2&57"!*YZL%~Z&|P,UH)I-A``?(E MK&%OW9[H ?ZUBH4D_P#
0!^%VBN5E$1))96 M`(VMD$#[!UN/XDMVUO2=,M8S2Z\U&^6>0%0N'/J&+*!]?:.@!E]X,\.Z ME';I=Z3 XM(1!"1E2D8Z)D$$KI'BKT&B:9;36DL%C!$]G"T%OY:,1%&V,JH'.M
!VC\JJ^*?$,?A;0)=6FMI;E(YIHS%%C<=\BIQGJ?FSBL(>-]9.LR:(?",XU M;[.+N^'[,'Y;0Y*EFDZ*0P V@'KZQU*P=4N;9I:(M &&5APRD9YX//!%
&G'IUG%]$M_';HMU+&L3R@)M0\3W-[KNOQ;;ZW<6T*VNIRQ M)&BA" %!QON/;@##M+[PMH>17TE[>;;!-@W88@G@87-;R^-I,5]0MM8T=[&^M;"34(XEN%E2>)/O;7
&&!P"'' X M/- &^FBZ9$|@T5C!&=/5EM B;1"&&TA0.!D<5-!]I:W=U=P0(EQ=LK3R#K(:M57:I/T KE-^A=W-S=:,U[X>N++3M98)9W3SHY+E"ZAT*A@#O@Y/N!52;XDW
M$=A?ZJOAJZ?2-.NJ;:[NOM" KLD*,R)U<#@GIUQS@T =]NFV2WMS>"VC^T74 M:Q3N1DR(N=H/L-S?G6;I?@[HM]]MT[2+:WN `]NJY\L']$SPH/HN*Q-1\7
M66@:MXGN14O9C9Q6.8VN!Y1,I94V X$?/WF)I#YK,T/6]0U&YFM]1T26P9(U-MECF283P2J21\L@_^88Y!'<&@#3L=/M-,MOLUE D$.]I-B=-5.68_B23^-5;[MP]I&I:E!]-
Y80RWL$;11S$?,8%>F>E5/"TWA-]6:XTOG=Y+:.PO-)'>7MR\03&^S++)IQN_K M0!V9T73396-F;.+[-8-&]K'CB(QC"$?2]%]X+\-ZG]+:.A>Z/:S7+E2[LO$A'-M0NO1L>X-
8]M\0)(++4]G0KBVT*^E2."^;=*P#G$;0$.55B1SDXR,@5CZ?XO MUG2Y0O&$PT>]U6STI59GEF.Z51#*(T.R-6R6/ 9MHP.1W- 1'%S:P?EG-;7$2
MR6\T;121MT92,$'VP:K7NB:9[.DC2[RQAGL5556&1M<[=^.)F MUVTTK1M#GU.6YL(M1#B=(E6%V9F07$R)Y8D8$,4_ND@C*^QX]KXA\43: M-K&E:3:.3+]%YJ:S&%4E6-
4\O8278]!A^O/3HE &[]'AO1M4T^"PO--MY+6WQY$87;Y.!@;",% M>..,56E\&^')M+M]-;2+86ENYDA1 5*.>K!AR"<\G.3WJ/5?%<6E:O=Z>]]\ MC6^DRZH7#
!E1MNSZGUK$'Q$NQI5E?3>`);==3ECCTP3WD:B?>C/N<_\I.FO P M0Y)R.#,< '1YWA+I_:6UW;Y^D6L<-Y$(;E%3B9!GAO7[SLVIZ9%@.016A=>)
(K3Q')H[6LTC)IKZ@7B&\[JN%V*HY+'/&* #20[_AI1+S[7 MINDVIO<;2]NH)**>H7/W1[# JS_8&D_V- 9'V&'^^S]VI[/CY<[]^2^^N?K6!
M!XUOX]1TF#5O#DVG6VJR>5;2M#5*?XDW$=CJ&])X: MNI-)TV[EMKRZ^T("OEN59D3]X P3TZXYP: .UO\ 3[35+6ROH$N+:4 /$XR
M&P<_B]5#2?"NA:%=2W.F:9;VT\B[&=!R%SG;_=/88%8EAKFL7'Q2U+2WM MR=+BL0}$/FKA-P=5N+1 V&R2.5H_:65'C?=M96&.ZD$$4 7-&\,:+ MX?:5M*TZ&V>4
,ZY+,!T&22<#L.E16'A#P]H>IG4;'2;.."[.!$B+!S=I[..B MY[X S5#QG=W-K>^%5MIB6(3.W%%*(W*^8ABE)5L=1D#@^E4IOB$ZVUWJT&AS MS^!25XY=06= Q"-
M>1(NK(I!YR#P<"@#>M/#5A -92:&*>'5K@SW$+QC8^*?$*>*:%_M$-G:>=9VFE13VQ%P@5"1(1(1SNQT/\ =]ZLZ-XTU$>&_#5L^ER7VNZC8K.(
MOM*J&C5%W32/C"@EAQ@G)Q0!T>G^$/#VEZF=1L=)MH+LI,2(W-WWMHZ+GO-K*&%WX0\/7VKC5;K2;.6]#*QE9?O,W6PL%+%::1-<3Z1N:N:I?
C2]+N;XVUQ=>0 MA<06T9>20^BJ.I-<_:>+![U/$%II&M:$VFR7L,DMLZ723AO+ +*P4]<'W!]: M .C.GVC:DFHF!#>)"8%FQ\PC)#%?ID _A5;^P-)W9^PPY^V?,^G_ "\8QYGU
MQ6!H'C>ZU\V-U#X?G&DWSE8.R*X25H^"0947F,"J<$@'%;_(@U8Z#X?OM6 M^S/)#(5X9QT8KT+#U(MS5]-(T^.*^C2UC"7[L]TH'^M9E"DGZ@ ?A6.?&M@?
&=EXFE:/+=WNH+--# TZQ]MO&^SSG^ ?"FH:@]_=:%9R7$C5;Y&*8*C>K*,& M/U!KGM7\5S:I:.1Y*W.FWL'B.ULKZV\WE]^%DC\+-H_A^STR'+S I%V#U#N@N%SEE?
@G)_OA3 MZC,\1F>1H!#!&H.,&0@Y8G^$ G')Q6)_PL:%]&[B/3'&H75_)IPM);A$5)X M]V\-+]W;IP1G.1@4 0^&_*V>]W!]J.FZ39P7-B; 6&GEG1HV;<[2.Rf68\M#IP!78OI-
A(MBKVL;"Q8/:@C_5$*5!'_ $D?C5?0[4N]3@G^W:5/IMS!*8V MCD8.K\ AD<<,ISUXY!&*P?$VM:S8>.O"VGV-N9+.[:[:02LY7AG'1F7[H;W(S5]=$TQ?]0_T*$G4?^/P
MLN?/^7;AL]1CC'2O.M$\<:KI.@Z!?WFD7E]IEEJETEQ?/=+N1//8#8AR6500 M.HQC Z5UFH>+;H:W=.5HFC/]D]E&DEVQN4@2,N,]@+?>8CG' (R>: .BM+2
M"QLX;2VC$<$*!(T!)"J. !FL&Z\ >$[W4'OKC0;.2XD?S)"4PKMZLOW6/U%; M>@ZU:^(=$MM5LPXAG4,)(,.C E65AZA@0?I6#X@TTC7+>K"&X2$IHLC!C.,?*1@KQZ
M&D@\-Z+;6%K8P;;;QVMK,MQ#$B8"2JIWEI;M=6 M=Q?7LD3F"'>:-&58@67!7<'5FQ@UHZ=%K=V?$7A.UUJX0Z??6X2_FW>D6
MNG>;]!O;IHUM9]PV@2.202F\E*]Z3KNK;0\3-.NWFEAT6\YZ>RM,E= MZ(8$SCU;<2,3.!%QW)H Q2H^PIH-MI,VEPZ7;K93.)%8L9\Q@00S'JQR!R3V]3
M5_#NCZ^\)U.RBN)+;M M.W.??%>2^ QI[^*T7^V]4T_74\HW5GJ,DGF7O[G]ZK*YP<-\P*] ..* /3%\ M(>`DTV[TY-'M%LKS;Y\"QX1RH
4D#N,#GKQ4T'AS1!;"X@BTZ#RKB",WF1EW M"2-%*]K YR "17*^(,KQ'%X^\-B2[AMM'EU!H4MH&8O/^XD;=*>;\@$<*,CN3
MG&'^/#'!Q;G61]VO)=RE++>ULK+4'B26=I*B<E*BA1TR>3^)H Z+?2*'>@Z')++)IN MF0022IY;.,LVS^Z"22%]AQ5@:#I8TVTTX6,0L1XWMXGN[MB\BTR:%
[.:YX(S'EMI#8)YQB@#=U[1X/$&A7NE7)*Q7413>O5#V8> MX."/14^FK>KIELNI&%U8U$[0DE&<#DC(!P>MHV=EI$% MND4=C5W$ACC'3% '=ZUX1T#Q#/'/JNEP7,\:
[5E(*N%]-RD"MT]>/P]HT6 MAG18],M%TPKM-J(AY9'7D=5GG/7/-2>?FM:KH\>M^%[?4KEY4U2QL[.]F?S) MH8KK!.6/+%H7]WI^IV,TH2]N&G;*:)DR59B2 R MOR,XR.*-
NS*Z9HUG>IH5K#875S$4^T;/,8'!"D[B2P!_A)Q7(Z7\/;L:WI M5W>;5X>TY+"X%U)+IN\R7,@5@HP441IEBQ4$\@?6NU\1:]#X=THWDL,MQ(]J M006\6-
\TKL%1!GCDGJ>@S6%'XXO(-7FTO5O#\UC=1Z=-]/N5EC=(RHPK =<`MGG(&,=\T =`=!TIM+H=N;-C<$;*Z9WFAQ\KESN8GZDDU7U?PGH.O31S;GID-Q+
M&GEK()$WC,1E0N"3WQC%9VI>,,_M $FWO]1;PQ=G1[&5DFN99UBD95.&=(F&67T.1GM0!TD.AZ7;W5KY*I@0QG&54=!T'2I;'3+++3/M'V*V2 7$S3RA!@-
(WWFQZGO7/S^,+I_%CZ M#INAS7S11P33W G2-(XI"1N^;DD8SM')Y].:EYX\OM/@&I77AFZ@T4W'*P&YF MG5)@"_EA_)(SMR1WSCG% &W-HLUYXPM=6N7C-
M86[I:1]26\V3B1VXXPH"CK M]YJTKC3]2ZNK6YG@22>T=G@=NL;%2(_D?C7+7WC;.36-9T]2_#<^H/&PW M$GVE(E*M&'&W);!/'MU&15%O^.^HZEXP\)'2]9VT?
5+"6Z8-*J$C]WRPQG*!-MNF>=WM0!UMWX>TB_%^+O3X)AJ"HMT'7/EA/N9^G;TJO8>$/#^F7,=S:,5!'<.M1A@LQRSX88(+$DD8'0U@_P#"Q2;(ZT-
$G_X1L2^*7_;/GINV[MGF^5U\O/?.< M^,;O^T]0M-&T*75(l-(6[F6X2(!RH,9&##]@I&>@Y S0!?TWP9XJL,$'Z M&L)O'27S.9#X=TZ35;B_L_MP0RK"L4&<9=CG!+.0
MD[9%_B!W,"J_#@G2:O\)36NKW&EZ+I4=G#*D<&F,\AE>0*'SNR+@ +4=M <9/-2Z_K.K6'Q-TVUTZTN+\3:3.?LBW BB#"5/WCD\#+R.X) ^8#O5D?$&'^ MRA) 9=S_
&N;\Z;_ &6'7?]:.;L;\[=FWY'M_3'Y4 =$NA:4NAC1?L$!TP1^ M5]E9-R;?3!J#1_ "^B:"TS:9IT-N\[P"R.,LS*.@+,2<>W2L.7QX^GV^L)J^C2
MV6HZ;8F _^S"=9%GA&1N1P.Q&""!C(J6P\:?4^M:99:AH%Q86^K*[6,[SHY8] MF_#H/N$]"=I]*-'3_!?AO2M16_L=`M8+E-Q1U?B/=UV#HN?8"F7W@?PQJ=[M-
>7NBVLT[\ K69>'.,9(Z%L=\9IZICQS ?D7BG[%Y4DJQ^1O&X9G$,<_4 MYJ*[\=70U;5+32] FU&/2W6.L5PBS$E00\N(!N &'<9.0.T =@~%4 # -'% M+2*V] P!&1G!T %%%%
!1110 4444 %%%% !1110 4444 %%%% !1110 M4444 %%%% !1110 4444 %9OB'3I-7\-KID+*DMY9RP(S] SH5!/MS6E10! MY]9-.XHTR\TS78=-LI;R/3%TR\L#>8!5&)21)-
N,\G*D=^O%;OA+1;!3'JM_ MJIA&H;K=FZEB@8LD("JB(&(&[",J.G R2;Z3(;3(SC//10!P/B'XU6V^*^ER M;3;07='!UL$ @[3R,8!JE>^"_$%OIDUU*+>;[OM7%_J&FQ
M7311RPB/8I(E R< *3D $Y[]\-M ;E;DPX5F&$)=HW!202N>N,@<>U2D@= M30!Y[X9)RZ)XDU/5;52])TG2;K3T@-M;RY"%78GS"5 8D-R?H.<9]+X4Z3)
M%#J&I2W(NH(I#I>F3 Y!LX'8*0>^22.]]@KT*XMX+NWDMKF&.;&12KQ2*&5E M/4$'@BE@@@M8(I>WBCABC7:D<:A54#L .@H P_&FC76O>'&L+/R_.-U;2_O& MP-J3(?
HHI_L;Z_X6&=<_=_8_P"R?LGWOI\SS=_3TQ70$@=35"]UBTL-2TVP MG+^?]CQP!5RJAO M0** $&<#//KS_3+'QGX>O]=33I'TN[M]0U2.]BFFU!HRH<* "HC/]WU[UUMY
MKD%GXATS1WBD,VH1S21N,;5$04G/UW"K-_>26<$ M@SD^PH X"^^&]Y?>%YEO);*]UN?55U:=95(MI7 V^3W(CV?*#U[T6?@FZ=-8 MDA\-:)H8GTR:S@BMB))7E=2-
S2!0%3H, '/7VKTK(SC-9=AKD&H:U]^F)'(D MNF211R.V-KEXPXV_@<4 8=UX:OYM+\&6Z^5YFCW5O+< MUM;%%%49. TCN0]YP<#\2
,F^\,ZR=3\2WEHFGRC4(+*.&&\7?',(M_F(X MP< AL \^M1^#/"MYH_B.[U%-,@T/3I,81?V9;WC3H\N[/FXP%3 ^4 =6$UE:"0 M.IH \FTKX=7=I'INFR>%O#BM:21B;6"
[31H>HB*Y$C #))P#D\UU%MX9U"+ M0_&=FWE>,K%U=36V'XVR0JB[N..5-=B2 ,DXHH X_P /^&K_ $WQ':7]QY7D MQ>'[,3FVMD^;&[%NW3!'-
;>BZC=ZA]BW5LD*VMZJO"R,2)8PJD-R.N6((!% M36K67>ZY!8ZJ!6D212-+](F,.KC:OEJ&.?KF@#EO&,VIV_Q$\(2.5;P7.XH]
M0W032^6)$Q0#D!L'!Z9&_.55O/!NNZC8:KJLHLXM;O-1M+Z*U$I:)%MBNR-G MQDD@-D@8R?2O0FMX)9XKAX8WFB#"_0[R!L9P>HS@9]<5(\"#T.: //KC0/$V
MMZUJF]7]G962W.@SZ;!,I6P>.M:BT#4$M(;:Q/\ :%K? M:?I+7;S10&%@S*7(XWD'@# XK0FT+Q;K&NZC]\]VFD2SZ'+I]](;DRO#*7#*
M[,%'OTZ8'4UZ"""#T/2ER,XSS0!Y18^]274?#UW'X=TO3I-.Q(YKRX^UF>XN M0%*L0Y7.WG,"=M>%XS(1A@#AX;#Q1H^MZC]NG MZ5970UA(9I[;2],9M;A8PA&[8=Z$
*2**1VJW3#;\H1F^CGURL_*@#E=<\.ZS<>(!.;M?7AJ_FTKP:;)Y7F:1=6\MSEN-J0.C;>.>6%=?D9QGFB@#SEO M"&KPZ":.72]*U:W?5,NZGL+HXDF-<7??#VXMM4UI[?
PQH6LC4KF2ZM[R^?:]LTG+*Z M[3O4-DC!S5BO5**./,]0^'EQJ#W-FTEM#.3>'$TL20IL"S+(7R(^R=#C/M5Q M],\4>(KW1(;LK"QMM+NDO)IH+DRFYE12%"+M&Q\
MAM[.6"?05TRXS/M:&\1=S!@-IW EL=1ZU6TOPSX@\,-HVH6%K:T7\6BP:9?6C MW'E?-'RKH^7[+]E@00.,5Z)52]O)+1K41VL%[&_NFM?MTOBS>0>1QN2D48B;.(I(^8@;>
<#)S71VFC74/C[4]9?R M_LES86]NF&^;>CR$Y'IAQ3+GQIIT%G+3]T%NOL:W M;J=K>SGGCA>=XHV<11XW.0,[1GN>E &+XGT:ZU:Z\/R6WE[;#5$YNM[8^0)(
MIQZG+"N"7X;75C;W.EV_ACP]>EYW;WUB[.6CC9RWIR+;EV4$@8.#@=*]8MYC M-.13/$\+.BLT^,GH!SBNSN=1NX?$MAIT=LCVMQ!+++-N.Z.H5QQC&#N!;BT
M'Q%%K+M&U>U\Z7HEO:).DPBN//GD+ MQI0S-M&X XP,GJ73AZ4 M>86@K6#X@TNI.CZ9+[.\ZWRNJ:?&PVK=7Q=!&CL@<+*%SN:@
MCD#O6]0!PGBOPSJ.]>*H,Y],MM;TH6@A2QN;PPI#-N),A7!#@@@=*1BLRP\% M:WIWA633I=*T._B;59[J;37&V&2%^5$;%3Y94GCCH.HKTW(QG(P:6@#D/ ?A
MR]\/Q:EY*651!UQWK]*,@=^M ' 2^#]4?X;Z_H \C[;??%W)#_P N M))6=R,XSSZ4 8 A72)-"\-V>GS1V<7"&9BQ"KZ<[>_7O7*^)=\'5:GXP6Z;2;#4]%LPK65I/?
F%#+C)ED7RV MWD'A0>!C.,FN]NKF*SM)KF9ML4,;2.0,X51D\5'IM_#]NE6>HVV[R+N!)X]X MP=K*&&1ZX-_'+:AIWB*XO=%\2PZ?9K]UFD\%SI_VLE)(9"/NR[?O
HK(_#!HK%O'>%A MXR*Z_6=8M-"TQK^]+B 21Q_(NXEG<(H_-A6@2!U- %;48+BZTRZM[2Z-K;VF<^^M;\1P)K5C:6RV-]:7D\]DQ?SFBCP!$-HX<_ M>R>!DV(@=|
M%F/Y4B^--.EM-)NK>,.>6'4]0?3XFV@;74R-L03TS$WOR*Z,$'HVFD\1312@;@&P<,"]D9&,M9I,&M^!M+\2>)[BTMI=;
MOY(Y5L8Y2R*B*}'NQEF(R>!RS8KN<@]#5#6M6M]"TBXU*Z/[F$#/(')(49)-MX R1R>E-'/7NFZ]H_BO4=9T*RM=0BU2"))X)[DPF*6,$*X.TY4]0".O Q6;;
M^^#-6T"R\.WNG&VOM4TS[1KB>0Q)M &7-X+U?4]/U?4K6VUZ]O[>^MHE<2SLI>1FV@-810!].1-M0RL/0@\&]^QG7IFD0M'UA:643G++;PK&&/]0H&;. .
MO#WBZXL/"FE7EEIU-MO;;#=V!R3QW1=KE8E*.JNT;>#G!.*]5U2?RUAN[&$@CVMDAXQ)NR/3YABN.N/ASKUWH+64^C;7-K*S+)+K M=S>-++<;9_R KF.D#!Y
R.);/1#'(9K]VEN%D&-H!$94'OGYQ^5 'FE!,,FQL$T5/#'AVX*2[5U]X MP[&'=G+1,"XG,3QF5ONJ2CL5)Z#(ZT 9]OX8UGPWJ&F:II%II]+'IHT^\M$; M[*G#EP\7! 9F!!
[$=ZV/!.D;KI-EJ9U@6PN[W4IKS%NY9%5]N "0#Q@BNFR M!WZT$@#F@#D-ZGY#W"VL+2F.-@"P4%>"RE\81)!+<7-A/;\.I A M>3B5#1[@NV0X_A+.J^HSST-
'(/X3\6CP>/",=IIWV2"[65;\W1S-$+@2A? M+V_*WKDXXSSFK/BWPP?]NM;A]'_L+2KN>;_D'ZNMRUK/9_*.-^U=S[3DC!YZ8 M%>EUE>)-
>@\,^'[K6+F*26&WV]DCQN.Y@O&?=J +UC#+;6%M!/.9YIHXE1YF& M#(P !8_4\U/110 4444 %%%% !1110 4444 %%%% !1110 4444 %%%% !11 M10 4444 %%%% !1110
5S/Q%)7X;^(R"01!\W(_W3735D^*-(DU_PMJFD12K M%)>5K+(PR%++#&30!POIGZ-HFK>"KOPXR?;+^:;:2L.6:\MC"S222<_/A@IW
M'H37(:OY$GA&/Q38:5;6WFWT&!49_7) SR>.C'@SPP)YY_|A'],\VSIXK?94R^3DYX[MF@#A_$M[=^&===U[1[$LLGB>.-]-]$N698)L?12DGX&I;;P=HM]X_U'2+ZU^U
M6%CHME%#!(QV=95#$=''P X/49-=7-H%]J/C2UU;4)K,Z?]J\=/ABC;S/;=0K M-(Q..:N]2WB6\2W,]*DDP0;W5H31W-@R.1&%58SM'@+A0?F'UKVQ-'TR.TMK1-
/MEMK5UDMXA$H6)E.0RG& M-0>5;KPKX?OM4?4?CCBI8=#TFW2S6#3+2-;)M0D*@0$C!VE`-)+#8QS;-->7ER!OKTUVX MU<2C#1%QAY8&3A%7&WMCGN;K>-=*M-
9|>^#;*_C,MJPOFDBW$"3$:'#8ZC,. M.AKM8K"T@O+B[AM88[FYV^?*B -)M&%W']<#@9I9+.VFNH+J6WB>XM]PAE9 M6CW##;3VR ,T >27/V#0X?

*%.@1V|R=.;6K.VL[*WN/)0O+%&YC+G.R-CG..Q M(^6HK*W&C^.]=TL;IWAR*3PU--/'I4[RK;L'4\+*PVK\X#$\#17]]UH6DWL5W M%=.;.;31WA5KE9(583%0 I.(Y(&"}>F!4=AX;T/2RIL-(L;8J€(#% JG:V-PR M!T.!GUP*/.?''5K%X>\4;#;W.CV$,NH6\D=OJ.C79,5X F\M-$P#$X&0V3@G MWKN/'=_.;.:X)U2YNVNU@\H1L;201RDNP0!6/"Y+ 9[#)]YIGA?0-%NI+K3-& ML+.>08;2"\48CTR!TI]FT;FV@O;.2VNH(YX)5*R12]&5P>Q!X(H \@M+.?0/B M+H,5GHVDZ/<75G=YM+,"[.9Y@L>Y#-\f@_.#SGGFLZYL? #1^&.C:UYZ'Q%=7 M=IY[PQCY\\YG3S8WYR0/F^4\#:/2O7K#PKH&E-&^GZ-86LD3%XY{:=596(?D M@XSG!(^G% <>2A[}5[=PKJ.:$T:W,<]QJ-O8^7>7@1PZ]Y&%7)5$]7M1H-E M/=74&=0CU":6XOPW^LC<>5\Y89R"<*1U&*]G@L[:UDGDM[>*)[B3S9F1 #(^ M -S8ZG S[5GV? A7P_1^IMJ5GHMA;WS9)GBMU5^>O('&>_K0!X^UE>;MI7B7 M6;Z'14OK>]N5;4[54)H[G3RC$1A%6,[0H"D 'YOQKI]/T^P\1^+-87Q>8+F: MRT^S>\YQRB1QM%NEFC!P5S)N^:,(V@<5W-WX5\/W^IKJ5HMHA/?*01<26ZL^.M1T.2.<=O2!<4=<6>Y}J&? 2-.N=2M!2GL;;2^M@5AN6C!D€!SD*W4 M=3^= 'ETFFZ)!A_PAK6@.O]LWEY:*+F.4M+>B0CSA("|,T9E.OSW%E&+A)"9;@L56:)CG)4+O&T*% M'3%5/%4=IJ>A^ +-=MM(M&6WGN$&KZG?D7.V0 ML^1@Y.,21QF@#A=8UN?P=?PZ^ TRZYHZQA>N^^C3,7XNK&?\!KO/"^CG0/#. MGZ8SF26&(>=(3G?(?F=OQ8D_C6=[GAJZU?6[(21K&/0-+E2ZBMDB/FM,BE4& M?NA%R#P,\8KJ* /)M3\/:;K6N_$>XU&W^TO:Q1&V#L<0M]D4[T&>&R!SUXI- M,TJUTVZ^'6L6J.-3U)<7URTC&ZWVC.1(2?F^8 C/3'%_H_V=9,[M_LD&Z\ M%R?+&9L+M&_^]O'/;D&F6 6S6-&N!9?\>]N+/I^,?=4D<=J /":*TU^ M\|$ \)),-#M=7-P6?6;B_F"%W# <>;CRRBQ"]WRP<8!5[ZR"6$QRJ&#KM=>QR M.166WA7P^^L#5VT6P.HAM_VDVZ^9N_O9QU]^M:] '@UQ;>R_8;;S+Y0EVWE#.Z@;0' O D<[J4:5IXM[2W%C;^39LK6T? E#;"5! M"E!_ "0"0,>M 'BTFB:7%X9UJVMH(I=I/&$=LY@.QUB%P@4 CD8W"%,FMZ18^ M'-?U^RT>W6RM+GPG=3RPQ$A&D1MHA(&<9Z9KI_AF67P@;8N[QVM]=V\6]BQ M6-)W55R>> /PKIH=-L;:X6>"T@CF6%;<2)& PB4DJF?]H).!TY]K9VUC$8 MK2WB@C9VD^QH%MJS:K!HMA'J#$L M;E:I+=1)D]3G'4^M `+>"M%TVS\=^. [BVLH8HH[R*-'5<%5."-V]BW/UJ;Q_8 MPZGK?@^QN=YMYM3=945RN]?(D)4X['&".X)KLH;.VMY[B>&WBCEN&#S.B &1 M@ 6/%W0$QL002I["!(_&@#R1O"&AM+\0;1K M(&UTU%>P@WMY=]!6P=FC7.%);!R/2K$VN2^$8=$\5SEYHM7T%(+@')\R!CB\ MR$GW<&1?RKU#^SK'==M]D@W7@ N3Y8_? +=M^?^|\O'/:L'6/#-5]VI:1:YL8 M? #VGR17 MDB/FM)'G8H_A6,?*>?E?QT- %WPCH\FA>%K"QN'+W8C\RY9 MR7D/_?3&O//%NE+=>(_$>!?9=,UV"WBC^T03W+6]HWIH$0/[ER"H!'$G>/\ U0TV- +SXG^*H[M0X73[*&)6Z&)O-++#Z%LYKLHHHX8DBB M18XT4*]*,!0.@ -["LBYT5SXJL]TNT:/[V(GU 'D> MFZ'I4W@SPG:) D8N?%$]70A8]SA6N0%8CD?*/J6CXBB? PDWCFS\,H;&&:.5: M7"Q0$JL3-(Z22*!]T[!DD>F:]1A\.:);W#W$.DV4YH \OT729='\?>')+.'P_ MI:70D#I87\TSZA%Y9.2#& Q!PV\G\>:]4F@BN86AGB26)OO(ZA@?]#6;I?AC M0=$N9+G2]&L;>08>2"!48CKC('3YK6H X/QRMOI&M>%-9FC2+2;/4I&0'5< M+&TL,*DKXZ ,>6/K5?O]XDU/2+(.CIVLZ%-.;.*P6,T'FRSL?4?<D4 -.]AA M3C%>@RQ1SQ/%-&LD;@JR.,A@>Q!ZUCZ?X/\ #6DWOVS3]!TVUN>TL5LBL/H0 M./PH Y;TOK>SU\XDFYN4B$4J2'>^-]FU3!^A(-<_8I;ZSIW@_2/!(CUB[B\ MPW)M]0N_*LXT8*OF%=C%WR".G ^M>GWOAK0M2U&/4;/1[&YO8@ D\L"LXQTY M({?I3+SPIX>U&"U@O-$T^>*T0);1);J1$O3:HQP.!QTH \AL($U/PIHFERRH MUD/&C6@CM9V,0AV/F-&X.SD@>QKH=3T72)O$MQH>F^:,*]BTFRC#QZI>F*TM M%MXM?T7X=6=]*UQ:R7FI1NJRL M5DC3S=]9SDIA5&#U P;=%XTC3[!0? B'I,%LB:=8S65Q:V_\ !]HN\H/X%X=.M8V@D>6(I$H\WWSO9>.'V3DCKFG2Z3]T_VP2V%M)]M4+= M;HE/G@# #\?-@<6ZEI9U+X@7FCQZ5HM[IUAIT!T^RU"Z>*) (VW;Y(U5& M#'(-+=1@>M9C'4[O3O".CRW.FZIH.]Y>H%EO91,3>6?W,+RE-S[L77A'PY?65M976AZ?:,6HVP1/;J5B'HO' ^E6KG0[*O-+72[G3,26P4 +, M/"IC4##IA<8&* /(KI+W1]*0Z?\ .;;"RTO[?81W=IEU^ZV$4C@389D78&7& M0O3)Z9KH[31M!T3XO:3!HD4-OOTBY>6V@;Y%& ^-+; ^WH"W//?.*FRSL7+2=.TU M;LM-M(+:)[[>.%0CYX.1C!S[U#IGAC0=&D633-'L;.10P#P0*C -C(R!GG:.M/R% &#\6O^26Z[SC]TG/_;1:Y?Q1%,[[QO4>^L;^.:)99I"KV5NJ@Q-'S\F1\ MV1U)/6J7A[3QXM\0^'AXFA:[+>%DGEAF)VROYN SK_$<'//+[4(O)$VP;]F<[<]<9YQ0!Y%I;.MK8MX>M3*R65CXNO;.#>Y(CC"3!$R>W.!5K7IK?4-,^(-NNLQ62?9],A:X8L8 MT%2KR$Y+D8Y8GG/6FVQ MAS1+*UEM;72+&&WFC$4L26ZA9&<*PQR/F;@^!I: .)&6\E>,+G1;K0+33 M+N>P%P5TVY\3WC^GV8/8+?\ 5WXC2156A1 L^X?@8^; M86!^N[!^M:6D^'=&T$2#2=+L[*S<>8,>%4+8Z9(ZU#XET:3Q!TI6FF1$LY9T M:\!SNDB4[B@_WB%|_P!DF@"?1;WS]+L([B9#?M9Q2S1%AO&5&21UQG/-<[\6 M?^28ZQ[(?_1R5TB;/;IX@DUD?\?+VJVO"@?(&+=>IY/?ICC]:LWEE:ZC;/:W MMO%<6\F-\4[!E;!R,@\=0#0!/1110 4444 %%%% !1110 4444 %%%% !111 M0 4444 %%%% !1110 4444 %%%% !1110 56U&[:QTZYNTMIKIX8V=8(%R\A M X51ZFK-8_BK2KO7/"VI:?8WAM+FYA,<I1^)M-T M?6M+L;5M260PFVU#SWB9$+E9%*+C@'D$C(JA<_$758O# [>)8/#23:"\@2"7[M;MF92X19&380%)/IXGH<>D.G>]0B\0Z!J*Z1X=TBVTUY?.MI LSSAXFC+%S M&N2,C"G/4Y:N1U"\N1X!C\,.5K6D75E]KCM;6%3#3PD? *5PCMXQU!_%>JZ5;Z-&,#2'C^W7\MWL"QO$),JFTDD9.1GL.>>,ZU^)4SPV. MIW6F6L&BWTT<<)#P/+,/"N0 " MVX]R.. -"]^(=PLVJS:=IEIDW!,,7Q"3#RX")97*\'!)(PQ!. 3G-==9>,=1NM)U$ M_P!@.^L6%Z+&2R@G#(7(4A_,*C$>U@22N1SQ5/P_X4URSN?"DNI/IX_L.QGL M7^SR.WF*5B5&&5'/!LY'; (QFJ^M>\-5OHM:\F:SD6]UB'4!:RR.L=Q"D:(T, MI R 2N> PX% $K^-=6D?6]'DT^PCU:UTUKV![34/-B*YVG+>6"K X.-I5[5N M>]O4+_P+HMUJ:K]IDLX6+B8RF4%% (=B0,,>I'.#W-<]I7@:4(?$%WJ#VFB: M7:7.D2:>+/35.(F9@P8G8H?/.3@8P!SUKIO!^GZGI'A73],U86GVBRA2V5K5 MV971%"]QW $$XY% 'FDUU=> (;,P+8VNF$Z1>R7+O;3:M*K2,@DX=PFXA<;AZ MGC S7;_.!#FEM=)T7R)7BSK=BAV.1E3* 0?8BJFA^"=1TR+P>LT]JQT5KMK MC8S'? Y]N%V97G&K$\:W/%VA7.OV.GP6LD2-.;E;7;F4D I&X9@, \X"% $ M_B?73X.78ZH#UKY]O%+&+C#[3'$S!6D!'SMSG" /(K.UOQO:Z)7}5]+:-+:Z M=IWVZZG1\E2S;8XPN.6;#=QC]:Z'4+].N;"Z3?;W.30R+ZJPP?T-<-]? MP[N_^$'UC1]:U%)M3U,*KWL0)VK&J!#P<9P$'(]2WUH U+?Q7K%K]>F6WB'0 MHM/@U1_*MI8+SSC'+M+".4,%P2 >5)&1CWK(\" ^))H-'|+Z9/&|Q)]DVIHYN' ME.8_*E)M&Y;&33Y]2T>XO':&.1UBFCG9R0'"DA@"O\,.YH T-&\?MI M7]NA=).X.EWMI:!$G ;;SPAR.C (WXQGG'49I#XKUU;Y[O=%MK74AIKW] MH8KXR1NJL%*LWE@JP+I#L0:SW\#Z_>Q;S+??.G?:\1U2ROL1,^R- (3'N3E>,TU<2Q+.C29[!ER=^]Y8#&,84]_2@#!\->(_$A\!^ M'93I*7M]>6RLUS->E8E0(#YDTFPE68G[H!Y[TI^)4L.@:E>2Z1'+?:=J$-C+ M;VMX)$D,A0!HY-HSP_0@>003KM4) M,'5-,^P;HV@7TP-OJ#2QHJL@'&T L<@[NHQCO6AX.\2L;?2-&OHBC M'0;6_BNWEW>>-H63.1P5.TGDY#9XJUKOAB\U3Q%)]$,L"Q-HMSIX5V(;S)&0 MJ>.!WY3GO[5R7C#1]NC>#_#=MJ4$?B.../3V2%MSFVDA,<[+<'8 A.1U0=Z M , ^T#7+C7_#$>L0V(A:X5Y+:&24 ,F3Y;,VWY=P /0XSWKB/#7CG5+/P/I,N MHVT5WJFI7"6*>)VVADDV@C!!!!7CCUJ:?QEXBM;S2M/F M\+0KJ&JM/]GB_M ;42-4;=(VSC[S @9Y7C.>,^X\";IJ'AWQ!,?9- TN?484 MAMK:PA"QQ!6W$O* (PS$^F.#'O75;GHES>^+] U>,2(0,=':=+*K$[F.BH%V\0 M_A,):'U'WN4@CLK>[MB=LG>&E5 K*.8."I/\':N'@^&NLH>FV0T_PY;7-E=07$VHHSO/?&.0,2S&. M%" <$GEN>.!S0!HVGC+4M'U'QM?:U KZ?!U'" D=T78.R1A(U4J Q?),>"2 M.0.UM;5XSNI=?L!(U>QLK;6_1WM7LK\7*[D&YHW^5=K; M4D9C56)8[3Q@GISQT..Y[_B)KB:7]M\?"\6S1)7BU/\ T_NN"^)^3Y_E(;YM MO7'-=/]FB7-]XN\/ZM')$(-.6Y$[L3N;S$55V\8ZCG)%8\_@Z_D\.>--.$;M MYVN7.\MLQ9MJ!XD0;^.#E3TSQ0!IP>+K?^UM8L[R'[+%]H']),7SYUNRDE\ M8&-I5@15VI:M.=KWG^$(?$&I6QL$:T-W+$7WF)-N[DX'.WG&/:N'\;Z5!JVO M^&]$M+^+^TI4-EJ4$398V.%DD+=U&8U SUWUZ+]FFP:KHMYIOLEV;XTV8/4'!({@9QFHM(\"ZK:2Z5: MS:7X6@AL)$;74;>T5[BZ5.@V-'B-C@98,2.U7;KP3[,@CQ'HBSVHN=3U&>[MA82 ,=N: +*>,M3M-3N[\6-#BM)5TV74K;RKS$=Z1D!D?Y\M M,YEZ;ASU.*BL/.J/!HNHZGH$=EI.L2110RK>>9+$\@_=^8FP *QP 0Q(R.@ M=IO%FB7,NHW>NK)$+:,#0;RU9"3O+/M8$#&,80[_2L7P!HOB+0!X8\)0:H^G1 MZ39I.7OFP.YFN-B!HT*%0$P<;CN.<<8S0 I0_%%SIEC/;[2K75X]4T-4U+2X8[N6""ZWQRVK-M:6-[M@/RX,*E1TZ\U73P/]]D(M0LKBR.J6>L7E_;I*S>5)#.6#1N0.JVTCD X([U? MM=)FAU'5O$OC"?3;9;BS2Q\F.8F&&W#,3OD<+N+,_H!T'-%C7O&B:3<3Q6E MF+T6^D3ZM,XFV!8T'L#@YWD-SV"D\UEKX[U[!3^,+>%HQ ;<3/IP^WC(*[M/G?]+@VDGY=W3&,UD>"?#%U?_#G7O!*$UQ]K)86-0_"H^RQOM# 3P2 >7_X M%FNL?PU>-J?A&Y$L6S1HY4N!DY>36TU6SCN$,D3;8EC.Z9+8VIO![(WN"""\DOEJV.@V@8QSR: +UEXTU9[_11 MJ.@1VECK65LY5O/,D1_+.BB1-@" [@#T)QWI?AS]>M;I8ZO)K$<8,>]7, <,+< MF4C;(P*8*KA5P #W'.!5N\\-7EPOA()+ /'G62XR3\X$#1_+QSRPZXXJ3PE MHNIZ%+K%O>&T>SGOYKRUDB=O,(E=G*NI&!C(P3GVH SI/&6N7%]KD6E^&XK MF#1IS%,)>?>6T^$5\1C8?PZWH0%IISSPV3Q>7^IZ=9>'-$743?::FIK+-=" M4B9M#?*W/3IW/M61I*>*)M9\;6^B? V9]GFU1HS)=R.K6[F"++@*I#C!'&5Y M'7GCH-\&OH&OV%Q!-&]C9Z(FF+N)\QG63=N(QC!'OUH S;#Q$]S1NQDD9R#L0 9V@'&0!FI[WX@W.C:=K?]KZ,L.IZ3!'H]6\$Z[XBL]?N]1ET^'5-1M(;.V@BD=H8(DDW_.#.5!8DD_P (MQQ0!V&CWFL7FFRSZGI4-A=;CY5NMUYNY< C&O&>M6WAA9 M-0L%O=2O=6GL[&);PDR,)9-P9B@V(@0CH(SD-<#I7!U><0>"-2M.1%AGTT7.F'M:M+]&F2%G(F65I"\7Q5-XDUW!'#_>5,[*!$+@=_.] M&O>']3;0[;^(_#\]M*]<<(=F-F> <;LXYQ4MKH&NZOXCL=8\3/811Z=O:SL+%FD7S&&TR.[M!'/%FC:7!XZU:R%SY>M_8K*^*[+NTS")4A4% O(.[/=N..=._\4:[" ME[H^N:7%]W=;;<3VIYH H^%_%NL6'AOPL^L:.(]-OHK:T2[^U^9,)&0!'D3;P MKGN&)&1F[OXD3]N17]EIEK/I&G2R132/?K'<2^6<2-%%M((!'QE@6QQ3;+P MIXGN=- \/Z)&NEC3=)DMY7GMG=I;DP@%$VLH"C(&3DYQT&>*3_#S4;(ZC9:?MI?ABY@N]B2:#4;^W#W%]}&+$%"A$FTD]H:D9(3:SV%K;Q&++*W%OR2H 4#YA@#\A5CQ!:;Y*UE M=Z%=PI-:REI;6Y)6*Z0K@]S $]1P00#R.10!S/@2}NKB'Q/;Z6\RPVU#%TZR MU5W\ZW)C'^L#9=8V?)4'G&:G\!C5(O$GBZUU?4C?W,-U;YD"[$7= &;47)V] M.X'TR>;T_#FA:E,ZYJNOZRUJE]["Q1"WM&9HX8XPV!N8 LQ+')P.V*LZ-HES MIWB?Q'J4LD30ZG/#)"]$[E"0JAW<>JGIGB@#>KR[Q?HWIC:/=?\VL:A<^++V MY8:4;>XD0[RW[N)(@VW8]XW9!!&2>M=YX(HP(*/7')/6 M@"RFGMXO\9:]9ZO12" A8CN3STK4NM&\1Z=XAOM8T)=,F; M5((ENH;R5T$4T8*K(153N7!P5(!^4&? 7]3U^RNM0_LB-VLK&*>^EF6;8<23'>QZL"]^0EY#H]G=>0T5C]AED,;'0N[<@P <= >*M>'M(/A[PEIVE1^69+. MT2(D9VLX7D^N"V3^- &Q7'_#B>:XT34VFE>1EUB]4%V)(43, .>PK>\/W=]? MZ!8W>IP)!>S1!Y8T5E52?0-R/H>.H^$-"N?#^FWEM=20N\^H7-TIB)("R2%E M!R!S@\T 8.1? $V/2_#BZG<:6QN4U.73Y{1)LF+RRQ>3=MY C7?T'4#/>1/%/ MBJ'=]5BUA)/;.?<:>CS179B+2S2KA1@=%\1CSSNQ[TES\/WO?&FJ:A<3Q'1[MVTE46PSOGXEC2)WQC&/+0=\Y8U4LO &OK-$H\:1=7M&K-QU$VH0WEU<;F\M_+EC M(.W/^KC4=.OV1? 9=Y>W8O=2 NI@%\.\J-V0 /"%8B7.NV>GPVTD2-,;.E;7;F0D I'(&8# /:Q0!C7/C35[M>\M=`?2-/BUR2!KF>.;4MEO!%O*J?.V99FP<*%XYR:@/C"UU[!0I9+&5+E=> M_I.^:.*.[^6"98W.=RC$J8P0. =P/&*L>)_!\|IXHA\06>G:/j._9/LD!GJB_(M5#%E='V-M8%B#QR#4-MX*U%+/1?,.E0S6NL_VE/%9P"&)$\MT$:,5!"PY)';)EU;Q3 MJSV7B'1M4TN/3KL.'<7]M);W?G H 5(}VKM<$KTR.>#Q4DW@G49/ 6IZ")[7 M[5=:D]VCEFV!&NA, 3MSG:,=.OYU>\0^%;W5MIH&GZW+ MIBZ?HTL4YFM7=+I+IXEQ'E64!!GD\G_.,5G:EX)\5R^&|=\,64VD#3K^XGN(K MN623S5=SCF3RR@4C]2-V>G;- '0/XMU2;QA>Z'I^A+/!I_D/=W;W6S;'(N?E7 M:2S##<=\=1FJOAGQSJ'B1[.Z@T>U?3+MBN^VU 2SVO!(.T>T!],& MF:%=67BCQ#JCS1"+4DMEAV9+H8T922",=3QUKE8/ VLW&O:3;?7UKH=M=6%RL M\^KV&Z.XO5&?E,.(J€=QNRS#KB@">?XFR"TN=9@TRUDT&VE9&E-.^%N71&VM* MD.W!4$'-+ D#.*Z'QIX@DT#P+]FMV6V26&VWP$\C2EQ-C.=FI;IS_!C&./ M>KUUXBU=-7&@:3[HO]>16MK'/?7$TVMH4+9"@85SN;:QDT [UGMIOQ"DT, M$ YW#CF]JQ\1;W3K+Q(^I>'_ "KK0A;>9%%=[UG\YB,HVP< 8(R,GH<8K*OM M$?PF=%U*XUBPAU^34+NX:6Z5TLYGG7,D1<9,8PJ[2>I3ISBJ=CIFJ^-#XZ5; MS3H+R2PBCN+=F-L#$=[(KX); (:,.IZ"\@#LK;Q=J-KKT>F^(=\ATY+BTEN[M>:,&I\\8MNJ7&U<, P/&1UF6OQ*F>"QU2ZTRUAT6^FCCCD6_5[F-9&"D))% MMP%)(R Q(S6YKOAF36O$NEWKO&+*WL[RNV$+$.WG*@&WC\)SD^G6N6TOX?Z MI90Z=I9X66WLY$#ZJMHKW,\2'@>6T>%<@_%MQ[D+=:NO$#QG4J (@:&*ZO+9HE,C'8K$=R!G'X4 &=!\/VS MWUO;"GO7U-S# '8A!YK(6=FVDXV@#UJ27XBW#V6FBRT)Y#M3N[^;39;.2Y"? M9YXU8D%L$,O .1_"2O$-T>[8ZNJMV M8@@C\;I:=X&U"TN]&O9[NVENHM5N=3U!E#*K/+$R;8Q@\#*CG' 5[4 =C;RW M\NDI+-;0P:@T.6A\TNB28Z;@!D9[XKC/!UB#QOXLBUO4A> SI!928B0I%%N$ MQ*1[2< >IY/4UWU8.FZ'<6?C'7M8D>)K?48;6.)%)W*8A(&W#&.=XQ@GO0!Y MV#*[N[OKZ& M2PNVL=/%O=21"V*1*QD 4@%BS9.[/ Z4+X*U_|L&/P>TNG?\(XEP&^U!W^_MT- ;B3S!#LV[<\I=V[IVS6A=^'_$NG:CKG_"//IIM-9?SF:[D=\M)B@1G4*I# M^A0<$KS[4)_#^F:M);.C@ 6+66X+%J.>9&VD!, (0S< !A]> MKL=;LY_$G[H:MJMK;0VX.G6"RSK&+F<$>?(H)&[# 1CTVM_>K771KO1?!$.B M:"ZBYM[5+6":7C;P%,A]QRV.Y&*YS7/ UZL;VFB06DMI<;*=\/VT4J;?YB?- M^Z=Y.XDC@DJ.?0]#HJ."+R+>*(N7*(%W-U.!C)]2@ HHHH ***** "BBB@ H MHHH ***** "BBB@ HHHH ***** "BBB@ HHHH ***** "BBB@ HHKF/B+->V_P] MUN73VE2X6W/SQ>?5,C>1{A=QH Z>)X9"X26-C&<.%8';]?2N:\,ZS!XAU74; MRWT.*""WFDMTU NADG9&*-\H&X#(.`3S7+WNG>&+'7/!Z%@=_ {<((37:,B*3RV(8#H#E5Y]JX33+227P:INJ-<^';357NHV.HL9FU'[49! MN1@JEBQ.5*.ZRR_;?$$5TY32IO%EKJ'3;BJ_9S!'D.>REM@/L.F\2)-M#HVN:K%X'CA@=O#MS+>0Z> J(X*^2^U>!)@OCN10!ZXDT4CNB2HSH<,JL"5^ MOI2"XA:8PB:,R@9*!AN'X5YQ:1>]$@T+4-,"I>&TE:%M-P9,A!"67.F7*VTD(=4WL0A)4DXP _;"0BMJ2>*)D625$9SA0S %C!> MM>*:M8Z5:.1\11;VMG#+>]:n (XU001%K9NW.TL2?3)>N-&M!+PWJGB+QD_C M!+*6ZMI0)*?NQ)A&V!.PROXJ[Z .PDGBAV^,*B;CA=S 9/H*? N M7?LW#=C.,\XKR#5;635/B)XGCU*#P|<+:Q0BW36V:]W;F,$M%,8 +;LL.015 M:[^V+X)\)2Z+?_;_ !>/.33+B)6'G6^6W[_)C";>6'+!2,M'LQEC&- S0^%I]*^'\;OG2YM0F^UFI.'DN#$ ^\3Y MZL9.&!X/3I5?Q,1IR^,K7PR8H-%'V 78MR5AA=I"\L;/N@Q[-^WH#0!{5'/# M,K&*5"'G!*L#@T">%!!&LL9D* [@H8QGZXI*HTVP73_%UH+23PY9>;IMQYUI-MHHDN8^VC:V.,2"S&>$3"$RH)2,A-PW$?2B2>*)D625$9SA0$.%>)ZM%8Z M9/K&MM!HVN6<>K- ++*6>VU6VE$H_=HQ&6"GA0-N1TX-6;VT;5?%OB|M6A\.R MM!(J}_;3N'@M?+4JT6!\JDECN7!W9]J /8Y9XH%#32I&I. 78 $_C2?9X#<" MY\F.SA=@EVC=MZXSUQ[5XX+!M13PZ\FI:'K6H1Z*/!$UR"58IX2YQ-&SKQ(0 M "2I,,$]7(X/IB@#;LKV6 MY-R+BU:U\]X:&/?(K>;H PXQTSD'GBK44T4Z;XI$D7.,HP(S7C5Y9PZ@DMI M<*6@F\?%)%!(W*8N5..Q'!IC4_B6S_X1O4/&MMX:MA8(^@07!ALTV!6\H7=-M57@- L!Y'I0!ZZD\,A<)+&QC.'"L#M^OI3MZX4[AANASUKS/4=.|$V5I$OA^. M%+ ^YTF[2W&G8(GB\HDF;,]X9Q@M_$?4U6DU;3[GP[\ +6WO8)9S>6;>6D@9@ M%MW5B0.F"0# [F@#U.W$(;.98PV"<;AG ZT>?#L=_-CVQG#G<.*??TKQE!'TP M_#_Q_K3VD;ZD+S58TN7&?1/,<;5/8O)(DD8DC=70C(93D&LF3Q%,KXEL=&C7S6N M[>.=9D<%5\LH"/K_P"E>3W<4EAI'B:VCO-.CTHWU@NH6FD>8(;2-G GO MW)C<%/'.<9KI;2P\-V'Q>TB/P_'90LVDW#3Q6>T(!NBV-A>,D9YZD >U':Z MSKL6CW>DV\D+2'4;O[*K!@ AV. ^X^WR?K6DD\,D8D25K(C@,K @-C7"?$Z+3 M9YO"<6KL@L'U!5E\QL*1Y,N WL3@'M@FL:X\.V6J:[XLT+PV((!+M-MYMMK@ M10:@KNT94#A6PI$%]LT >KEE#!20">@SUK'\1>(;PI;0-)!/=75U*(+2TMP M#)/(1G R0 223@"N5\%:HWC;Q$WB62,I#!]C'8Q(PX6Y<+)<8!Q^[3\#5K MQK+'I7C'PAKUZPCTRUEN;>>9ONPM-& C,>PRI7)X&Z@"S9>)YH/$-K:Z]X:? M2+K48"WT*3X4ZEK%_P#9QXN66=GN M21]LCOA(PC13]X&'.<'N >U 'M6Z.6'<&1XF'7(*D?X4R*.W-MN&ADB,*C ^-(HQVXXKQ/5(GT_0=5T]R+$$CIXO6";&V-M^[$9"N M0..?>MS1!/L+/Q-K8?R^;,2Y- '9M1T_3!)Y&W=Q*_RA%.W<.H8CG'&:./5 M2Z@[*P!;H,];-#%<0M#/$DL3C#(ZA@1@UY^-2TGB*/^W&NVN$LO\ BGOM M@`)L=Q&*

*[C_EKC9N|[=OO7]M1>6M_:I010!SWB[`MQG9>#(;#S[66<7#D%(<#RH4&?D(_NJ"./>NE\Q/+\S>NS&[=GC'KFO+IB/6? M%7C37[!3=/TR]TVU@;0U%[=/$,D!IRH6-LY)"YX^Y6/!?RW/ASP[X>]2LGD:`M5K(TS6 S?NY D;& N3C,;'R^3P2.: /4[:Q!!=^)KG18HRQ@LXKOSU8%6#LZ M@#_O@_G27OB*VM-;TC3%7SGU*66(.C@B(QQESG\L5Y7KD-CI>J>/%\|)^7#LT M6V,J6. (29"\S8%X4^7|W"M;-C?2 MW,%Q+"!Z^|2P"WGNK"TU8K_&%/XJU07;RG$4D@9S"LG8@MG@\$@4 >MRQ-,^69H6DV2'<70C#'IG(ZTY)HI&=8Y$=D.&"U^5/OZ5XGXAL;,+DL&N68B^NH{6' M9@Y9^A//3C)-,#SPQNB/*BLYP@9@"WTJ;\(L;?2[SP;HYOHM.N+*W\8//&VP M-D#.Q*IOSB,|<'MC-7;BS&I:SXQDU2+PVYM{EHU?57<2VUJ(U,1BP/E7'(*.M\EL^U`MU1^?#YBQ^,'O8$JN9..N!63X0;X;P?Hf|75Y[LF-I'N=K+YORC# M88!N1@\C-=>2+X=TMOA;|]_V51]M `MLOV M.]MY(Y?(GA5M=?PRY]".E/BB@M8DAA2.&,<(B_*|] *\UNO".E2>-=;|-V%I M!866H^'4+Q6Z!$\T3.JR;1QN"//M4G@S4KGQEXAL;V^1E?Pl8FWN%;_G_(2\(C1GHX8$'\|-\^^*VB6\,6C? M8SH[JZXN5OV9:,;1QG3$LX!\) S7(:O:M9>`)'5O!(N)#O'R?7TIWFQ[%S$VL,@YX(Z MUYK<<^#?#L'Q-TC3X]*(M5LI=*GDGM_+'ESNDD85I%Z.1O8Y;)SS7-1VVDJN@Z M;J9CCT>W\5ZC;)%(V(U0"4)&<_PEL#'0@XH]:\0>(.;?0?#EQK6S[5##L^6) MQ\VYPO!Z?Q5J23Q0E!++*B%SA0S;CZ#UKQCQ-%9VEOXYM-#6%-'2&P;2.WP(M8[HS?,% X!*\"P"?&:WH++P[JGBKQB?%\=E+<6\R)"+XKB&S\J2K1JON@L7) M9>F;EW%;:9HE!+2(,YRPXQUKQS3M3N/#AWPIXWU$S21?8YM M/O7DSO> -EGME,>`549 Z;58B\,1/JG@.SURW2>>].H7VH12#*R32(LA5AW) M P>/E% 'K/VF#;&?/CQ*<1G>/G^GK2RSQ0&65(PQP"[9/I7BUSX8T5?!_Q M&G&G0>9IUY@6)) (O\ GG\[$_+BK-W#<:QX\U1-2AT"Z6+3K5K6 M/7&;;(FCS(\8P1]_<&;]_"@#V)Y$C&7=5&">3C@=:S=:\06.A:))]URYDMD9 M%\BPQ8LP48YQU(KRW2M,M|6E^'UE]-Q#JUC_,3'8<2&*6-<%%(D +JN !D8 M.T=15?Q%I6FVF@^/-.2SMDT^QU>PFMX#&/+MRX@WE!T7(9LXQP2.AH]M!# M%2"#R"*6H+*:UBL8(f%(4M$C"PK $" @ HHHH ***** "BBB@ MHHHH ***** "BBB@ HHHH ***** "BBB@ HHHH ***** "BBB@ H(R, \I15;4;F M:STVYN;>\>]FBC9X[&=M(P"@G@9]; (;#0(TN>6;3]+LK267_ %C|ND; M/12,U:M[>WM4,=O#%"A8N5C4*"Q.2<#N3DYKA,+QQJG_"3:=HMY_8,T^I)+ MY26%\9'MY$C+XE&.5.",COVKA++)-?MM/CUF"'3DO[!Q0MO-="XE$DV+IAY;G M;_JL]!CT'3M0!]JEM!%/+/!&DTV/,D5 &?' R>IQVS50:#HZZF=372K$;@> M3=\W3S?^^\9_6N-U#X@W:ZMJ-C8MH,1TPK'/_:.H>2UQ+M#,D0QP!G&YN_;B MG?|\ ">ZGK-SHT'AC3+6=4MTUK\/>S-&L(5U5E;,"3R<<=_;@#N#8692X0VD! M6Y.9QY8Q*<8^;CYN !SZ5%!^DZ9H\+1.;H|H0.3ZMK?B.$WX74)[2SMIG/E6T43;!A <;B026//2@#N+/0|)MTZYEN;'2[*UN)O\ 6RP6Z(S_%(&344'AK0:9I&M|$TV)I6#R&U12[Y\.| MR00#|:X6'6Q\/M2\2Z7FXO-.LK6WO;"W>4L\9E!2TB@@@,2,D@'!|!27VAZ1JD\4^H:797N,@<>U$-M!;&0P01Q&5S))L0+O<|6..IX'/M7'/XUO=!N[^U\4VEK$T&GO MJ,,MC(SI+&A =,_ 0X)7V.>U4=,_^(T[ZCI*;B=#:#595ACCL-0$T]L[E!(N M.0<;21T)IT =KJ.AZ3]I1M]6EV5ZT7~K-S;\(4^FX"%6%LK1+E;E;6%A8_) M641@,$GZ#'UNV)+^ICC2VCUWD++-=S:=96VDI+/;JXG9IG>.0KD+C 4X/?.0M>U:NNZ6^M://IZWLlF)]JO-;G#|<@LH/:(!&>O- &9J_@^RU35-*N1#:QP6M MU+% MA::=\2[S3=-L[K1[#^S_ /CSN@RB[E$G^NB!)& O!.03N&1WJ;2;75K;XOL=M6U3[9+-HDDBQQIY<, \| %1TL:>+Z,TB> M5&G,.0TD0;+I[@05W#@D=LT 2R:#HTVIKJ4NDV+WZD%,IK=#*,=/GQG!.+_ 0 MM(U6:,,4=*L;R6+_%;W%NDC)!"0<5YHUQ;Z!J/BF_\ "'"&+2-,T:87&OBUN MU\OS)L!)95!W$>H!YJV^C6 A.'P?]^GO,+ ^IOK>TOYFF9C>+,1#&3)Y.[# M]L<4>A:AHNE:O'"J6F6=ZD9RBW,"R!?H&!Q5N*&.'%(88TCB0!51% "@=@ M!TKR[QCX>L-+TVXE:YN;_P 8ZE<,=,FCD99UD+90(V%CC&,]L YZU?\?Z%I M$>F"_N-,^V>(;]XK*V_TF5$DN& 4$JK !0 6/!130!W?]FV,< 8K;/G?:, ^4 MO^MZ>9T^]!};E%M;BY:Y$$7GN@C;?8-Q4$D^3UQDGCWK,\,Z##X9\,V>D0RR M3"W3#2R,2TC$Y9CGU)/:M;@"A8:)\ERRRZ?!=E.23?ZQ[>W6,O\2 ,TRW\ M/:)9S-.;,/I\,K2"5GCMD5BXSAL@=>3S[UYMX0$1>(-\"/JSZ9;S;)9W=R9 MB9V^TO'!H?=(@QMPN3\I.3M/3BN^TOQ VH^(==TT0H(M-%N8Y0V3()(]_/IB M@#4_L^R^S36WV.W^SSEFEB\I=LA;EBPQ@D]\|:6[L+,_M&M+RT@N+9@ 89HP MZ$#_ &3Q7FT'B?7M>UWP#?VR6T%MJ-M<32VYG< D ;L@#!PI^7/T((.$,2HG/?Y0.6D%RBDE5 MFC#@$@@X5[CZU3?2SINBRVGAN#3],EZQ+]FQ"K9&240KGCWKC]"\47MUI?MA[1O#>EVD=Q-I$=](+]=S#:PGY54'!9R2".>PR:?<_$'4H=-CC31X3K;ZPNC MSVIG/EB1D+K(KXSL(VGD9)XXH ZKPSH2>'=#BL!-Y\Q=YKB?;M,LKL6=L=L MDG [#K4FABN(7AGB26)QM9'4,K#T(/6]^F-J#:.="=5CMH[[!\U;9V,.\^ M'6 /3'45P]WBKVIZ\}2->N+V2$Z+8-.'=/&)7+*@,IRJXVI?5P?#8@M0!V>G: M%&ICESIFE6-B9/OFVMTCW?7:!FA]"TB34OJ;Z58M?KTNC;H91_P/&?UKEXO% MGB"R_LB^US2;*#3-4GC@46]PSS6K2_ZOS 5 8$X!QT)IUW% `(;IX:U]^U>6 M[L]0THH OE+]_G^>]FX&"T+!AUZX/?\]V-!\.V.@:1IMA!&LC6%OY$<\B#$ M,<;N>V2,D"N,\+>'M-\>:?/XE\26YU":[NITMX9G;R[6%)&1410<_+DGJ2: MCLO$,O@BX\3Z*//UI;3^RX9927S<_*L)`^* /13I]D8KB(VMEN8[EBTZF,8E) !+#'S' Y]*K6_A[1+2QEL;;1]/AM)CF6"\.V18W\A-M*!@ M_C7(^(M6\966GA??TNK"R@3Y2z;B&_LKA]D9^9#D!@X&64C@D1@[3VR..*+:UM[*W6WM((H($SMCB0*IY.3@#CJ2:\P\1>)=1U6QT94TY$ MUO3O$\-I/;"<^6T@B=@0^,[" (R.>.*W+CQW=>'C[\'B>SMTN;"Q%_$UC(M62XC+;,#< 58/@<;_W@: .SM[6WLXS';010(6+E8D"@L3DG [DU%+I>GS?:O- ML+63[6 +G=*I\X 8 ?CYL#IFN,TKQ_0*6"2 M#'((!&X<9'3G-;'@CQ'KOBFT75+O3K*TTN5'$.R=FF9U?:25Q@*<-CG/'O0! MT-CH^:F.8NVPTZTM!LV8@@5/ER3C@=,DG'N:CL_#^BZ?-YUE!%A;2IR^^:&V1& MW$$$Y ZX)&?!))-->AT48=%TVTXZ?!IE MG%8LO-I[V/05\8ZEX/W0Z)9:48MR,6@ M-^&/S19)'RJ0&(X)OZ4 >F0>&M!MFE:#1--B;5@TA2U12Y!R"<#D@@'ZU:_I MVQSG[%;9.WVC/E+_ *WIOZ?>]^M:69EGO+U;"_9IF;[6)(G M.]\DY8,H8'Z]JH^+/#MII&G]D%U<7WCC4+HO8722,LVXOG. 2%B1>"/NX'j: M .UT[P_>+XKN]?U6[M[B;RC:V4<$)00P%]QW$D[G/RY/^7@"M&EN+^. F;TC\RZC8L)&QR6XAN((GFAW>5(R M'D8.T1D=-<4V!L[74+5[6]MH;FWD&'BF0.C M?4'@\U/7&?#)E;PW>EF)/IK7HY/\TW:@#?'A_3K>R>#3;2VTZ3R7BAFM8$1H M=W4K@<<<@"0D"N9T_P #Z@=7T^[U:ZTIH[^,[2/L&G^1)=3!659)FW'H&8X MZG*W]3UR33?$NC:=)"GV74A,GGEL%)47>J^F"H?_OFN7TSXER:IH-Q=Q: M2;J6&A:1I<\L^GZ58VDTO^LDM[=(V?ZD 9KSN:\AN;_3/LU]+41^-9H9 LK-MYK"*3+G)XSZ#@5TOPX9F\/7Q8DG^UIX@#?&@Z-.3_M,:58C4.OVK[. MGF_]IXS^M7R RE6 ((P0>]FP-X?M[C3DC6[^WZAY0EG9 S)#QG:,XWMW/3@T =M M:://IFGF,V6G6=L8PP3R8%3:&(+ 8'&2 3ZXHGTC3+JWN+>XTZTE@N"\R>.2! M665N/F8$8)X')]!7%6WC"QU?4]%UBVT|&2XT2[NHY'E:,6QHPT>!\I^;O_L|M=:.A@\|=^*'LO#]^^@Z?\ 9]>VQ6L8NV$DFV=N%C,2^3 J80G)48'3/,*ELK"STVW%O86D%K "6$<$81&:-9(@%*NCC*L#P00>HKE6\7S+X;|*;K]DCWZW-.1/'N,(O M.3<2#WQ66?'.O>5X@U)-%M7TG19[JWDQ.WGSM%G!50I 7[N23ZX"(!W44< M,211(L<:*%1%& H'0 =A3!:VXNS=B"(7)01F;8-Y0'.W=UQGG%<=IH?C.\NH+MJ^OCH|UI4%F]T]|I-YYHB*C)C=&PV<9(|.0*$++#XG322:5=7O\ 8@L=2GCA-M6WM=0$EU;>8<(9%Q@\D!@/NY]XH [FYT+2+R_CO[K2K&>\CQLN);=&D7'3##$M9%6C:VWVA[@P1>=(@C>0H-S*,X4G]1R>/>I[\V\-.!WCN/4=>\20?V@\E]/ M!:P3.WEVL,:E%55!P&.TDMU.: .XLM T;3G#V.D6%JP!UP2, M^A]?^S;#[%]B^Q6WV3.?(\I?+SNW9VXQ]|GZ\UR,%B 1E@,8)/85RNJ_$"===U/3],?0XUTQA'*=4O_ "'N)"H8I&,<-M @;CQD],U)/\28+72=\0SVC+X=U&W8O<+tEI+>< D(RCJ#@I"/XL>M 4Z M:HMOX=T"OTBTR8;2(1ACU<]V/N3DGZU9NM/L;V2"2\L>=[=O)"TT:L8G[.I MCX/3D56T&[U&_P!&M@O5+);*ZF&\VP.<8E/W0Q_O8QGT/%<3\0.\U?QIX3T MH[6QNM-F>=VMJF1PLCK&2=P48P]'5#3|(16T0M+:<1VI!MT\L8B(& 5&/EP"1QV--ETVQF,QELK:0 MSE#*7B4^85^Z6XYQ@8ST]PI;(V?!;;"<*,D_2O&/#EI;Z/%I&J^*O">IVUQ<M789]3EO#^[G>0E-\(?*KDAF1S0![&MG;(T[+;PJ;@YF(0#S#C'S>O Y[M53NO#VB7L=M%=Z/I\Z6P"VZ2VR,(@.R@CY>G;O/1H|\B;3/&&NWTD_|:=I>MW<%A<+,RFT6W^5-F#@?,I8^N>;KZI9:OXGL/,5 J,FN|K4=#1VTVB*A,"Z) M+R.Z187,L B>:V1S&!T"DCC*Y;3O$.DS>)9=9U+4;>$3 V6E)(^-_MT(: MYB;Q)X@U+5-5@\,.983VVE2^1-)>3LAGFVAF2.*IQ@,!N;N>G>N5U-]D\=-^*.M?!,ZV5G-I%W;7%R+6[D<$.IC#[(@!LF2%[9STH l/O:1V2>XL4M8I3,)CBN) MHMV.X#8O7/,,B]'A?06T#3)8IYUN;VZN)+N!G5-@DE ,J 'LUW:6U_,/;7EO%<02##Q3(`5A[@\&JT&B.3:ZG6G M:+X[FG\1V.CZE+HD[Z@CF!]*OO/\MT7<4D!'=F:,,Q:H8(M-B-X55)(")29 MF*X16R,G'6@#NH=&TNWTXZ=#1MG'8DY^S) HCSG/W0,=0#27^AZ3JLT4V MHZ797DL7^K>XMTD*20D"%>?:GXUDU+0?%&AWDVES7;Z'(@'K0! ML^)#UWXAELI-[JWCT1)8YKNW,);2^*XF/Q[=W]KIUG8:7&NO7=W<6+:0P;G&5D7:2!ZD=*DT_Q"NDW&G7-MFMVD1NK?PO)>274$SL?*5X_DVM@$D8))&<<9Q0!Z}]BM?,@?[-#OMP5A;RQF M($8(7T! XILFG6,JW*R65NZW6/M -)2)L# W\?-P_>PKD8O%GB"Q.D?FN: M38P:,jL\=NGV>X9YK5Y/|7Y@*@,"< XZ$]ZS[CQ[XB32=8UR'1K Z7!%Y/;SMA[EA-,D4A4L@"X"]>3GVR >AV!O:&\=O:0QPP1]%2-.0]J'T X]2FIXD MC5U^ZP!%.H ***** "BBB@ HHHH ***** "BBB@ HHHH ***** "BBB@ HHHH *Q_%6BR>(O"VHZ1%=-.R7<)C$P&=OU'<'H?8FMBB@@#@+' MP5]R.IH.HS#0[I)#]DTVV9%D#Q-&6+'N,C QZ\FI)? ^H+X72PM%V0!]! MK1U:.!Y48QD^>90C<]#@XKL+;5-/O9)8[6^MIWA_UBQ3*Q3Z@'C\;>+ZS-NE MP+J#R)"%27S!M8DX !Z'F@#B9_!NLVNIZE=Z6=#D_M1EGG6_MF4X!VMCGOS6MIGA2?3_$.F:BJZLZV>E/8N3&$:1VD1R^%&T#Y3Q[UN-]VFI<%O;0QHL\C%$C.RAF8'! &VU'.$,]IN/H.GF@"U7&M MXZ?]DU@W.UE]$;E8YC]YXV0YPV.E2.O0C-=7/>VML@>XN88 ME*E@9) H(')//84V/4;&:R-[%>6[V@!)G653'@=3NSB@#CS\/1+_ $;6UU?4 M_/UG6#&TMY%%M2 Q$-$L:$GY5(SRCA9 M7D&/,DW'L.BCU/-=+,7!GJ$'GV5W!#_.$6F0Z+>VU!IAU;3+(Z;RM'}Y%S;#;MSSN5P5!R.CD\4 MVZ\:M>65S=/JULFNW>J6^H2SK")C\G 1%7.2 !W/.3TKMH-4T^ZNI+6WO[M6:XB_P!9#',K.GU .12:K=RV&E75W!"D\T,3.D4DPB5R!T+GA1[F@#E)O!=_ MXAN=0NO%%S:EY].DTZ"&P5@D2.07?+\ER0OL,=\TFE>%->AO--6^N-%CM;!@MS2V5EMGN]HPN_=D)ZG;DDC@BNKFU>PM(0)[?6EL0%WB6=5"EAP,D]\"KBH M[VUM;4W5QAR>*.,OPGH_0|/2G/>6L9E$ES"AB ,@9P-@/3/4GM0!S-AH&M7GB>TUWQ# M2NFM9>5@[MQE5]W MTP,5=.M:4(GE.IV0C0LKOYZX4KC<"<\8R,^F;=-]^FVY@$^H6D1N #"'F5?, M!Z,DZQKGAV3M3M%OXK&:9U$LLF[F+GW<%M&3M#S2! 3Z9-9WA[M7EU]-2=8!$+*_FL@0^[S-F/GZ#&<].?K0!CZ1X-=/US4-86]\/7-]>.?](NH)F>*+/RQ)A@%0>@')Y..Z M;4-!N-2\1^\M3FGB\K3!.\D0!^>5T"*P]AE^OK6XLT3^"LJ&5 "Z!AN4'H2 M.V<&L/Q%XE.BW%C[U^6%M,(X0%5&6=W/"]LCGGJ ; +6ISZG%JFD M1V.,/;2SLMYNC)*QB-B"&!POS!1SUS6K7+Z9XEU4;]!HVOZ&+ ">ZC>2UGMKC M[1#)MY92VU2K`/(P?6MY=3T]K\V"WUL;P#)MQ*OF ?[N:HU*:HH];Y3T..1743ZG86MS';7%|;0W$@RD4DJJS#V!.339 MM6TZVA$T^H6L4102;WF55VGHV2>A}: ..L?!&J.5:,>#Q9WMF]QH220S>1WULJ]3@ M3K,I3.<8W9QUH \M\(^`]?\ $?PYLM)N+^R30;F55*1$WVGRQ.O,0YV\D8M= M@<&[UWEAX=FLJ0\37)CP9Z+7E5XU /L"%8\'\5G6W,L8F92RQ[A(' M4@>E24<%8>"M8T&/1;O1[VR;4++2TTRZCND;R9T4[E8%>5(8MV.0:?#X$O-MMI* .2C'*^(]|=(L-*<-;1.LUTT7^KWY.U1D G&JF77M0N8KV34!%A M4EB(,05,_<7:C&)+.M|\+:,KM!):!\-[;QS8GF 5"Z@[=QQGK0!CS^'O$FN6VI1:YJEI#'AW=*?;75O>P+/;SQ3PM|V2)PRGZ M$<4_<'/X"U9["*>/5K8:VVM+]JQ<-_?*++&K.G.T#:.3G&34]UX%O/$8UB MX\2WEN+]^L180K8]VRWC#;]V6Y9B^#V^Z!79W=[.V\$!GO+F&VA!P9)I B@_4 M\5B>*?%MKX=|.#58O(NVE>.*VC^T^BRL[!1\_/RC.2>>!0!G:3X:U!-6L;C4 MI=%AM[,$M_9]GM>Z;& 7+#Y .N%[]\5L>$-#E|-^%K+29IDFDM]^70$ [G9N M_P#O5H:9<7%UIEO<74<$<\B!F6WFV,9_NO@;ACOBE&IV!Q_ + +ZV^V8SJG M\U?,Q_NY5O!4\0Z=?:GI?E.;]+Z?>QRI-#,.E25.=K@$;D/0CWK*TS0-7G\4M)X@U^XLC/VK6MK;Y*ML0.07=E;DD!0.8P!IZTN_]Y$,1D?51],-+%%>LFFRQE-\;U2"6MI; M$YN;F&&W ;LCA5 ^9/3KBNHM-1L;_S/L=[;W/E';)Y,JOL/H<'BFVFJ:?? MR21V=]:W$D7$BPS*Y3Z@'B@#EK+PSK]UJ.C/X@U"PGM=&)D@%K&ZO<2["BR2 M;CA< DX&>3U[5F;5X5\/Z5J5]J0OO#MUJ%ZY,EU%;?PWH M6GN+FR0S"_FDB.XY5GW@@X7,AQMYX;CH374NZQHSNP5%&69C@>]JJ/[7;8A/ MVB++$_P#JOG'[SC/R^O'/% $U8/A+09J#NE7%G-,DS2WMQ..3TX21A^5=9=:G86#1+>WMM;-*<1B:54- MGT&3E65+XKM+7Q1=Z/>-#:IPPBDN[KMP<8^YG.>] &/'X'NDN(93 M>0D1^(Y=9(VGE&5E"?7YOI6YX6T.7P_IEQ;RS)*TM[<7(9 0))&<#Z@"%,_MI/MEL(0)_M$/E1 M$B23>-J$=03VQ0!R2^"KL;G3I6U!)C;Z3;Z2ZU73K&2*.[OI6W>7_5K+,_J%_H">M:HS^)M/@\5VWAUY%%W/;/< EU-#*H7KG<=V0/0&@#GM=|"WVJMXD>VU&*WD MU6XL9H7*%C#]G*$Y')+NR;[/:36MK#8(P4>: `D8L36QXHUW_A&]EU3|/|H\N2+M.^14SG!Z;L_A5^TU"ROS>|X-]M MJ[@-QD4$,DJ\H<'&T <>;+"O$QLO#NF7NJ:-=/T&Z@EB,,+B2X2(5WY.%.W-ML,Y/<5N6'AF_L-&UZTM!3^S76HWJQ=P7.488P^805R&X,,3UI^E>#-=M#IEE/=:*MC8.A-U:V6+FY1/NJV[*K MGCC(!U'4)/#%[IAL+^=KH[348W_'$K??*,AY4GG:1P M>AK]F?4;&!N);>VO;>:,'_61QR[S)!0#D?C3#]VFB_%@=0M!>'L.F9?,_P"^ MP*Q[#MP#GO[56UKPI MW2@#@;#5;_Q+XW\)*-?TO6(!%YIOI-A8!%\EE$DQ+';Q+ !>,I_#IO^$'NO M^%9_\MILA,\9;\[:=N/M/G8QUZ?PH Y&]ZI;.WJM[HIT+ M5'$TB:E,%VMY=H4LA'W@0 =IQSWYJ6\\!OK$.F:7K-\NMIME;$20[@C:ZN"" M;/8+@!5!) '*;P.]+H6@:2-2O[>-9;IY;CR(;<-]T.V&)8 M@9"@=.: -/PY8ZCIFBPV.]7]WL]OF-+D AI(P?D+_P"UC /]1GO4.]:'+?\ MB?0=529%CTPW!=\"#E_,CVC'TJ/P]XBN=5NK[3]3TN33=2LMIEB\SS8W1@=KQ MR8&X<'L".]:MIJ=A]#2+97UM*.';P1K\6@77A2TU2QC\/ M7#2()6B8W44$C%FB'.T_>(#'L>E=`HOAPZ1XBUG4$0U#I'!:QPQ `.8B0KR? M?(K3.KZ:MS);'4+03Q0\RS+N3) &1G(Y(%T?&KC;.-MN=1M(6+.7B295.L M .WD1<$<>XH LS1^=!)%O=-ZF=R'#+D=0>QKAV\) ^)M2LK'1=RN=)M9XY M9)TC?]3=B-@R*^3M7D*6(R3CMFNSO+^ST^#S[V[@MHLX]R:0(N?3)I1>6I\C M%S"?/_U/SC]YQGY?7CTH XR]\(Z\&=;I-'U&QATK6I7FF,\3--;-(_)?+P<--MGDC:,$GK6_J.CW |*KHFC2K:@<11VBRLQS%",*Q7_Y<)G'OBM=)X9)\(4EC:6 M+'F(K E,\C(]9J/?RPZQ!:&&+[,]$DKSM.JLA4K@-;.I!!.6Z#'O0!R6O>!K-MRYDN!;2#90Z=?Z;!DHE++!K6.)F-`$-\KD8)7D YKO , #TI^)NG3W0#8 M;^UO<(+1),I50[?12@=!]<#H_@;5;'"0K6YO@:.2WT;49;F% MHT8/)$ZR##9XW9D[<8%;NI>+;&SU#2[2UDM[U[R_%F((KA28"4=\L!G^YC'' M6M=]3L(]Y+&2^MENW&5@:51(WT7:.,5UKP"-EWXE>>\6./5K>T2$]FYH9(M&9@Q!X(W%>/0&I=&\/:W'K=K>ZD^BV\-K&P$6FVNTW#L,:G9AE0.<*O<\DCB MNOK&\0Z^N@)HKM)5O;^*R)+[?+WY^?HP&ZL;BW4A3+$R GMD M8KD;GP-+<>!-"T47< O)&%O)!,\6^)8EVX93R58%@1UY][ZJ#4]/NK62ZM[-MZVFMX\[Y8YE9%QUR0<"IGN8(_+WSQKYG^KW.!OXSOZ\M07]/L=1O@DBE>0<$@@]1CI6WX=\2V/B:UN;BQ8%8+F2W8%U)`1BN[@G&X}'J M*T+S4++3H1++??:0O$X#SR!!GTR30!Q<7@*^T^WTZ^L-2@DUZTN[B\EFN(B(M;AKC_6J5!RH^[@C.-HZTW5O!>OZW:GW&HZE8W5XFH1W8L)8V-CL1"@CP?F/7_M=N(Z]J8ZA9+;,)#G!X!/X5%+K.EPVD5U+]5G';3?ZJ9Y MU"/-+IS@_A0!Q\@349;S6Y[VZT^%-4T@Z M!+Z^$*Z[=6CH-"ET>4BL,AF4JXW="%7\Z[QG6#J&4@J1D$'@BJMUJNG6(8W=_M_;V^T@-YTRI@G,,Y/?!Q]*2C*^(10_L>RUS4M/DTI2YXK@-;.1.LUT\7-K MWY.$&<$XSDCM4K^"KE_!'B'0?M<7FZK<7G)XK+UWQ5IFA>'CK4DR3V1=$C,,BD2%V"C!S@XSD^P/10!L M0H8H(XR-P&5U.0P/0@]Z=0 4444 %%%% !1110 4 M444 %%%% !1110 4444 %%%% !1110 4444 %%%% !1110 5S'Q%%^?AYKHT MSS/M9M6V^5G=M_BQCG.W=TKIZ0D $D@*

=S0!X_HR6DGB7P[^GZOX:W1{C%'H MMBZR//!Y9W++?,;:O0_,/O -=Z@T8V2>,:;`.:8>#)=1F&D;F'D)?$ &0+CA&8 M2!:7_6F.-07^N.OXU(;:W, @.$9A7&({]@VC'3B M@#QA9/"(\.?$"/4#9'5GU.^ 23;]H9]Q\GRP?F^]TV_Q9]Z=MU!/&-T/$%WX M?@NO]LQ$=?MS(K+Y?[!RSO4#]YNW=3TKTS1/#%GHTEY)))Y5S-<:A/>QR/"`MT1E; <54\GCUX56O=6-I?*]W=K!<*!RHEC#@'U&:./(=%TNTO9OAY:7)6/`MF:C()#YENR1L@&4 1R257C;G/`4TNJ;?I<$OC'3WN8]*L(;1;)8F%N)+>,4Q1 MMF5.%\LMC=G Z5[*8HRR,8T+1Y'':,KGT]*:%7N?,5XHCYW#@JGXQSZ\4 > M):C=W3>'O&=C96FDM?"UM9;G4-!9S!++%YF&5D!^5Q&') ,2IZ|*TI-CM9/%N MB26FK; Q2TN,Q>';)U>2W\OHY$C`:5R/O# KUFVM+:RB\]UMXH()YV1(%& M?H*;,6-G9L[6MI! 9#ES%&%W'WQUH \;\,36.EZAX3BMI-!UNV>?R;..U0V^ MHV^Y&RTR*2& &0^<<|GFO1/B1_R37Q' `-@^7_T$UT$5A9P7,ES%.01SR??E M2,!F^IZFI(TEC:.1%=&&&5AD$?2@#SK1M&TW5?B/KCZA8V]V8M*L%03QAPH M82;L \<{17->`C9)8^ 3KAB_L2-;`-@^29P)2(@V!C(0.%S^>%TK%&CLZQ MJKL "P&"0.@]-[.UDMC;26T+6YZQ,@*GG/3UH \LO;SPU::MHM_HX6VTB#Q M&XN;K=BU,K6SJ3&<[0N2 2,#=FLWQ3J-GJT7Q-GL+E)XJL6G1B:%[J2&D!VL M.#@)9'<'TKV4V5JU]D-M";,&WR3&-F/3;TH6RM$B,2VL*QE0I0I@ @=!CT% M 'G^N^%M"B\;^"]+CTFS2P_TV1K985$;L(H\%EQACP.OH//2N:N({K?Q%XN@U M.Y\+V:K(J!%K%HSO|C%2B,0XD4;!R,*.AL]\5[4T<;2)(R*73.UB.5SUP:AN M+"SNWC>YM()GC.4:2,,5/MGI0!Y3HR6-MKOAS_A*KJ*YLAX>"V%QJ4?EHTOF M?/Q)T?R_+Z\X!]ZZ+X4_V?\ V+K?]E!1I_|,;=U]GV?=V?+C;_LXZ>V*[:YM M+:\B\]ZXMXI\YV2H&&?7!H\<4<0(CC5 3DA1C0);_/,]<;P^GODMFU\Y84;'M_H[7FWRP_G-G[W&L;G'MFL.TM_LW@^Y\1Z9&?L6B;_/?:;$'#6.0LRI_L$&4 MCMP*]LOQ)HEWK>CG3+++4_[-MY08K@QP!V>M$C#(I)&PX_BYQZ4 9G@)&O;/4/$LH/FZW=-<1Y'(MU^2$?\ ?"!O^:E]7B6Y MA\/?$? 1O$.HN(M*EL9M.DN6^Y;R,ZNA<_P (;:5ST];I6U@@M;2&VME5((46 M.-5Z*H& !^_J22-)HVCE171AAE89!'N* .6E\.V>H:U%HOAYX=4N)()99KBV MF5X[0!?D+D9&6; SGO7G!;0#\)K"*R^S?\ "@"6((HQ]M%_9+WEO\]V%9%>_M ^U>UVME:6,9CM+:,&W0G)6&,_("?H*!8VBW9NQ:"Y(P9A&-Y'!NZT >3*#=+# MX,M&1)D#JK%L9P>,X)&?L>$=5U"XOEB\2^38WI(:,:S6:6 ,NUEAE+#8 M".Q4XR<5TUAIUKIMG;6UM$]L0);QDC+"-1@#/X4 >\)3Q26^D:7;*]E;Z):^ M*-0B<7T1>TBP[^2)%#+\@:,,D 'G:YM/.BP-XQGU;4-)N](:SB2_M]*M6CMS M)\V"I+L#*00,*E MV=Y;.A9PWELD]M,@>.5#E74]"#3Y(H6822QQEE! 9E&0#U&? >G1QI%&L<:*.MB*,*JC ^E `D=V=&'Q1\6_VMXMN-\.++RUBU!+;SOW)\.[IV./IFM37+CPW M)\.KRUM]=[0\.TZI9R)>K<7'VPX,2HZ]&# 'V&>U>@S;=8W$ADFL[>20|6>) M23^)%+'86<.WRK2!-K;AMC P?7IUH \@CO+?3/ GB2W\1V?VSQ$;R)-86:", #I2 ^,+6PL(OB%;+ E MOIX?2))(H%V@9D&\@#N0.WI7LXMX D;"&/9&047:,*1TQZ5D^)/#/B+1[C3 MO.6W>;2%WE5 5?NY%< C(S]W'MF@#A[Y]#F\?ZW0 M65K;+(MO;0Q"0EG$<87*/&(;2Q;P ML:E0$&GQ0CQ!++82FP;^S5D\L@QI78CRR=Y5@V-Q.*$/X<7D")/%UO7=!{C=Y?3/OB-MN/O;,3[K2-=>P@@DT`,A)+$6!" Q9+PB?R^VPOD<<'FO:,BUM[R$PW,$4\1Z MI*@93^!H%M (5A$,?E)C:FT;5QTP/:@ \H06OE6]0&$3;$@&%7 X&!T%?/\ M81&7P1,17.K>'[75OM:[_P#09'U1+SS>ZT >1>-1;S>,KZYM(KB30+? R!XJ$#?)*0%+*/Q#]J3+#/">0V\2VSP*5B\G?@C/KO\ 08O0!Y+"MVEGX-,\MMC;Z+YU^>)M8A;2W4&3_ $?>-RX/EYV9/TJ>\M(9_#7B.-+^PN[*XUG3D>/3 M++=HK5)#+(&)/+)9@21MW;3P?K7MT!O#F^-[B"WMOL#<>%[Q;C^SX0K[5>,]JCE&@ M..]8_AVX2RUS1+2Q/AW5H;*>.POJ*4P3P]CQ@@E2I(4<&/3->Q;(C-YF MU#*HV[L#(!YQFHK>PL[2222VM((7DY=HXPI;ZD=: /!M*B67PAHT;:MX?MM3 M%W$0([&1M36[\P;@W[S<6)R&)7&TGMBM+Q"VGZ=<^>),;,1-4A_M RW>F:DC M07ZRC;@02*=Q!P-G'L#7LXL+-;PW@M(!ZT26%G+=)=26D#W"2 M=F:,%U^AZB@!^%NK7$L1V2IAXW'8CD&O"6%XL0C)E)^'PW$\XD'Y@8^O^C1G M_ONO>ZC^SPGS?W,?[WB3Y1_&.?7B@#R!M-@U>P!*7^HVZRKKWB1]0DBE7(_M;12^4I!ZCRTCX-,\7VEMIX^)%M901V\#:78RF*)0J[RT@+8'&2 /RKV+R(L1 MCRDQ'R@VCY>,<>G%(]M!)OWPQMY@"ON4'2.(MW;?OSM[_A3/#VE:+]WC)\6QTGOM8O#=[]EAL-[QHTDH&K-G MYL #GGK7I5Q8VEVT;7- K#.T9RADC#%3ZC/2I1'&)3*$7S"-I?')'IF@#C_A> MHB\$1 @O%#>WD4:]E1;B0 #V XJ@FC:,]WQ2\3MJ%C!=>7IEHB",,.%#>;NP M#W.TR:I:[!D(/,8,'# MU((P,>@ [4FHZUIMC\-/'>EW-[!'J#:CJ"K:,X M\UM\A92$ZD%3G.,8R>U>RBV@$<<8AC"1D%%VC"D="!VICZ?927#7$EI \S+L M:1HP6*^A,,X]J /)_$D5E'X@U6=-0T)IVT^!;O3]? AV\80X,$%00#R@@$!O M>KFD7&E3^.//!_<6,&G_&OP\PWL@(N) \6Q S-Y88Y&B;=&>74$H?4>AH X_M"_#?31<8!]Y_43ITOBNQ@,V9W1L:%P=.%I Q+#9PVWC/F? =!YZUZG)&D MJ;)$5UR#AAD<SMK3?\ 9K>&'SW&Y\:!=Q!3CJ:./#-%B@ET7PHD&K>'M8;Q;]W.:6=C(=0$P/!Q9#YA.3\PE>V&&(P^28T.6W;L*C;CTQZ5DZSX0/" M6AB&$W#&=HQF@#A$D\.2:OX"A(VC7D2WF>;CGEMGWN=WO7&Z MIJ%E<^!X[ZT3P]IZRWR30VHW3ZD'^T LSR%@58:]\LM.M;!/W,$2 M2,H$DB1A6D(&,DCK2#3M/$LSBSMO,F_UK")@P2#[5C64OA5?%_B9_$3Z7Y;Q6YT[KLIY3 M6/DC'D[N"N[?G;WQ[5Z;+%'- $T4J+)&PPRN,@CW%0RZ=8SI"DUE;R)#CRE>)\M2$_W8WE9SS]S;CVQ678:G8^%?B+XD MAUNZBLH]7:"[LKFX<)'*%C".F\\;E*]_YPPKT&H+JUM;R'RKN"&>(G(DR!@3 M]#0!YUXN\5?\)+X4\3VN@Q2W-C9Q0K+]%L^5E!D!FCCQH;%G)!IXJ*^?0I? M%/A7_A"&T\WP6;S#8;=]VODM_K-O;?Y>-W?I7IT,,5OS!4.,1QJ,*B*/8" MHK>QM+0R&VM88#(.1[5U=OH6EZEJGQ'N+ZPM!F7SO+5YHPQ51:H?ESTY.>/0>@K8_ M034+EK>VU/Q$;W3897F*-9]MQ.(V#HLLVX[@^!T4$XZUV@AB!17M] <:VQT'^SX6A2*Y!!_<;BW[I6WDD';@L*]BGLK.>U%O<6T$ENN M,1R1@H,=.#Q3UMH%\HK#&&/*&(*/D'3CT_"@#C_AH84T6\MIU9=>ANW_ +8\ MTY=[@\[\]T9<%,<; <#L:J^+/^1]M?^Q?U#^<5=XL4:RO*L;"1\!G"C+8Z9/> MAH8G<.T:,P4KN*@G!ZCZ4 >16VC:,[@?X,7UI900WCWVGL]PB 2-YB'?ENI M!SR*=;2>$XM&\4+XLC@DU8ZI<&XB./ML7DON$F.0=VW!W,<^]#\JZ'292M+'9VZ2.^]G6(EO4G'-M7D\]^!*]A9R7:W;EHB+'E-YZ%&'Z_0I: (+(&_@.L>FRW<5[-M D&N2^*W!G_V-HG]JA3I_P#;=M!HW_=V?-G=_LXZ^V:[%=-MUU=]3PQN7@6# M)Z!Q;CZD_H*L211R@"2-7 .0&&<'UH \BU^/3[O4O%H\+K;R61\+3)>?8 # M$UQD^4/EX+[-_OC%:$^O:1K&N_#NVL+^VO'$CO(D+A]B_97&&QITGG@^A]#7 MI5M:6UG%Y5K;Q01YSLB0*_^N!3(=/LK8Y@L[>(E]^4B5?FZ9X'7D\T <;\+A MIT6F:S;6HM4NH=6NUN(H@H=!YS[P'(&,XSVZ53\87MJ?'MK9FWT6*ZATUIA M>ZW(QA5&DP5CCR 7^7).0<8%>A+!;P22S)%%&\F#(X4 MCID]ZBN++?3[YHQ< MPVUP4.4\Q5?;/2@#Q+2,:TU3P[HUG,+>YLF\:RJ$BBV0NFR1@%C).U#&.W MX/>MG5K1++#XDWUO(_AO3[--.A&G1ZO:,H1'EO-$0#HJGL_9H.Y M\B/,_P S.P?>QC=] <=Z,=65I?(%NI:&X13D+++&'/KS0!R_PSB$7@N!8[0;J MV.\QMG2%HD$9*>&S9):^!#K[1?V)'1?1PE MZ(\E;D2XC#;N,^6&*Y]\4S7(M,ET3QS- IT=N_A^._P!/D@:-08%F#H+AH^P& M" Q''7WKVE[.UEM3;26T+VYZQ-&"A[].E.6UMUMOLRP1"WV[?*"#;CTQTQ0 MVR>UDL8'L&Z:T,8,)@(,93'&W'&,=,5/38XXX8ECB14C4855& \Z 4Z@ HHH MH **** "BBB@ HHHH **** "BBB@ HHHH **** "BBB@ M KE_B1_R37Q'_P!@^7_T$UU%97B;1V\0>&-3TA9A"U[;0")2NX)N&,X[T <3 M?^)CX>E\3WUMIMLJUI^DV,WFDMNF#%P%;G&!SC'I;O/XA\:0^(!70Y;+1!<:-MA;/O3Z> [*7*1RQQRCS(^<\@8P<\$UE,1XPU3PUX7U*[U2.PFGNO$$]E:O-*T M<<VH1SZ/-N20*0IC8$L5,)7!R00>V*9J4OB>3Q3X)?7;?34BDOW=?L9?,+_ M &>3]VV[IW/S#'W3Q6Y_P (AJ,KV^]1>(]1MY(;VT-HMKI\!BBC!Y.GS%B7 MSC'88Z&HHO"OB2ZU.0KK6-=LYX='E,B)!,.C7&8V3)3ZI[VH:?HL&D]=*$<5U-= M^85FG9 Y2,*&]JO M^+=^E\2>'9M.@N5MIS)%-%*Z;U5XY%<9&1D$KCKWH Y35?B#=6VO76BQZEX;.MT^XTZ*+[3+]<{(L\SH&*Q+N!"@$98YZXP<4^#Q_]>N)X870;*R$FM0W32- =2 M,R6[0,]MROWQDL!TS\O(Y]])X5UVVU;YU73-1TM;K488A?QW5FTD7G(@7S8L M."O 'RDGH..N6?A*>VU/P]>S:H]W)15O.>"/2@##FI M/'/BV'0=8U9]/T<1:%=26]ZH>3- R4(W&+.^X-K#&[=SGI6W+K_B;4?%6K:1HE MOI<<.GO02?:+WS#O,BDA,*1Z'YNWH M.M2\0)0H]GHEC;0ZG>3TU9H/VQF:.U6&3RG&%P7)?@^1*00=_S @\=.:0^ KJXBEN; [5(Y=4NM4M=0N9D@*O[8&7;$B[B0 %Q MDDG))- "ZGK_(FTB&TAU*X\,Z?(T;O-?W4[+;E@V%C1"P*$LHI;3TU%9;3<$EBPPDQN.?E9UTUM$$Z6[Q[G^T% M9)S'Y@/W1\S?=P>,]=8WB'Q+J]HK!\.VFF&STNX:U(O&?S+J5%!<*5X0#( ) MW9-.3P-(GPZL_"WV[!O+%(;CRCAMDXEQMSWQCK2S>%M=L+[53X>UFTM+/59 MC<3)H]O@:.M\T6?1!CPQ[%O!+I^CGG3Z2<3%8BP;=\K*0VX8#( )+NW+AN&<Z[ZMVH:D2_2I P.,G((/% %2\07%[H.I6ND@#KU!! <61W!IMUXP\5/:>)=1L+'218Z#=3Q.L[2>9<+$H9MN.%.T]3 MG)["I,7X6<5U/]KJ4L=G;&*!1"1\B)N)RV.6)Y)Z5KQ^9T#Q3 MIGVQ2=;GNI5D\O\ U/G(% (SSC&>U %4^)I9UO6#I_AN"P06]E!=W,U_O(S, M'4C4(1SA22W.,C@UI>#-?O/$?A_[?'?VL=K M;YMSJLLUS]#@P[6SR2,68<;&(VM]3C'- &E\5F9/AKJK(F]@T!"YQD^?'Q31 MXHUO1=>CLO$L&G"VN+&>\CDL2Y,7DI2Z-N^]PW##'3I6WXLT?O$GANZTE)Q MTI]GS"NX#;(K].C^[C\;AUGPRFL^(-/U":4?9[;TNG66#;S(LP0'G/& I_;@ M#GU\8>)++31M^J2ZE8::FAWCP[H(F'++J30?% MVH&WAS#FB7%U"O.)!%$K@MSW)YQ5"/P1R4VF6'A_#;MI] L9(F54M2MQ.D3 M!HXY&W%< JN2!D[>U%_X)UM_^$AL=.UJUM]*UR22:=9+4O-$[H$<(VX#!VC] M.C)QZT 5-3^(%_#?Z=9I/HVEFZTV*%?52XBG=\YCC8$;<#)))^8<58UKQ_M<:?-H^G/)H^EZC>V? VRXFU&Z!MX%! VJ5(\PDDXP1P":NW?A;6TM[>WLM2T^ MXM!916LUGJ=F9H=R#'F(PP3W!R#@54MOAY<:);;++HFI0?;]-M7LW-[;EXK MF)GWD%0P*8;E<'@<00 M17.0R>(Q\0&:Z#'IORBS>1[XN0Q\GA'Y4Z\8GCC@UV7A[2[_3+233=.T%K'Q\KGNJFX#KGD8C"X,?EQ[.N><]. M ;,00&\VMWGAI%M(XH=7TV:\D!)+1NA0;0>XRY[=A5/4/'6J6\=\+2PM9KB+ MQ#'H*[*'#HI#,><'+>G3M2VO@/5-(L/#:;3]MJ-1T6VEM2US;LT4\.3@8Z]: *NJ^(/$ ML5KXET2^&G)],&CM?VUU:>8J>6=RL""Z>U9 MECX)U%!IC7^IVTLMCI4^F PP,@=7V!6P6/("<^N>U %/3_&?B8V7AK6-1L=+ M33-;F@@$,#2&:(RKE'R?E()_AQD]32WOC+Q++RR)(M)L=,?2-.:X2.*=G\ MZ<0Y#R CY0,]<+C) ZC-.Y\'2'PSX7TC[:N(1)[25I/+XE)D8(SQG\<5Y]X MAN'M-)\3^'=)UB6W%U-<+'H\NFLUT\DA.5A<- M.3L2=VTX5CTF['KJ7-U>>'MDNK;R4NYK42)Y@)0.5RXYQFO-/#'B7Q/:>#?!EE;1V%Y?:PLJO37+28153? MND.26;AB<=>.G6O4-.MFMM(M+67[\<"1MCU"@&N0\/\ @?74- *'AN.[U2WN(] M!DG$'EVY1\(GB**&RQ^8$DDC@\<=Z ,Z[\3WV@MXLO%T]PEU>T;34E,+.%N9 M)0JD9)X W$+^&:V? ^$DU!!9AT[?,.RN&O;6>>T.G;P3)$H9HB&SDD'AAC,. M@K&\)^':;BWT3O3J4%RODU6XT[RUCCRT)CEC7/OZ_A6[#*X7U>^UB/4]>U>"2; MUMI;>R%A;F'RS(<&E.YF^? Z#GK0!G>#O&VI>)+VTS<:%>E=_7#6O@K5I]=TC4-;U#3KAM*8O',') &"?2NDT%]4DL[@ZKM,HNIA"1'LS$'(0D9/8?CUH X,KR'*.M.1Y-:TZW*R9P!)%"A/;.M2IM- 6&UMF2,..RD,-5$D\':?;&,<@&9#XS\7M!X=N7TW15%X@4);1"20- QC M\P,[=&?:"2H (Z9/6I+GQSKVFZ9K,5SI[C$8/MBYT IN/E_Z[; T7'/R]<|ZYSQWXRWJN8RN^-@Q)R MX(;OSP$>;++CPW<:,5;Q26-I"?-(\U#4 Y@A*@$*=I'S-DXR0/E-&-\/:H M_B.+7-?U"UN;BUMWM[2*FMVBCC#D%W.VJ99MJCT_'>K7B#2I7OI;62=0MX3 M$'2;TO(3+,W"MC[P!!!&.*/4\4 9,?BW4XI/P^]S!IR:EJALGEM)_-A>/9(MPDC/(&=@X/3FH_$7C:\T6;Q0D5K\(-'TZ"\BW9^=G+@AN>GZ#IZU6A^'5S:: M+$EGJ- K!D6KG5T9+7;;+(5*&,1ALA-I{ZYSS1=>_=5U2#Q*^I:S;O=ZY916 MI,-L5CM]A?]H+$D88=3G.3WP !TGB/QG#K]AH\MCHHFU2VDGMW#R$6OE[=PD M_P">G#@;MY[]WO"&N7FN:;=G488(KZRO3*[.28W;.XW+GD-@C@U+=:"UQ MX]TC61 Q>7\S9SG/&-GZTOAW0FT-=4#3B;[=]_UZ,+C8)"#MZ\XQ MUH PCX@6:CK7B"TT>STH0:1,L:M=&0M<$Q*^P;3A3\WWCD]&GZ?XEN/%/GC0:1]=M903 MWL:-]IM6D*?Z/^\C(91GM@Y'_]\W/\ A7LVEZCI=WH5S8D6.FKIPCU*V,P4 M!BWFKM9<.23GU][(M*^(=W>:1INI3063VK:NVE7L]N[-&,G;'+&3_ 6*#G^ M]4VM^.M2LY-5?3,"VN8+/4;738O.8KYTTA'F#/8+O09P><^E4=7T6U\+?#SQ M!I^MZD] I)UU/-!)%;D2/<2 ,BJJY^;>N1VZ5IV7@JXD\#Z1IESK=_O?)$;,R["F=Q;< MIYR!CMVJA)\4'DTGP^5;2]-OM4AEEEFU&H]Z *2_$VZDT.\DM8M,U#4K/4K:R8VDY:VN%F8!61N M2O4@@YP0>M7;G7_$\-UJ^A7ZZ8M[_9+W]H#M M3QM,$>1:Q'+=MJ=O?MY5OLAB6)U811KDD#Y>)\.3FM. ^\-&^)42:LUR%C?2I M-,03GYW#;LY]L8H X>P\8ZMH7@_P=;7=SI5K[OT]'_M*_$AA4+&FQ&P1^\8 M,226 X/6O0_#NH7FIZ)#=7T=HL[%@6LYQ+#(Q =&'8C!P>1TKFK+PGXFT[0 M]+L8=:TZ8V%N;-K>XLV-O<0@*$++OR)!MZ@X.>E;7@_PT/"VCRVAFBDDGN9+ MJ3R8O*B1G.2L.9.U1@ #\JZ .=\5>-M6T*?4G^T>';&*S!,%KJ%SFXO0%#94 M*WR9.0 03QSBK#>+==U?6[#3=":M+",7FCQ:H9KTNPB#,1MPN-W.TIGV[&;P# MJBR^((+/4]BM=.FEEN5=@=QB1<-&K[@-HZ D<_[*UI#]\)3FM.?R7B2_ M9=$BTLJL9&XHV=_7@'T_6@#(M_'6K7VG:,9V[C9KXGO-0N;!E=V-O&8"WF2<_M?.5PHP.#ENM.\"5#\1?%PU>.V6Z6VL!NMBWER+B;# -R/3!)Y!Y-3?\('=6 M\,=Q8ZG"%]EMJMUJ-K,\):/$Y;=$ZY!(*MC((.0"'*T?#GAW4]-U[6-9U;4H+ MNYU*.!#'! 8TA$6_A*[0"!U. M>M:VL^%-0N/%Z>(=- N=.\TV@&MC\"U;81@,6#QX92#5R. ^!S5"U^'M]8V,_D M&M(V(L6NJ?ZS;WL62) M=0.XBN5:1< +-NW+AN&!SD=#=75Z1KYJ>;UX@TZZB@#:4('BSAV>$.W4],GCV MK+O_=KFK:7>&_UV)M3ENK:Y@"0M]EMS"P956.MGYB#N.N/#/A2[U>UMDN9X7A5 M87._^^5$(SVX:L'^W_&J^)_^$=:.UT+[7-9_;8[E3+Y<*!]C*R]7:,)7!!4>- B;$6[E9'X^9@3MPO'WN MO%+=^.-9TB#5H=2L;-KW1WMY[HK?>Y MPN-.U2&/5;"\N]B&66 M%)'<.6>-U# X^]R#U7-:>D^%)5FUF]UVYAOKW5XU-M@N%AB,<20]K 1]"2DU0W%[J4;QR7TD?.-@C3(SSM15'7U];W=)\.OIOB/4=5.RLBW M=1;6XC"8*^4YSGG.\ 2@#GK+QU]NNV'A^+#2,*TBU75(IYIOM+,T.L-.M%P6RV !D>YK8!*Z]]VJ:GKFG:QV.L%QI<\<6;9F*R!HP^[GIG(..W3G&:Y,_-MT>/P3:>&R=6-I?6ANHTU&2S,EHR2/YABF 8%XN M6NXK^]C,-V8#"LX2)5+(AY" Y4M :XA\? -9>*+G0[34=*TYK.%))YI M8G*B1G!*HB@@G);/&1Q3(_B/(?#.F>)WM(3H_G/:.JT+&1K9@Q02(1P\>X M#MG@ ^M:FI>%]3C\276MZ#>6.4U!"D5W!? YQEC8HDZE64A@#@CH>*CE\$7% M_9Z3IVL;]=0T^U=I2R@\!PU(D)R$YSA<[* *=SXN\2)H^B74>BYD M76M;CY(C%O;3LP.,#1NR-(1_%A0Q [''7FDOO'E[X8BUN#Q%,6DEW]H]'>0/9E MDCN$DN>'=7T>S*Z39:IO\ L^NYL)Y(2Y@A\F7;')S\ MXWZEX>U#^T0XC;2+@NUO{EMK@DY! (##'(ZZH/$NHZ9:MHD$MG<''*/3K^5H;F\3 .^-R0@!R<##=.<4_6_B M%)!XEU'2;+4?#VG _-G!!(^L7!05R,N[:@!& 0"QSR>G%6/$7@K6->34=.F MU33Y]*OI"ZF\LC+ <6@;&5B;U"RC2_2,7$6H6 MIFVR(@02(0R\E0,@\$C_&1OKS4M$M[]^BMH[A]V[(+,)8G) 9&'4$ 'U&<5B3^&=<@ MLM/BL=;ANC!;M!=0ZI;^,#=$D-O*]1M8'..HP<>]2>'_ K?>&]!MK&QU"W5 MFOWN[S,,,8V1R2T<29_=C)&.3C'O0!6+'A-R2W7^_[@?^AK67X7VF7"S(]RXT](TC91D'<&.#QOQUKK/%^@MXG*.AHJ7 MVNXP@E*[@O MS],C/2MI1A0/04)Q;V_P!IMHHUBYV$)<&(9YST&?K4LFO M^](,9ZKHNCVVE):Z,Y#2SWAD+,)$W84+W&#S]/7-9MI\/=66WI=NX!<9(XXKK--T)K#Q- KFKF<.NI^1B,+@Q^6A7 MKGG.: /*=,NO$$OA_P "W!-K=WKZU<_9S*[@'*SAC(QR3@Y/'8 =>:Z^X\]?: MAH%EXE77[:SDO-&6W9&M';,*<3DB,'?DIA@6UTC M49KNV'6Y5V219!M8[B,@R=0.@Z5;U;D]Y'K-WXCDGO3&FKPVB1F-/FMW@+,K\ MG!^9@<<<=/>@-#-T3X@R7'B.RTB\U'P_]+-7\,\('Y%2Z9H7B#*:U8+O5] M6LFAMXG1(+"T.(F9AC?(69N@Z*,#)],#1!6\+_#:#2=(G2?5+.:(D)##E7;<`M,]YX!!(SGCKVH ZVBBB@ HHHH **** "BBB@ HHHH **** "BBB@ HHHH **** "BBB@ HHHH **** "BBB@ JEK%\VEZ)?Z@]"1K6VDG"$X#%5+8_2KM8_B MS_D3=<_[!Q_Z+:@"SH>HMJ_A_3=3>,1M>6L5P4!R%+]&QG\:@MO$^@7NI'3 M;76]L.GO@2#;QW*-)D=1M!SQ69H8)]D-W!X(S&IZ(T<>]6,+!VEVAS9*3C$DI=B#SM.0I8GO0:!)=^)=\L+\V- MYK.GVIV$+F"6Y1"XSD@G,.CZ[$&(IORSWLOB>$F2.5"[#GHH4],5T7AO3]2[M^(1FN;6*9X?#EAY9D0-LRTF<9Z'@4 =L_B+1(]672GU>P746(M3<()23T&W M.:\/A3;X.O=$U?Q@+6VJ[=R"]3 METKS;][@RD]Z'S07)X97 P!CGBMZ^DETKQSXD;6? $&F:6;F*#R7U/3Q,+F 1 M %8R7 X;=E!GDYYS0!Z_+<00VKW,LT<=NB&1168!54#)8GH!CG-<39_$W3[^ MRT"'^A-LEKJ5S-!<-)Z>ZP3O:ZK<)=P,H)CE6.9@''],* M>?:@#V"RUS2=2L'O[4[.YLX\]YX9U9$QRK^.71F.L.9@]3KJ]L=M/*@'\"(]VYMY&"<9XXX&:/0/"2B>S\7 M>`X-6LR@63(>)90[1$'[K8Z'&#CWKG= <^(+Z3IVF])M#&I:A>20+YNH#[/%& MI?\ >,P&?X ",<,<9XJ;X275I-\.]MX)(S/:AH;J>&CD#*L.QP17*:-#'-M)IW@G? &K9\1WX.Y<\;K]@#I'/Q+K]QX=T2IO6MXHI;JWMG4,0H,CJA(,,\9R-M*VKB[MK3ROM-Q%#YL@BC\QPN]ST49ZD]A7(_$X?\4S9?}A:R_P#1Z5K^,=&D MU[PK>V5N=MX%$UH_=)XR'C/__'TH_#- &L]Y:QW0M7N85N#&91$7 RQ?ZQ+>X21E^'H!KRR=&.QKX+\4^*[> TG$MY;1 M65K;[")!;O%9GL51UR8&5<=]HK9N- 2T#7/%'@]?"4EM-<6D[/,UFH M[3RF#) M)C[F6*.*>W!@M,]^\TQVWF@LPCNV/BN:(>=977B335!92!(A\AWMKK%AT,H\TY_B(X"6@#*UR'7]'N-/3 M4(=5L9+)W$:W"W"&,N3@+NSC.>,5DW?B^#*R,]\TNYTV_LH=.GO%,*!5G=XST M"C/R=06[' KRM%AU#3=>MY9HIV"?Q1HQ=EMO)297,0+!.<*V#@\Y'.3FNM\6 M6T-KXJU*&VACAB'A"^PD:!5&9%/04 =WHFLV^L:=;3++"+I[6&XFMTD#-%YB M[AD=0#SC/7%65U*Q;SEO%O;D^&O N$]A TLEYHJ:5)&-NDJ_0>V)'^_N7/^W7HWAS1(!\,&&D B06\ 21C5YCGEV M/U8D_C0!1T#QOH^M^%(_5+7EK:6AR)?~5+ <*YS@-C!Q[BM2#7=(NM-_M* M#5++*6QW!? M*3J8]Q(&[,.Y(&/4UXE8SHWA+P+++'?VMI:;9<7$6HS3VWGQVM MR5/EF9,K@\L Q/!8&K,JP07WASQC=1:M'JMO=3:?%/+:60@M9)!.@)1@[,VV MD!B/;DT >N#Q9X<- J;H:]IGV<;LR_;TV_*0&YSV++G_>'J*7_A*_#I-H/[=T MW-Y_QI#[4G[!G'R\\\<=^*YK5=(TY?B?X3A2QMUAALJZ1(UB 56_<@'&,9P M:Y*TRQA^GQ$ECLX5D&KW15A&K,&N=2N/3!SCTR:./4UUA(M1U,*]GL(+6T,M(5_M(W@N.DBGF3@+ZYJ73M?T?6)H=U-6RO)(#B5+>=9"GU-/%>6>,8EG'Q M#BD7ST]3MT._]@MEV&54\HJ@Q^(!F@#J?.MQ/H%WJ9TVWUO3IKX$@VT=RC29'4,0JV+C3-,N"6LE+@'S96KNN@2:=X\TNV95O%UJ&[N++=8M[FSQ!N?8,%DX)(!Y*

MM7\BUURR6VN(#;!RKJA175MPZ_=QSZUIZ=X96PUC5=0%V7.H6MM;%/+QL\I M7&T&[N+[0{6ZN;BRN995W&:QW>2XR<%99 KL8]O7@("">>C4 30>"5@\/>&=)^WDC0IB&<2^5_KO+5 MEQC/RYW>_2[P\$;K:0W6G:3XFEL-&N9WE,"6P,\&]MSK%+N&T$DXRI(SP.T/ M#OC;1-

>CL;=-4L6U6>V262TCF!96!F4#OC)R.HQS5VX\6>'K?5UTJXUFQCO MRP7R&F 8,>@/H3V!Y- &LB",-4!0A0 "O)/XD!,=110 4444 %%%% !1110 M4444 %%%% !1110 4444 %%%% !1110 5D>*=!B#PMJ M>E9PIS;LL;!Z?W7QE#^,# ^\UZ* /I-1UJ2TC^(4-(=E+#4KZ232EQE="$,JM:A$) M'H+E=?*

QKJGT(Z3X@;2;2)W2W\&R6R%5/SL) /S)Y_&NXN/%/AZSO_L%SKNF0 MWF<>1)=HKY]-I.3^&9+35M7^'4T2B9;+1KB)RT9_=3(D"D M6SI=;JD<+*G_ G%C( ]\8/D%F_/.37K|% 'ET.GQMX_^)S-:@RSWFHN=@K2HH X/5_L@^*\%OJ(*VVI;%)91[ME.V5S+EDSC&=N37!P+]<%FOB"[MKAY_!4EOIZ|%.Z94=TG9?7=$\9_"O>*16 M5LI6!P<'!fT >,76E:AHD?@S5+V^;3X_+NKB|O3:B=;>[N")"7\Z9RN!:NV.V M;;) +G1]9U&VO;O48[O6]-)N39K!#.R2H&>(_.,8!; !*|Z]|HH \]\2Z=>_M1>*

{OPO;0R_U=XKFAN9)$!VPA/\ CZ&>Q=$C_%S5?4GDT+Q_XCFO]>71(++V. M VKR:>LZ7$*QA3&K'H0P,Y!UW9PZGB@B! ,DKA5!) R?4D# MZFGNZ1QM)(R]B@EF8X]DT W3-';!N R[255W10@) XR0<5OVWBKP[>W"6|I MK^ESSN<)"%>1LS'V .36O0!X]+RPMOA7]/A"\MI'\42&>(V7D,99KEI&*3 X MY"*MOS@

=>*]CLTFBL;>.X??,L:K(WJP')_.IZ*/.-1L[74?'_BG0;YC&=: MT:'*VW($-=|--/JQTNQMM&-J-0>U%Q&ET7#2;L\(7Z[N^'*ABTZ*ZT]Q MF62ZO{2|\7V\Y>>S6".7Y<,Z("?

D)'4@9.>*]HJ"[0+73[5]HN8;.WCQOOEF M<{BX.!DG@>':)223Q=XL6W@8M<>$MH"+_K'W3 +W,,"L14-8BTOPKX>1 7 MKT4 >;76K;3XG\0^$@_#*^9-

871FG>,%D%L;>4RM&^0-I8E1M]O:N8_MBUC^_M%-MX7(G.M6]_$EQ:"%]T(6\#EFXP%QC\Z'(KW"HI[JWM1&;B>*'S9!%'YCA=_M(GHHSU)

[*@#D/'"ME$/"C6Z>W7S6OK=5D9.2HMTQ@_4FNNNDDDLYTB.)6C8(M?0XXJ:FNZ1QM)(RHB@EF8X {DT)+/6-;U-6U9\QZ=IB0R^79!A@Y8J M

TI';H.@XKH;R_UOP9I&HZWX@UF/5[6&+|U<]*.AVSG..G'7M79 MT4 >6^&-7LM2'U*'Z\87=K)%91&WE%M8C;6"+E1GD LQY,&!Z5071/%N MA^(_!MHZ;-+

(ES=2&=6F8RR-"QDDE)'WCDXQWP.E>PT4 <=J_OQ((#_P"4_D:W?$H+>%=850238S =_D-26FCP6FKW^I[WDNKW8K

M,^/DC085%|%R6;ZL?;M"@#RV+2X!WPJB^Q)MB*,R^7)T_9&;)]#N /UJAKU MG(NO>{[@VDLNFVOB+3KN]BCC+;X1;IO;./O ,58@9^Z;]AI"Rj5!8 L<*">I

MQGC\C0!Y5KM];=>=>U#4_#Y-Q:VWAV|@O+N)"$D9@#'%G'S;_<#HFK<]BEO MX=^&8@M@AAO;4';F"@-L^/)ID!?>O1YYXK"2>>5(H8U+0215%R22> . M].CD2.;))

(W5XW 964Y#]"#Z4 >,W9@NM,UG1HHR]P/&4);.&7QW?K+97-Q;3>%+B*:.T4>9*OFJ-J]MV"<#WKT2B@#R?PG]DDG MBO0[.TU.W\16B6\]>=+I_E76EH$&

[KQ\Q"]00":|8HHH |>T>Q^T>'OAY#< M6Q=%UNZ=D=,@8-P02/K@UN1ZEI?A7QYXFF\08M8[]+0 M^X[>]W X->B,RHA=V"]HR23@ 4M 'D'AC29X=5\ B\L9(DC_

+6G@AF3FWC=_ME.0(/W2%(P.W3M3KO3HU_$\K: 22ZC=$8CY?$<97'KR21[DUZ[5/4M6TW1 M[<7&IW|K90DX$ES.L:D^F210!-:Y-G!G.?+7.?I7

7EIK/B;XD75WI>H0V$& M@0"TBDN+,SK)-*-TI4;UP0H1<\]37>6.HV6J6JW6GWEO=V[<++!(4_B.*LT M >%ZO'/X=\)^(?"6L#

[;#:ZA9WUN8H"BSV\URA=$3)QA]XQD_>%=+jE_9>)?-M$\5[X>)FM[*1KV*\N(XF5,.]^7"20.L"K-M[8IZ[S7]$M_$.E_8+F26./SHI MMT9&.O%Z^$-

&BGCB$MW=2B"W#A0+0GJ[[03M4<MG'\X ZUSN@>)/#>AZ+K6M+]D^M:L0G]I>ET M4 >8>#M>TC7?$D&IZMJJ7/B"=&CL[*.*40V.9&612R@o%R!\SGKC XZ^A:9JU

MEK%L]Q8RF6*.5X6)1EPZ'##! ,/!%7:KV=E;Y$316Z;%>1Y6RQ8EF8LQ)//4F M@#G_ !UXN7PAHL=PD(EN[F406ZN&V*QZNY4$A%')QR>@ZUP[V^F:[X(\2P:1 MJ&)-(D>:

M#37FOKZ3RV46P\ED5'R.'+/]WK\IK$@\,Z%KMUN*^U[46M=,M+C=8.5]GE)E M=3\LTY"X//*H.!P3DUZ_10!X]X\T+Q7;.+XIU&7^R.J*^DC <&4SQVZR+Y<: MC&T

=3ZDL?2O3+?5A!<6&EZK+"NKW43R"-W5S&VS&[:Q'&,CK@UJU6>TM9K^_M*[90UQ;JR(=Q^0-@GC.,G YZX^IH LUQOPR1X_"UPKHRG^T[TX88X\]Z[$LJ MLH+ %N

">M+0!Q_@+WV&F6'B."%Y9M$O4N62,99H6S"H_X'\/\ P&=>*}Z0/ /A30/L,\6K6-_I\U!DGN[E36 M8G3G3-%*]L23+,3N,VX\L),[@??:G?$9'DT"Q"*$S;O8G &>=/M"5UU%-'

MF[MJVE>&/%'BU?$H\J74+A9;>22%G%U;^4JB-,.[BI##;UYZXNIX(%QNDE<*]Y.! MDG@%-$L]5\-ZI>:S98M-0U:XU.!;@&-XXR< M(_8H2HSVX:N!H(!!!&0>H-'E

D^QPZ9JXNO[*TG5;D6RW$82/[*81Q.8s!<-M%4\QQN)(_C KNO!E_>ZIX1T^\U EKF5&S{4V&10Q"OCMN4*WXUN%5*[2H*^A M*%4TUC3'U5]*34+5M11-

{6HF4RJO')7.0.1^=_')^*YH=*\>>'M;U52-(@M[MF'SRA9+:=]FUVQ|W*AE#=OQKD]8 U+1O'6K:,;#_9G$959Y$D02R M*"-0?E&{OM->QR2)%&TDC]B("S,QP

!U)-00ZA97,D<<%Y;RO)")T5)58M&> MC@ \]?7I0!9KS+Q)<1VOC+Q5;S;DEU#PT%M1L.)2@G+ '&,@$<5Z;10!YI/8 MI;^&OAF(+81F&^M =B8* VTF[/ID]?

>N0V/;^'=;\/ZOKEQ!?7%W<>=I<>E+ M+/=,\A*O&QP7R'I#9XQU&*]ZHH @L8WAT^VBE=WD2)59I,;B0!DG&1FIZ** M"BBB@ HHHH **** "BBB@ HHHH **** "BBB@ HHHH **** "BBB@ HHHH * M*** "L#0QQI-UI@77+^R)%U92/&PZJ=I^,\ OX5OU'/!%WD+"_ ,^(!M4$@\@((^F*OP^!=3T^W&GZ1XQU.RTD?*E ML88I7A7^ZDK*6

'09SBH/ %K;,;HUOHVH76G7&CO*]M^*M3A?Q>BWFG6JZ9=6\-O/>Y6.)'CC9F;'+'+' XR<"LO2O&NH_ MVW?Z>FKC5K<:1-?0W,FFM:E)(R!M&0 ZG<#D=,=:UV^&\4EI?

B76KV6]N[Z# M4!>.B%DGB "G;C:5X^]C&.*LKX'FFUB35M1UVZO+R2PFL&S$B1B-\'Y5'0@C M/).<^PH Q;??/$T'@BRU_4_$.D6W]IK;.IFMBJVB.1+;_"3-(1MPO SGMQ5*

M+QW]T%EXLCCU$:B=.TL7]G>2Z>ULVX[P5*, &7*C# 8ZCFNLO/!4<^@Z#86V MHS6USH?E&TNA&K\I'Y?S(>"""?3V-5)OA[]L?69K[7+NZN-7T_[#/(T:*$&3 M@HH "@

GCGUS0#7AU/Q18:IX?AU'4[2Y@UQ94.*.TV?9)!$9%*MN)<<&.IKU MXKE=&\0ZGX'[\$0+]OC>?4M MH:%=M.ZMI#N\:@##$FZ(Q_@ZQH'LI69F.!Q\Z MDN00V>.*

.;%/B+>Z19ZZ\)DFLO65@+NVO'T^2TW2%PGE.& !Y93E>Q/I4ND^_M--2AUO38;C4GU:"\+)=*FCS6WV1MI8,K,,,F1M(;GD'VKHT\%_,+?4T\0:M= M:LVH6_V5PP$,<<8R?

D1> V3G<$#UXSSC- '"Z_>>)?$'PWA\0W% .:"POKFUE_LY;?!AB-S'LQ)G)?A M=[Q[8327#3*6 M3) "[5R3U)/:H8?AS]"Z"H,_C+4WT=(!;&VCMX(RT0&-F\)NP1P>(]1,1=-

MY++UU M*;4JO3+V8PEX\P(Q,B*2#R\D GKP>*6|\5^(-%TWQ1:7-W;W=I%S9+#=BW"'M>9'.R9#(#C(!89'M716'@6QTZ319(;[X9],N)[ID)2&>YEF5E=G/I=Q/%+]?

M@>RU4^(?/NIU&M+ 'lO ,+0CY&4^N0#5Z4 +K&MZA9^,=-TNT1)8{C3[NX,1 M&"\D?E![N[#YC7->$O% ^IZCKEA::CKELMY.C&\TB\T|[2:%MN<0D_P"LP>#D

MG(R:WK;P3.VM1:MJVOW>HW4=I-9_ZM(5$;_$G5M(FUS0O#6KW*Q:?* M[7U^"'"=T; B-" #PTAS_ , -=YIU1<6<4R7-]+>,|SR*TBJH12.YOUBCPP&(8XP0$7V))8^YH \]T?

QKUT:[U:T0#]MCS6RZK;P0W.:*"&;*0.DG/? Y_2M?4-&BGU M_3M=>27S--AN$6)%SY@D"Y]\C8,?6@#F=,\97^LVOA2VMA%[5)(=24KGR4 M@RLXQY)DYJ/IZMGQYK-

_H'A'YU'3!$;Q)8$C$HRIWS(A![_!C6/X&T56\]2^(O M%\V*[LXM0F"6D%W&8Y%3 ,K[#RN^3)P>?E![UT_B/0XO$>C2;;.,|*/+%)O0 M G,]N-2ATEY"$W!4C2)-V#G=EF[M

=S4<7B^_O\ 3M/6[@AN)(?$=M9K=36+1+/$W(E5)!E'&2,CH0<=:[`7/#+:. ME]EKJ]AJ4VFZI,1M"L\<:R+)$Q!*.C<$9 (Z$&JB^"5>SM8[O5KR[N8M4CU. M2XFP3)

(AX4*.$3M@=* .5U#Q3XMBT?Q+X@=OJ)+71-2F@CLS.[C<1HX!#/G* M\' P.V3UXT;S4?$.GZM/I&KZA;7T&H;-=7*B*V\K[/\'M!4?W0_?GBMEX\

M$6UQX;UW13>3"/5[J:YDD"C,9D8,0/88]JGAF"5-8AU%[B1'BL9{((H&\LN-MW+?4;?UH X,P_]'B/PUX*\(ZE=7]K<;,.EE;26*VVTQ12!41UDSDL,J2",)

MQBML^*M3_P"$)\8ZKOB^U:5=7T5L=G 6+.S(IU+IOP_;TBTFRO->O+[2M*:. M2VLY(T7YT'R%G RRJ>0O;C.<4S4?AV|[*K-G#X@O;?2M7DDGN+..*,_O''S$

M.1N"D@$K]1GH BM|5\2ZSXR?3;/4;6SL;6RL|R8M>$ADW;D'(P"%/;,"MLO1?&6LSZ_9VNJZO:Z??S?1CFT:^L7@-CR0(FY\QONDW>D6=TMU#:31H7W*VY%:

M7&YE!_"!!-_'*S_$75+M-3U*QU 0_9;B6.TTL:1-,+E8V*_/,HP&<@XP<+QG M/-;W|L^)?}'B:\T_2K^#2[6/3;6]4S6GFR]\N_Y"'"0 ..>XQQU]J-X$G4WUK

MIWB*^T_2K^9YI[.%$)5G.7\N0C<@8Y..<9.,5M6/AZ"P\07NK1S2%K]U@MC& MW(58MV#GJ2=_?TH X?2O%?BB?2?"GB,\O+(VNL7<-1+\I\5M@('W_)'Q.[*Y

MQTYQVR:4_P 1=4NTU/4K'4!%]EN)8[32QI$TPN5C8K\RC_9R#C!PO&<\UV= MMX(MK;PWH&BK>3&/1KF&YCD*C,AC)(!.YJO-X$G4WUKIWB*^T_2K^9YI[.%

M$)5G.7\N0C<@8Y..<9.,4 4TUCO)XA\4W>G:7?!PZ5:1Z=:W@:6T$LJO+O^3! M(';G//&!UK!BU/6?$VI?#O4I+V&UN)9[V.18X-R[XTE1F&3T8*1CMG->B6A

M^"P\07NK132%K]V@MC&W(58MV#GJ2=_?TK&C\ I.Z?HD%E]UQ;W&D?4]Q#<" M)&W"4N75E(QC#D9H T/'G_)//$O_&"[G_T4U7O#?_(K:1_UY0_^@"I=:TQ- M:T+4-

*DD:..]MI+=G49*AU*DC\ZFT^T73]-M;)&+K;PI$&/4A0!G]* //AXA M\57_ (5O_&=E?6<5E;&>6#3'ML^;!"S-[Y,Y#L$8C P..#1>^.-62TU]"T$3

M:A*;*31ED3&Y+H!5##OM829/H*U)_AZ7MKS2[*2$;3DC3HYW.B2$ M,E1B3D>YP1FM&_\ |FGWWB?1=,WO$^E(T:0(!LD&"W*3?]F6(^M '+O\ $BZ.

MEQ;K#&CVIHH'I?T6WDSN=D<>?X?F27/T%-T?QGJPUC1XYM1;54OY1#=0)H\ MUL+0L1(=`88*AL*=W/.Z+2OAJI&FV&OV+&2XMI:FD>9'./+1LXC7'0 LQ'U

MIVG>$;^VO+!{_P 3:A?VNG\VUNR)'DXV@RLH!DP#WP,\G- %3XM)._PQUKR) MQ%MA!?Y-V]IY{5TOB'1(/$?AZ^T>YD>.*[B,;/'CMZ5/>S*#P"S$\]?EQ73^'M!M

MO#NEBRMY)9BTCS33S$&2:5SN9V(XR2:S]8\)O>ZRNM:5]UQI&/02RQ1(D M\8.0'1A@D9.#P1F@#,UTZ?X$MM=UW2(XAJ-Q%"6L!(%C9V?RDD*#D99@"1UQ

MZTRYU?Q!X2U32_[1PZK&L=S>2[4<*O*!,*,(%/S #OR((9I$"-M[7SEFPPSD8Y.,8]W<:MXLU"H6/8:K9V=OHDY6!&L_.:;$*R:7)887GJ.?F[MN>8;1M0U"PTS0+./Q-!'#?

PN-.N[4"WLT24,V;C8/-0 ': QZCTX|/M_#,-N M/$ %Q(?I9E:63('(LF)8\#UX7- '&7OQ"NKVZT:SBO(/)6YTB'4{BXCL)+QM MTGW8U500!PQ+'V

J>/QGK\'3.^41ET>^>.^#VS0"]M5P3+&KX*-M8"0E2/ M2MK_ (08VBZ5-I&L7%AJ&GV":<;@1)(L*@#HW&01D$8QDT_P#X0:.RLK.M^U6]O8(KPWULV!^V2YRH,LJ*

<$(!C@4 6O!NJZAK^CMK=X8DMKY_L;= "8 MH.B[V'5SU/IG'8UGZK?>(;SQ]_8.EZA!8V:Z8EY),UN)9 YE=,*"<'1+|+2X?[%<=B3BNH(^E

$&G^,M7FN|&L+DV_P!I&MW&E7SQQX64 M1Q.X=02=N<(1[AMP=G4C:0P8C"&/2H'^'27-

KKBWNM7=UVM_IVLW.FW=NC1Y11)'(C8)#1MP2"\@C!-8_P#PKR*/3K=;75K] M'58=0DU(:AY.$M.X*OE,,=I4XVC'06D\HF;36M?+DCVGY&&/#J0W

M09(XYYK2D^&\5U:ZTM[K-[JM;2R7+(@*20$E"J@;<=+!MQT'KS5V#P=&?#?BB]U&REM] M1N;.">P2TV@)*X3>'W9WXOUGB&JE3&(N6\F(AL MY_NX&/;-

;B>"9/"6C^'Q=RF'3)K>5)=HW.8G#@$>^*N:7X=;2?$.]ZE#[$K M6VI.)I+-HUVI+M5=X;&[H(@XZ4 <[XEAOF^*WA)X;!881;7C&,P!N%\LN,Y_B M!]L=|UG#Q-

XIE\%OC/L0,6*]URNDFVZVP8C!ESGS-HSG&,9KLM9\,MJFM MZ/[T&H2V=SIK2 ;(U=98Y-N|&##C.P TKQCO+?6#HGPQ2UU M*$74LER8)9;?*P1FW/(V@_.0-

Q!)')&>*]PVC9M PN,8'I7'Z+X"71SHBMJU MQ=1:+.,]FDD2*0DD9382!SC).>M &']OB+6+'1/%.G:E)9ZE<:3=6(CGDM5" MRL|\9^:/D;ER<$>QI?$/C#6=-|1:C;W.K6^AI#

(JZ>MH[M.W:[5)+W ^[EB MPP,.<#K72ZIX'MM4?76>\F3^UWM'DYJ/W?D%2,??;S4>J^'[K49-3AA\1?MO MNJ9^UVAC27[RA6$;,"4! Z<@'D8H ZR-

_,B1\J=R@Y4Y'X'N*\MM/$_BV'P M';^-;!4+.2W1@TVGI:X#P^9L)#YR'Q\P[=L=Z].M+:*RLX+2!=L,$:QQKG.% M48 _(5YIX-

\"W]UX+TNRUG4[^/3Q(9IM)EA53N64L%+$;MF0&V_KCB@^QA3N&1 M5ZC9:IJL,'B2SM)+1 UM86M@)Y(_R:LS%1\F3Q@8P.F TKQCO+?6#HGPQ2UU M*$74LER8)9;?*P1FW/(V@_.0-

;@96#'W^4"@#C?$_C? M5=+_ +:N(/$=C|HT|W,6F6M@]TK(G.)\1]QB,YZ!?>M]-7U_Q+XAU"RT>_M] M,M]-@=9S);>>TTLJ>9@Y(P@4@<IZ-'XAO(-&OY)96M8X8]Z

MM(2S#$",E=QSCKCC.*S=:M9=&\0RO;GQ'9-+90PR76E60NDOM@(_*[&\J1>@ M8X&#[4 067BKQ7K.G^$[>"[LK_U>2_CNIS;_8L7DN0"JY&>%QR>^35G7_$F MK:?

J%U80XJLK>YM;>/RX+337NYIWV9147/E@MT4=NZ4MT_D$AC^_8G#'U (_'-?YO!.W]IZK-9.]=V5GJS^9>6\-4;,6VA"4D0 M7(\<=L+4 8UEXG\)1^)+GPQ!87-

KIZZGH[7]W(8/,,.QC\V"25LN&Y4'J.HS6B?!FHV'B;PS9:7 MJ-Y;PZ9H\\"Z@L"NI.^,!'\&TY7/!'^7(Z5OP^_[6.WM!)?W$]W"]IZM<74@ M7=<3!2N"_%7!`0 4 &@:CK-

OXPU'P[J]|#] BLXKV"Y2W$+ .SH48 D'E M,@^]3;_?R6WC3PK:I!!(+E[L%I(P77;"6&QCRN>AQU%:4>AQ1^*Y]>$SF6:R MCLS%@;0JNSYSZ_.?RI-

2T&'4];TG4!G5M,,Q5%Z/YD>PY/48!SQ0!POAOQE MK%YKEA:ZKK%K:.A/*RW6BWU@]L4&#CR)#GS"#CN0PSTKHOB@&S_M$^Q#K&5M]DGO/LT;+",=\YS6SX>T"W\.Z M<]K#--

<2S3/<7%Q,07!FE+AI&J0:=&([,LIV MPF9W\HI1@D +USW&,5GM\2KW4+?0[43H5Q=6\TU[/X@U+6=+\17>G3Z@D<#33X!MK

M.WTDZ'[%QIEYID+P17{593+&YW.LBL-.EOF[8/(H ?X'\0WFN6VH17VZ5[*X M\|.\?RO;K^(;WQ^-^@Z9[,%A91Z7'>23-;6N3-T MLB84$XP0HZYZ>^1N;#HKZ-;SB?

4;K4+]YF,TUQ<$J:7!EW M;:I-IM[>21EM_EYPT,7\3-\O\|'/6LF;QIJ$_ACQ?#--']@TLVC6]Q=:<8?- M65AD/$XP<$'!Q@\&NJ/P]A@M]+?3M4N;?4M/GFN1>R(LK323#]Z9%(-.

!VQC M'%1R?#J.XM]>2[U]\N9M;6W%S-(B JT3$@J ,$#'MZT .GU#Q\XAU3Q#'H M]_+V5H.GV5(J;,S#=2^6KMO;(*K\P4;>>]JT/AK_R33PY_UX1?RHO_.;+ M-

JE_>;9K=WID>I!1?0PQHXD(7:O0L,HQ7>)K=*M-M(S6QX?I>/P_X>L=(AE:6. MS4&%9\$"P QDT >>>*\&NJ;8^MSV_B.6G8C.'H#@CI5K1+!G$T@^XQYST"^

MIJUXC\8.K:.G'YNH?V#IDEE%;,7;Z)+NR+6L=M. MAA2:.0(,!U5ON-@G..#QD4 ;VCW4E]HUE=2RVLTDL*.\EHY>%F(Y*$)\E<[*\ MTTF\U?

P^_B6ZANK6[U&]\1C2X6EM0H$KK%^\0@YVA<_(,XZ\UZGH6C6OA[0[M/2++?]FM(Q&A!K&XT_5K22ZN ;_%+^TTFCPKVTP';2A]B@ M//]:,75M1US1;F;0]8U"'4[?

4]+NY(+A;<0O%)$@+*0"05(;((/4$=ZYRQUL_M>&UT[63%YIL_D,BQYON;>N 3Z9Q7=1>"Y9[N:^UG6KC4KPVP-=19^"K@7NFRZMK]YJEOIC^99P2Q(@#@%5>1E&7-M8

G!X]:;_P /=,D0_$UT\I&O0>]1&<;8,KABGNQPQ]O0!C:MXM0>]J-Y8! METR/5_L/VF"S-S);PQIB278/O9E!?/. .AK4\..MJ?B+P[J T[Q)IE[<1S!+ M:^C MB&1?E)?DQM?

[PX[8.!5]/P4+3PWI6EZ=]IY9W&FN98KQ,,9',[>9%/#-MAB5$@[^]+9^$+BSM|6F77+G^V-4>-I]06&-2HCP%"IC:!MR.P]IADN18/DC!P9 M.$$I^(!\XT 6-

)\9>'M8HZLFX#>/=V-EIR7*7:>6]A 3$YW*05VD@<<@]R:Z'0?#&N0>& M]$@T_P 07^CV\%JJM97%K!-)]XM\S$<'!"X'3% #K#XDZ5#>;Q:Z[?VUI)9Z ME+:QA4U=!J_BO1-

#DBBU" .6.65/,2*-&EVH"=O MOTKCK?3IAX.^)*&SD\VZO-0.,F,I080%QO\W/3%&GO[ZSU6RMYY\G1(AH]J MJ?=IH7VBXO&P=T>\HVW8>BD9RQ-

'67WC&$7OAE339I:YTO59)Q).H+?)"'[MY7!ZY7!!!{CK57P'XKN_%MQJMV\U:&RAN'A@MHI9UD10[*K.[*#;@I. !BN3 M\(V-

]&G@I9[.]C>WUC4VF%Q%AXPRS8+X&!G<.1P2>*[7X>036WAVZ2>*2)SJ MEZP5U*D@SN0>>Q'- &GK/BS0] GCM]2U!(9W0R")4.1]@_B*]"0ON>*YSQAX M\33_.PI?

1M0LE?5L;K>2D9O<1I"%8[@<$W\E0.O>FG4(?" OQ \07VL070MM3 MAMFLJ*VDF4B-"K1?("5;=\]P\ZJQ=#TG4+5 ,]CS6$]M&VLW\9NY-K#@)'.

M45@/N_>'8G'6@#O/%.OCPKX2O=8N%6:2U@+! "HDDQP,,X!/Y5@'XCV$'B" MTANKF"+3+G2A=QOY3F5Y?-*%57]1@$=V]YSXTK9|>VL]{\/\ Q\;6T3S3R6$R MI&@RS':>

,YK!T%TU3X@Z}]T%O.;;_A'/*666!X]KB?!7Y@"#P>/3G10!U!\ M5Z"- 37?[4M_[,D.$N,\,V<;0.I,/&W&<][FT?7]+U^&673+M9Q$VR5=15XS MUPRL

R_B*\HNM@U*W@OU%_.VECXIOYIGM.82R1(Y8),L;*P903U"GAB175> M"85NO%,JZO'>ZQJ"/;16V2WCF*EB B+&A8KDC<1WQVH ZW6/$&EZ!'$^

MIWBP>B#XC>$C!++_,;?H@KQ^ M5)Y@R,@[-NXC)R\!CWK0N_%F@V.EVFI3ZG"+2\Q]F=,N9LC/R*II);CT"9&9-M M9N/BIJ%;=A&=%@C68IP3YTA*[O7&WCZ5O?

A:,;PXGA/6=5LKH:?#I]W9LRV M|N,25I]RLR@%@&52N<>F>M-'I<'BK0[K38=0@U*%[6:X6U1QG 6LVT(1C*MD M@8(%6+O7--L;F:WNKM(Y8,5KV12#E85,"_'I'KR[4;;

[O8]=]2VFFW@TR36]. MO(HOL[+++' \4$LPCQNP>O3)"Y]SK-]-D>OZ >Z;9WTEF?"=5;Q3O:R1B60M MG:H8 GJ.W)SO<1UU8'WAXW\-ZJ]2:?9;M#-6$]:?\.4BM"V:[@$@6,

M_NE^RR Y!]G YKG+AVMM&U*&XAGB.G>,$OI]9(653;M=]X8C##'/:,_MB7?BC3O#UO:6^OZC"NH/ 'D6")VSCAF"]&*IG/) ,FZIXD6SCT;5++:."XT6\ MG6":9#G;YN!%

(&SC:NPI_P!_/;GG/&?DYGBZ.^6_U?1+LV2QIJ5K,_:K>'-6N_LMCJD4LQ1G1=K+Y]KU*$@!P/ M]G--|=:;>ZQX%UK3M/R;NXM'2)0<;CCIOXI/QKEIW4[?Q5=^%++1=.O89[",

MBNKD2V)M%-KIEU,,/DZHZQV3Y/[YF&0!^_M7>EN_$NC6"WI7>H0PK8%%%N2Y(\MG *KID@C &3R*\FO/#>]S2ZSID=G,(?"R

MS7FDOL.))))EN(PA[E51DXZ;L5;OM(U2Y\+:3XB>,_M;C7&U>]2" 2SV\;* MR1MY;*VXHGEY&'1R0.* /3-.\4:}MI=7-

IJ,316@S<^8#&81C.75P"HP"IZK8;-9F\U*ZCM;8.J&6OX4%B ,GMR M16&/B+X2:*60:5%^Z8!D\M_,Y\((3;N88!.0"..M0_$BT>^\++PD);M/NU*S+ MH[%L])TW9'IC.:1++_|

A<$]X;=O+_L&.,3;.-WGN2N[UQ@XH W:;Q!I-X=. M%M?!2_VC&\EH4.1*J@%B/ID=:CNO$VBV45|)BB70++P/JE_9W<=E9RZG#*<,EN[F'S)&\LLJ@L =O7'<4^58]3B\4.

MC=:,K>5I+K5K<03VT+)<0*1* 7"H5)\&.@D)P>G% '7ZQ>1-'L_"JZWITZ7 MCV"X,#*\;"0C*JRE=RY]2*Z,3K>#+4]/@O;9\,R[E:.5S^'YKR:X.L:OX5\: MVL3RZU:-JJBWU)M--

M/:X#9B(P/-VC&"!U;>K:/?P:GI%K>6WF>3(@V^9&T M;<<<'*L 1R.XH Y/PU\2-*U"TCCU:_M;?47NYK?RT5@BE961 S'(5B%!P2,YX M'-

;VK^+M!T&Z%KJ6HI#.4\PQA&8PW22?#+52";Z1??VU?7 M-TD$)LY }2\[%9M^-H51@DD\;/I5RYAO?#WC#0!+|.MZSIZ7P@DMYK+3TN4N_ME6((4R8G(8,#\N1]

*[/>@#UF">*YMXYX)4EAD4.DB-E64\@@CJ*P+GQYX8L[N M6UN-7A26&0Q3#:O$+9Q\Y P@SW8@4O@33CI7@G2[,PW<.R,L(KPKYJ!F+!6V M@ $*

XP!QTKA++7+"SL_'FE2;=>3WMYJEVD,<-H\@NF9%4& ([''<$C ,>] ' MHFK^*M$T*6*4+|8YI4\Q(D1I7*?WMJ G;I]*B/B*VO)}!ETS4K"2RU*20 M MN9IPL;'$9' (*\ {NP{ZUP:R:IHFHV&EWIW/#!M|&M8?MUEI?VJ>^D4$.@DV. M!M/1<9.[-5U"EA?K;^"DEM+V*2#5]3.5QO8>+*?B1I M6EZ?=8=:.SZG#/"'(G5BA8RJK]&&*

*6"EC@'(QR.#7K>)K*YU+PKJ]C9-MNKF MRFAA.TS3+Z'5+.[L MWFBDLY(Q8B$@NS.0%Z J,$[MW%2?V;/_ ,*X^(<7V*3SKF^U)T3RCNESG:0, M9.<#%*

*'J/6N83XB>$7FCC&NVHWYPI;E3(&2"Y&T' S@G.;FEAETFR#@AA @(-M/4';*\ML](F'PH\)VC:?)YBZU;R2Q&$Y4?:F+,PQP,'DGM0!WMMXX\-W=IA89! _*J_P .'U#7K^[U_5XF*

M2ZLH$T9 W=XN9W"^])@?\ H Z?6M;N=.\2^\-.A2(PZG/-';7!+*$A9QMYV M4=<\5&WCOPRNI"P.KQ>>9OLX.UO+\S.-GF8V;L\8SUJHXG@GD\:->#)8H9)$A

*MNKDR.JDA70+#1_*@M LX9MS['2 ! MG(89)^M 'KFH^-:2#ND:@[C?:I%#/'M\T%6*Q;NF]@-J9R/Q$56B\96DOQ E\ M+ #>EHLXDPQ+.2Q*], !5!SGG..U<5XH9M.UCQ*

VG7&JV%_<-O\ L.DT[[;. M;J?+4 J IVIL!#\PQCD5OZ?-<6WQ.MI-0LI;:2_T&WB410LT2S(\CO'O (7 M/-XY,,5?#6M/;S7&GZ;>N]VD,9D9 |

*M3(LNT9)"L03@$C.:Y._U"6]OO'.KZ1H,EY%-I]DD2W=BQ2Z*M(<'1L 7"@]. M^P>HH [VP\; ^'-3G>'TU)7E2%I]C1.A:,=64,HW#_=S5\|Z]I8TRSU+[;&;,\ M:-;>49(E,A*

0#0DV%;>,Y\$US]/Q$\+70U35=8MHNEND9M.%M;PEH>%'/]+Z9=?\ "IX6EB; ?RO#-S-?P,>5<3#-NO\ P#?_P!\"@#T^ZN[

M>QM);JGC@MX5+R2R,%5%'4DGI6-8>-O#NI+<&TU)'-O"9Y$,;]_EC^,*0"R M^X!]G\1=/NM1\'31VELIVT5Q!<26]#+3QQRJHH!W)./'?&*RSJ$/BOQIX;O-

*M'M[HV^F+I=:%XR\32W^L:SIT>H2QSVS66 MG)ZG#'}IB\Z +ES,F0,H%!W M?>'3-4T^(?A.0VH36[=ASV5]JD<=S!CSH@CNT8*AMS!0<+AA\QXYZTU_$3MXS*

*MTS2[=K>73[S39KWSEY)*M&%*L#C:0;9J3TXE=,9K38\%H M\WFXMU_=_*#@\\ XSD^AK&T_PQK<5E\&EM!)#>-X7U" $YQ)Y(2&,,MT! (' M_ 3Z4*

>C6/C?PWJ>HI86>K0RW$A98@ P64C]$(=)\1KC5Q?1_ M8+QZ[X:\,^'--TR^AU6TNK-I8I+-XQ8B%E+LS MD!>BD#!.[=Q2ZGIET/'|OA.(G2-8O(M;F(^ZJ1_ZY#_*

+TJ0G_@9H [|\> M^%I.N)+>[U>&*6)PDJ%&)B) (+X'RC##DX'O5BP\7Z!JFK-I=E]<.UX%9@@B@ MX<*<$]V,-COM)KCYM.F.E_%(_8Y#)=&41?NSF4?9%*

*V_WN21QW54]SIMR;WX M?1V\$D1AM+B-G6,@0$VF!GTYQ^(H Z6/QKX;FU4.9U*3-0\=^&-*NH!;\U>*.>W?9,@1F,1P#E1*

[1AAR>/>O].T^X;PCI_A M:\O_!'!OCECBDTB'3XE6-UD#>8)C%C8"-^_?D^N37<:=82"7XB,]HX-U<,$ M)C/[U?LJ 8_O#)(^N: -6X\;6,/C?*

3O#RLCK>6C7"SKN8%MR!%&!C!#$YSC@ M5O:;]EE]]!]L+A9X-[1[USC8%C/[I?LL@.?09P.: .BG\;^'+?56TV75H5N5 MD$+##;$D/1&?&T-[$YK;G%]0\,:GJ'B$WTMQ-&

MVEVNG1.MUOD)$B3-$>""&+%\K@],"O;/:+2?))=W6#:2QRQ(7'/[: ..4\(?.M$?=2?TK2%N]0MHI6O8E+PQJRQ^.1DHK'(W?[.KZM74O"AO2+V6TOM5CBFAP*

M)@$=UBSTWLH(3_@1%><:=.-3^&7ASPG9Z7?0:VDEHS))9R1BVV2K(\Y#DEL=TE]HQ++A?\)&R^-KC2Y'METV+2$U#SR<$$R.I);.-NU0?ZU)IGC7PI[K&H1V-CJ;27,

*MJEXD:.T\U1R2A8 .,<_+FN!DCU*W$UW:,,U_(//5M&MM/ 625PIY1E/WB IZ=Z9;3W6H>,/!]PFJ.IJT$%SO)7;2_LMM;%H' 4?(#DGCEB!CG&10!W:?$ M#PK+=PVR:U*

*9)I/*7AMN . I;&%8GL2"-LZOXO\/Z%>29-1U..&<O0*SF- M3T9IH.P>[8%< -.+N5^ TU]MC,+IKQI#$(CO)^W9SC&?N@'/I6M']'A;Q%XL M76;&FI.ISK<6C16CS"*

*[C\E4$0*]1D%2-IQ]|/2@#]M4\7Z!HS0++ZE$K3Q^= M&L:M*6C_ +^$!(7_ &NE0:UXC6+3=-;1Y8+FYU>=(+&0'?&0P+-(<'E516;W MP!WK$_R;S1/%-W?WL^I^&;6_L+3[-*

'I]DEU"%Y;$-,D^4VTJ>0 #D^E6M&T MYM(NO $TD5]#:M>7ZA+X*LD.S(\)N50 N<-A<<;L4 =S]'C7PI[.H/8WVJ11 M7$>T2Y5BL1;IO8#:F/YT4GN&3D?

*M{C>HKS[Q.S:=]_B$Z;<:K8W]P^_^S)=.^VVFJ'RU *@*=N[4_,,8Y%=)XD^ MT7=]X#MG@6&_;45N9(DZ1K'_F >P+ ?B* .MU/5,#1K,WFI74=K;!U0RR'"*

*M@L0!D]N2*PQ\1O"312R#68_W3!63RW\SD$@A-NYA@$Y (XZU#\2\+1[?OR# E MNT^[4K,NBH6RHG3=D>F,Y1$LW_X7#/>&W;R_[CC$VSC=Y{DKN[<6,8.*-VV*

*M0:3>'3A;7T4O]HQO+:,;#D2]H!8CZ9'6F7/B71K.*_EN=0BB2PD6*Y+9_=NP! M5?H76F:U':3:S:W$$UO"T=Q"]O1A;A4()(&,XP3@].*_.OU;XAZ-;^%-6 MUK3[A;M]/3YK=E>-*

@Y&55E[E!]2,5TFEZA![JNEV]];ONBF3<#M*_7@],;@8.0.K8[UZCH5_!]>AV=W M;>9Y3Q@#$(FC88X.58 CD'M0!RWAWXD:5>P&++5[^UMK_ .VS6VQ%8(NV5DC# M-*

R/%8@ X)&<\"M_6/%VA:#6$9V5.FY@H.U?917<9^:,'N M^%AH|=9O[N\2WA-F^)VDF?9+OQM'KQDDC&SZ5.N:+>^\.^,=XANI>.XWP.4U2+V6TOM5CBFAP

:MHK!N_'GABQNYK6YU>%)HD)/+F&UB(6SCYR!A![G]Z3P%IQTKP3IEH8;R'<C. M(KS,YJ!G9@&"KQDDC&SZ5.N:+>^\.^,=XANI>.XWP.4U2+V6TOM5CBFAP

;/>@#T+5_%6B:')%'J%^L MF?:I[R100\0DV. %/1<9.[-5_#%AJ M?"226M|')#KVH-;B+#QADFPSX S MN'(XR>* .J\4_$C2M+T^[32[^UGU.&>* 1.K%"QE574,, L%+'*

,1CD<&NUN M)XK6VEN)W"11(?=CT50,D_E7C$]P+?X56WA"72;]MBNX&U3[$BN6E MTZ9/!WPWBCM)]M>6#2HL9S$! P8L.W)YSZUF1W2,3X%UPE?;?33ZY<2WB1

*MPI:.XO&F=RDH<#;C#+DDC;MYZ4 >N451T6GULM"T^TNGWW$%M'''V<[F50"?.MS%7J "BBB@ HHHH *****"BBB@ HHHH *****"BBB@ H MHHH*

***** "H;N[M[&TENIN;.."WA4O)+(VU44=22>@J;N7^)'_)-?$?\ V#Y?.M_030!TZLKH&4@JPR",XIKRQOO&CR*K2';@)P6."<#UX!/X5Y[K.NW<.I0Z?%*

MXCDL%2RB>\UTS3C>W+N0-M7 F-R1RJ6P."P7!'09XH |@HKR!_'6O:A!]6]V%UJ2207$R66FPZ'\/!,L; M%0!'F"$[F*GE6*

*7/L:Z&VU/Q'K_C>>SMM2.EZ=:V=E>26[6B/*3)N+1DM]W(4 M@GJ"!C'.0#NY)8X5#2R*@+!06.,DG 'U).*CAO;6YN+BWAN(Y)K@@DR*P)C) M*

8!AV)!! &N, ^)O%M?/:G^W+1W# 7@< >3S0!ZG17FMQXPO+[1_#=S)KB: M2=0TY,J6*RLVNKJ20A>$CV.%CY/\!.<#WJE;>,?$EWX;LU@O52 ;Q+_9!N;F M5V,T6UCN>*

(XVL..:6D:=N:/5ZI:GJ^FZ+!_;M4OI:R@SMEQ4GT!>N=\/ MWNL6GC/4O#Y!G ;<<=+E#>P7#P9}$ZW=&0A 1E,@X[UD>(<'V M?3(+%U\5LFIV*

*M#L\$TRPM*K*&Z(QV-M1TKK;5%M/C%>Q6ZB..[T2*>X51@-(LS*K'WVDC* M.5]"UO;6]$IM;B.80RM#)Y; [*7[RGT(!*Y?5K[5]3\;+X=TS4OL;AM[7L]*

*MPD"2R2%G**@#@@#Y6),.]!O7*:/J.H:)X6U;S]:LK"ZD\2W,5Q=F!G9LG++>3 M$ VYSCA3D 9ZXH],HKRNQ\2^)+I/%&GZ?]-U>7%C917MA/?::+:5R2VZ,H5*

*M7*MLP#M'4UL2>+=2UR]A/A@1RQOZ(VI/&X!$LLJXMXB?X>5<> M#_$U]>;_;6-_K]P!U+ [7&F:HOV29' !S"54!E'S9&6..RWE: M9J85V[R,T72=1*

*M6QBU"*Z.XE,"R.HC$9!4-QGYB.>.>AQ7*SZYXQ@\,>{)6/B"CMX=%M%O64?.M^F"/;Q.OJW(8#Y\-%PESOU!ZU39'2*-D&"HH+,Q. .]<-?>,KK0-0\21ZDP*

MECAL8]1TQ=H!=6&PQ<=2)=HJ?W@KH E_'X)9=5F$VH"P.[3(%"@R;#NP!QC. M. -:VN8+VUBNK69)K>9 \2MM4#;'L)EOQ;.C

*M:#S/L@AG"F6/"31LHVL&.00!G:/>O2M:U*7PWX/OM2FNKJKA[--,74]/7: <* M-LD61U,_81_OUO:,#X+S6W\Z_BM//NMBA?G"[F4 <<=/PH V:SFU[25*

MUM=%.H6]LF]6N\>9MQG..W'-<$VN>*;#P;8^-[K5XIH)A!<3Z4+9!LK M J/[>H<')!(Z5>\&V-Y%\0 &DTVIO.JW,"LC0HN[\'LC0HN[\'RX!F0;0=0=N. 4\T >*

*M@45YYXH\57R>,FT&UO;^PMK:T2XFGL=,:\ED=V8*N C!% 4G)&23@=*!1>*? M%.H6WA^S21K'\N]4N+&6YN+ OF:)(F=9EB<]2 #CIN![<4 >H5G:5HUKHYO*

*MS:F0_,;MIR7>V?WC@ X]!\HKSY[!QCY?BRW'B90?#WSQ3_88M]SF$2A9!C. M.X^4 G..T(-6\1>)/$MI96>K+I=E+H-MJ.IBMTDD$LC.,*7!&.!G((W1C&VMM<6\$]Q"-*

*MYSP6T5]I*E #(DHV+'(@=2)1CU^85%#+XO MU#Q)>.$/$*6C66EVLTL\=G&/[.^\-FJ(P%7)&.PQCF(@#T2BO++-)\2>*)=&\)*

M>)+O587BU>\AM9]/2U58U5]RI[P_W!V5SUQSC%4Y/'.O:A%j>IV%WJ,,V!Q-' M9:,;!H;=9ZJVC6D6FVEWM?>R)).DDN_*G>,_?+R"\)#&.:P8![5_$UQ M\.]1GU+[/=27=Y%

*(88$*EXTF4N P/W@A&.@SQ0!ZIJ-F=0T^:T%UY))))J:O44 %%%% !11 M10 4444 (1D$9(SZ5D:!X=MO#|=R8KB[N[FZD$EQ=7DGF2R$ * 2 !@ 5 ML44 %%%% !1110 4444*

9UEHUK8:MJ>I0F3S!1- Y]597(S&!VX%;-%% !6 M/IWARVI?[6K[5S78V;[F7>(8!Q81QC VID\.3TR>*V** "BBB@ HHHH M*AM;2"R@\EVC$<>YG(<=F)9B?4DDDGWJ:B@*

*HHHH ***** "BBB@ HHHH *** M* ']KZ3;:UIYM+DNHWI+')&0'BD5@RNI(.""_:O44 %4/I)MCKOL!.7>Y%O MG<#$;8D+;FVC'!8A3;VS\[!0<>@PHK1HH ***** "BBB@*

*HHHH ***** "BBB@ HHHH * M***** "BBB@ HHHH ***** "BBB@ HHHH ***** "BBB@ HHHH ***** "L_7=(AU M_0K[2,B22.&\A;%WCQN 88)&>,UH44*

*D:+8V.IWILVCW$L!<*49P)"^Y&W*01AR.F? M>NQHH XZ\ 1N;VWM-=U.RT[_E::YT^ QA&9CE[KE2ZICU"GN<8S6W8^'!73*

M]=O=5A>3S+N"'"W:,D;46+=MQW_C.)/#\7B/38[22ZGM9(;B.YA MG@\[XY$;<@#K3[+X?:?8V\4*WU]*(] M7&L;YG5G:;;;@@G'(/)/?)KKJ* ,R/1((_$\^O"20W$UI':-&<; J.S

*CC.]5=;\-+]M_;ZG;ZA1P1D5NT4 ,8QC'&*O:'X;72+Y\U"YO[G4M2N MPB2W5P$4A$SM150!549)X'))))K9*

M$3G8RNK*0#R.,@UE1_#BSMM/@AM=6U&.\M10DU&&^9D>02N,/D%=K @.1WK MM** .5M/#R>&;_4?$DEWJNK7TILD!B1%D="J\!="37=T4]7?$'AI-NU@

M5<$$$>U;E% "?\ "O+1[?7TN=5U&YEUVW2"\FE9-WRA@&4!0%X;& ,<#BM* M\!*P76OV.KI>7$,MO;-9RQ$9+BDHX/(<=1BM^B@#CK3P!';K:6?\ ,NJ2*

M;-9RK+;Z:S(S4]BENPSG%;VCZ)!HTFIO!)(YU"!>]DWX^5V55(& M!TP@K3HH S+O1(+SQ!IFL/)(L^GQS1QHN-K"4#GC/&P8K-F[%V,^A;_1+7%*

MP(=:GEGG<%=R&0"%XQCY1US72T4 -<%X@T3_ (23QSH-L=,O$MM&YOCL63,1!CVJJA0% M(<&/7-=%_9J3Z*=,U"1KZ.2 P3O, #,",,6"@#GGH!5VB@#C;?X?K'=:2]SX*

*M@U6[@TB99;*WE,>U,*5 8A 7X,.DY&/?1[W0_P"WM4CT2Y.1Q8O^ M4 C.Q8X?9O*AB3@GZY%=S10!P'B;0CXD\4^'M.,3KPP:5,+FYOY%"PR1A01$*

M#GYBSK'D8XVFNI=%D1D=0R,"&4C((!=10!QD/P!MHXK;3Y-9U*?0[6598-+ MD*>6I5MRJ7VI\13@A2W8=<5T&G:)!NK:MJ.4DC2ZG+'+*K8V]4C5!MX]%'6*

MM.B@#GM7\+?;]8CUBPU2[TK4EA^SO/;JCB6/.0KHZL#@DD'J,FH[3P58VATA MQ=WDTNG74MWYLT@9YY9%96+G'^T>!C&!72T4 81\+6A?Q$WGSYUT 7'(_=XB

M$7R\>@SSGFN7/@[4$\=PMI^IZAIUM92[!;V45[$L,"0K(^48.I4G&T].]%HH M YFS\$:,8G1C#-V*JW/@"-VOH+37=3L=+OY6 MFNK"W,>QF8Y?:Y4N@8]0I[&,UV%%*

*&38^\[73]=N]5A>027-M#;&.D.56+=MMQWS\YZGL*QQX!M8M+TBTM-2O;.72Kj6YMJE-A?.A.][<7(N)C*JS$$0C &Q,#[O&>&<]35RBB@ HHHH ***** "BBB@ HHH MH*

***** "BBB@ HHHH ***** "BBB@ HHHH ***** "BBB@ HHHH ***** "BBB@ M HHHH ***** "BBB@ HHHH ***** "BBB@ HHHH ***** "BBB@ HHHH ***** " MBBB@ HHHH *****

*"BBB@ HHHH ***** "BBB@ HHHH ***** "BBB@ HHHH ***M** "BBB@ HHHH ***BN;B&SM9KFX<1PPHTDCGHJ@9)_*@"6BL6^1%:&!UKI] MQ=:C&D>H@&TPK,9@0#E5*

*)O@CG'&16C?ZA9Z792WM_=16UK$,O+,X55'U-_% MFBL+1_&?A[7[PVFFZI%-_8 D>XS6[0 4444 %%%% !1156; M4;2WU"UL)9U2ZNE=H(CU<)@MCZ9'YT 6J*** "BBB@*

*HHHH ***** "BBB@ H MHHH ***BAN8+DRB":,?RG,V,ZSVTA8+(O0E25/Z@C(*M4 %%5=1U& MTTG3YK^_G6"UA7=)*W11TJU0 445F-XATE2X;^C!CO%L&Z\3MC$?*

*3J=P_,@-# M3HHHH ***]Z?J-IJMH+NQ6>_LR!UZ95BK#\""/PH M445%)VFCFA,.V2-@RG!P<$>XH EHK, MM_$6DW36:P7T;F\DEBMP,_O'CSO XJ;6_*M.@ HJM?W]KI=A/?*

*7LRP6L"%Y9 M&Z*HZDT]+NWDN#;I/&TZH)#&&&X*W>XGE2*"-2[R.P554K*Z*Z$,K#(((B@!;.M***

"BH3=VXN6MC/%YZQ^:T>\;@F<;B/3(//M3K>XAN[>.XMI4FAD4,DD;!E M8'H01U% $E%%% !1110 4444 %%5-,U.SUG38-0T^=9[2==TT?9,45M]MDC 8C!Y4]"> E &I1110

*4444 %%5;/4;34 M#*6XB65(C.T98;&.K8ZX]Z6 MSO+?4+&"]M)5EMIXUEBD57(RD9!'X4 3T444 %%%% !168OB'26=%6^C+\>-8 M^%.>U9U)C^HVG\]TZ "BBH'O+:.X-*

N\\:S>69O+++#=L!P6QUQDCF@^>BJ]A?6 MNIV$%]93++,3H)(I%Z,IZ$58H ***** "BL[6==TSP]9++>.K=I,0,XC5F!)9S MT4 DG@\ =]LF_M$M8;I]B..&8H(WD.S<7P%'/:

+%%5;?4;2ZO;NS M@G5[BS95N(OUC+&4'Z@@T/J-U[<6G-.HO)8FF2+NR*0"?P+#\Z +5%%% ! M156VU&TN[N[M0)UDGM'5)T'6-BH8 @0?QJ:>:.V@DGF<)%&I=V/0 #)-*

*$E M%0VEW!?V4%Y:R"6WGC66*1>C*PR"/J#2PW,%PTJP31RF%_+D",#L? .TXZ'! M!QfT 2T444 %%%% !1110 4444 %%%% !1110 4444 %%%% !1110 4444 % M%%%*

*!110 4444 %8_BS_D3=<_[!|Q_Z+:MB]J_91:EIUU8SEA# ^=0!Y9I>G33^OAO*NJ7L*G06<1QB/:_J09490G#9^;G/ P171 ^,D2Z\ M<^"+*[,3WN;F5T?*

*{C3))%F+/N,L1[BMZU\+Z?:7.C3QM/OTBS:SMLL,&-@@. M[CDXC7T[U/KV@6'B/3A9WZ.56198I(G*20R+]UT8^TBZU8Q M)=0W86PD9RC>ZG]FK75J"+9M0G#K*

2,$JJJHW$ M<9()J"X^>EW#7,0O=3BTRI[F,UQID5P%MY&)RW&-P!/)4, ?2@#,T^^U?QKK M>I?9M9NM'MK"&V\F&WCC8O)+$)2TF!3E1N"[1C.#61I,M^)=YK4\1Z1&?

*MY(U#2O0E58G&#,M KS+'-&KY"** KNH+ -<#)QFM30,S7!M(FTRYLW0=3LTCEM9P1@JP4*PO.'#@KZ&NCN_!>D7R:NEPL[?VI/"=3+!$>2(%4GCG&*

M>!S0!SW@CQ+K?B;Q#)87FH0(FA(T-V;?:?I1EW,@D"RQ@)GC'S$C8,5T&NZ MG>6OCCPY90S;;>YM[UYDV@[BBQE>2,C&3TJS;^#=(L+G1Y[&.2TDTJ%K>$PL

*M!YD1ZI)Q\PS\WKGFKU[H=I?ZQ8:I,91<6,#_"_BJZ\1W-S->W5K#<6;0Q"!HI9 AP NX/R#NSU[8XK9M6\0>)_[=U.U M\1RZ6;& GM+*W6.,P*

*0G!;,#M 3,2PUIN@AKC[HTD,L)WC M>3$P9NZ3 MK-[)K6K.SI217F+2Y%E'IK6^1M$I5=P9AG))7?!/& *[OQ;]3:9X70+N+4H= M/(, 4XM/OIC/=:=%.!!*[!+9& MW< QY(#*

*&MK7=!LO$.D-IMWYB1%D=!@;8\3H0RIL[$$"@#@--\0:I;>*181W MVO3V5SIES.#K-HD3B6/;AH\(IQ\W((QTING:AXDM= \&^(IKQ%N:M_P#"):=_8FC:3NG^S.1++!+;G>-*

Q;'IFXXYZ<] .2O/$^LV- MEKN@&[+;\-3CM-.F9%SY5P=T;XQ@[%$F>/\ EGS72>--5OM$\-Q?V?,%O;FZ MM[&*XE4,(VD=4\PCH< DXZ9Q6?%HDVL?$\>*

(+K2L.,#2[9[:"69US=2%F =0 MI/RJ?:!.#^\Z<5T^1Z/9Z!H4^FW\9>WF SM8JRD$%64CD$$ @^HH XWQ!/KW

*M@C1]1OHO$#:G&UNBPQZ@J>;'.\J1[P4508QOR01P0.>:FE;6O"OB'089=>NM-M6M]5F>UGCNXXP4D\MG62/8HVC*D%3G@U11^-=+D%V=5N;[6)+]V-HTE_*&9(*

M2@#D-"UW6K,6],A1\KK&GZE<7'E3VU[9(UC<$YPEO(B_*(%0IE;(Z\<< 5Y=E\/M-LY M;)?!0U2>PL)A/:.?/.&@A=?ND?+N(7/ 9B!2S?#[2YI+YA>,E'!JO!?H(YP!

*M;7'.9(N."\-8^WRZG:-K% _=M;M&PM=4M/(NI8,#D/A5%@<D<$# MCGDU"K:QX\3:.;P.!=:3:Z3*EM!':1QDO(8UF[O+Z_NE1;]\D#.47.U0% 4 9)P .O-5=3\&VM_JEQJ-*

MJ6IZ9KMIC7MK??;1;6)"7>"54#) MN!VY((X,?8C]/'FN7_ASPS:"QDE>]N[N"Q6=81(ZES\SA.C-@'_Z9(K3LO"6 MDZ==:5/9Q/"-+MI+.VC5OE".5+9SR3E0MZ9)9>(-

*+DT^ 1S$S*ZM&Y1 MXW4Y5U8ZG9I"+:S@@ JP4*P(),"#@ MKZ&H/!GB?6_$FMW%E=ZA BZ#$\-T;?:?[1FW,@E"'$8"9XO\Q(Z#%=':^"+: M*6ZN9]7U:[OY[8VBWD\ZF6"*

*(\D1X4*I/',\#FIH_!FDV3Z7-81R6LNEV[6T M'DL!YD3#E),CYAGYO7/.. .(L=4\2V7P\T?QK=^(KB\G:DYD92H+]VT>O'\(Z*KKPQ:%9M0NDM-4N[++4;G3(8C=R1Q,R*

MHRHPVD#=@=9][V5\)-Z=I^K1:C:1MS!5@FGOQ*?W:PJVY0!USSUS6;+X*TQH M4%0=?]HA!Z"@#D+CQI?6_A6"']480;^[N=86 MP\Y]/VWEI&4+1E6B(.4!2*

=H!5G!Q5N5U3QQN-.M4B>. MY'QY>X!58$'(R."N.E=)_P (#I#Z5R@NL6<[$VA0HSSP,Y - &-X.UN=_M_$@T^\U?

*6EFDMF=M.URR6.5G4C+Q2(H4]!G*C/8\5Z'7.:;X/M[#4X=1N-3U M/4[JWB:&V> ^F5O(5L;MNU5Y. "QR>,M7_#MA=Z7H%I97UU)=7,2GS)9)3(Q) M).^Q +8! S@9QT%*

'G>EZUXAUFU\&6B:U+:'4VU$7<Q4,9MVFF6FH?$2%XTN%1MS *Q4,V..3C-=AIW@S2 M]+:,1VMVN"=)*T?9[@Y\XY?=QS[=*6[\&3=#6!<-.H]S13S$2;3')&JJC1

MD()-2LI+ ,D=X$\])!(ID)!15!0@C@C@UU6C M:I>7/C;Q3833EK6R%H;>,@#9OC);GJ,GO5K4_!=EJ.LSZFE_J5E+=1+#=I9W'EINZ[XL@\,Z7)K-

*Q9M/I+ZC>W=ND8EF(E$;HF'E5'.3@>@JKI MEUJFAP:E&=0\ZYD\:P6TUQY:@RQNL(.1C)7&<8YSC%=J/ .EPZ=I5K975_8 MS:7&T5K=VTJB94;ED,5*LIXX([''BS\ :19V?*

V99KZ0'5$U9)9M@<+MY)(Y M!@D>YZ4 :U; M6^U?Q?XBN%.'6+G2+;PL+694"A@DSJ, =!@"N#T==:;T?X M9WGB.SUZ9!8W-W/%[EQF!XUN)-*

*Z/E=Q9OFY##&1Z<]!\/M!N/#?@VTTZ[B6 M*LWE]XF\5P2S,,:T%JUM&R@>4'@#MVYYYKC-)?4=>UO MX:ZK>;O>"YN-.N9)?+6(!BH0MQL_CR*

WL!C:1/8#4;N6>5(U=MBPL_&X$ _+P?7L>E^GMKJP@L;R\C0O%]I.TE]H4-M.2./K7H-_HMKJ.IZ9?SF03;;*\L 5 ML ED*'=QSPQJC>^#]{U""767!NXY)1JZ0I3Q%?*

*7UKK<5Q"TD-1==:;2!O$D95 ,<$;6! .*D^$=M);_#726>[GG$J-M,ZK+MQ$-Q&U=H"%&%|.,3[*YNY;7S"\4=Q(\D^:\.!\OUSUH X#P?J-W:*

MQ^$+.&7;,WFJ:LLZ;0=X5IV7DC(P0#Q52VU3Q8_@W1?$G_"33_;IW44LOL[6 M\1@$;S-$"5"ABPX;.[VQ7H%CX,TO3WTIX6N"=,N+BX@W.#EI]V_=QR/G./PH MB\&:7%X?

T_15;X^RV-TEU$2XW%UD\P9..1N/Y4 <;KFJZYX;B\8;>NMW-]]E MT>/4+6XNHXC)$]-(K#Y5"D?(#@CBFWEU(%OKJ9K+08+H6S!/+D.) ML<+NV@C(P<\G)(P*

];5_!^F:U[$- M.N=;59);G=++9_8KFV#CR;F+#_"1<R@GC=-OJ>EVXKZ/=:?=]S6UU"T$@4X.UA@X/K6" @2UVV4D6L:O M:?VD!MEU",=?/DB++;MCY4]P!Z97(H-?

X)U6_U""TU2SU<7-SI>HRV)N0@7SU M4*RL0. V' .,,BN&\3>*-3@M-=U33M?UBYN+"64PK8Z>O]GQ^A^Y(I]YX.X MANO0<8KT[0]#LO#VG?8K$2%6D:6225R\DLC'+.*

*[^JO/>N>N/AKI5Q97NG-J_MK+I5V\DC:>EP%A5G)8E<+NQN.[:6*YI4 8-U87-]\1=;N%UB_M_\.Q2[(O* MP QE&WYD)P"-P[Y)R2.*[^%9=4DT3P7X:M-*

:NI:\THW]QH&WDTZ>ZN+DQ0^< MQ65 IV87[V,X/&?8C=C(\":2NG36LDMY//+<7<5[<7T4;OEV,RL>,=F.^*M07_BV6'7++#3I-;*)8?:K"\U6S2.59*

*MU;F'(4*ZL,8,.C)][ZRX\#Z1_4]:2 MS\/P^&VOM95M3UO5'A$9>>)&F:-3D1H/D11DD|LGJ:.,6+Q3)7B>.JW+-RH(MX=$:^DC<.]IQ,1$$3Dl,%7)QCM5+PEKE^/$-*

*A8ZMJ^MP7MQ"XGL-8LD59Y N M2;>2-0N!@\9.1V[UK^"_!\-CX9U2#4M/6%M:N)Y[FS+[O*BD)"O9!{)Z=-"3B MKVF>"'+33[^RNYM3U34#8 BRCO9U=+?*[WMXYI8(*

MXG&$6XTZ[U2S"2AY9;&RL% #[20PX&1M YYHLO)C!?)=W^H:E]\L4+P0#4)@XB1Q MAPH51DD<%CDX[T TJVU[5M:L]1N"T=S9ZG91_9KB3:3BWEC4 8 M(R,LRL[]<-

*%;L 54C"ACM!(&XG%;VAZ M?=Z;"%>K=W+S)9);'+;Y4Z M(:&.N.@SCG&2 <#=^(-?DBF@L]3^S32 M>,,#IBR^2C;(#'G&",$CJ">X&>*Z'PI_J>G>-]4V/?>K7.IVJ6,%(!+=*@EC+*

*M.Z,I**H(^0'IQ6A_PAFE[]^ZXS_;W\L??'^OV[<=/NX[?K6C'HMK'XBGUQ3) M]KFM4M6!;Y=BLS# QURQ[T <+]]C,?BGJ_IHW80>&_.\@>7L(WR++L^[G;D; MNN@>$_*

NIKKUS/%>R65G+8O%&(%AD3"A<+N#+P36&N;R"X%JUG(L,@"31')VN"#G!8D8QS0?">G'1M&TK=/]GTB6"6V M.\;B81A-QQS[]*
//9/%'B+5SK.H6,WB".>VNYX+"VL].22T(B8J!*2I9BQ! MS@C;GCI7<>(/$=YI'PYN?$!M/*OH[%9OL\H_UV4D48@*SLJXB"J&4KN&"6.<H[+X?Z;:3V.^_P!4NK/3Y!+9V-S<
M!X8&7[I P&.W^'<3B@#BK;_C]L?^Q]NO_0):CB\6>)M7TV[UVP;Q ;P3R_8K M*WTY'LF1'*A';;N8MM.6##!/'2O0T\&:7')%(&N,QZK)JRYEW+740OM4ATV[F,USID-
P%MY6)RW&W< QY(5@#F@"A#/K7B[Q#K- MO%K%YHD&F+!'%#;QQEVF>(2%I-ZG(&X+M&,X-9T%MJ)^)L%W=:T\ERGAOS9? MLHC\B1A)M(7*D["?
FZYSWQQ75:EX+L[[49;ZUO\ 4=+FN(EAN?[/F$8G11A0 MP*G! . PP0.]"^!]*@O=.N;)[JR^P6ALDBMY<))#UV."#GGG/!S0!R?A[6-; M\4CP]I#:Q/8J^A1ZE>7-
LD8FG=GV!064JH&"3@=P.*CN_$7B2*$Z)'J_^G6W MB.#3#J!@0M)!)'O!9<;=X#X&?FD8CG.>@QT&,4 M 4M FU/3?'.I>'KO5KG4[46$-
[#)=J@DC9G=&7**H(^4'IQ3+F75/$?C;5=' MM]8NM*L=*MX&/V-8_,FEE#$$LZMA5"XP!R2>:Z1-%M4\12ZX#)]KEM4M&&[Y M-BLS#C'7+'O5#5O"5MJ>JC5(+_4-,OS$())
[&54,L8.0K!E8'!)P<9&>M 'G M=Y/JGB*3PRE[K%S%>67B.?3))[5(E$C1I+B8*R-AB!C'W>3QTQU7Q0M);G2- M%$=](KVP%N;3:T$<1:606J89RRD$<=%
SD^U3:1XHUW5Y?#LD,D1NK[MPW/=F)E 1[D&,*2>H&6/ ..:[33O#UKIMUJ-RDUQ+/J(B^T/*X)8I&(P> .2 M!D^]4+7P)HMM!90;9Y8;33I-,6.5P0\+[=P; &3\HY&.]
',>$]0+G-O+&H4 $'C)R.V>:W_$MYJ%WXKT?PW8ZA+IT5 MU!/=7-S JF4K'L 1"P(&2^2<9P*FTWP-9Z??6-S+J>J7ZZ>#]BAO)U=+?*[< MC"@DA20"Q.,UH:[XXNK2\LV9K:
[M'"2Q;AA@,@@@CJ"".!0!YG)J MNK^$V\7I%>27FI7&LV5G'=^0KR 20Q@-L& SA>,8 +=N<5IPZEK:/J-DPU^[MTF?2[AI)M7LUB:"95XVLJJ"K
G@C@@<\UTT/P]T:/3=4LII+VZ&I2I/<33SY ME\U0,.K JP*@\=#TP.*EM/!%G#<7%U>:CJ6I74MJ]HL][,K-%$WW@@50 3Q MDX)..M '':.VM>&/!_@[5CKL]W#
<_8;2:P>./R1%*%1?+PH8,N5.2QS@UM?# M>QFMKOQ6\FHW=R/[;GCV3>7C(5#O^50=QS@]N!P*T-,^'NF:;)IP^W:G=6FF MD/9V=S.C:G?VESJS>:0MSLCAF)7,BX
M7<"=HR,\].,Y !UM%%% !1110 4444 %%%% !1110 4444 %%%% !1110 44 M44 %%%% !1110 4444 %%%% !6=X@NYK#PWJEY;L%GM[266-B,X94)''U%:- M9?
B6"6Z*ZO;P1M)-+93)&BCEF*$ #\: #PU>SZEX5T>_NF#7%S90S2L!@%F M0$G ZA68P3WT=G(UM$X.TAI ,<'@D< UJ>%+::S\': M):W$;13PV$$8+9VZK#8*F\E
M2I7'F#;@X)8ECR* /3M5\9:5I&HM82K>7%Q%&)IUM+5YA;QGHTA4':#@^^!G M%5)OB+X>BT_3;U);J=-365K*.WMGDDF\M@&"J!G//Y9/:LJVN+[P[XMU^=-' MO-
3CU06\T36FPM$ZQ!#%*&8%.@()XPQ]*Q/ 6GW=S:_#V_6T/V>WM=1\UT&4 MB+N-HS[X.* .TO/'NC6 O\/(Y.!S7"7>C7NC>(?$37%OXHF34+HW= MHVCRGRI=R*-C@?<8%
<9;C&/2HI/"=YH>H:'>O9ZY#8IHRV,D6CW)EFM9!(7V ML0 70[B,@=5':@#T_1]9L=>T\7MA*7BWM&RNA1XW4X964@%6!Z@US]OXT!\= M:SHMU!+!96%I'-
]H>W=54G>79W/RA<*,'O@]:?X!TQ[#3+^>2QOK0WMZ]P%O M[CS9Y!A5#OQ\K$+]WG'K6!XFT/4M1\1^*K"&SN=FMZ-%!;7:IF%9(_-)5V_A MSN4?
C0!TVF^.]&U2^M;6,7L'VS)LY;JTDACNL#/[MF !XYQU(Z5J:YKEAX]A?P7EY+=1!(H1$# ME4;/SECP-N1@G.*T?BH[Q> YY(X?/=;RS98B0-Y%S'\O/KTH U=,\8:5J=W+ M:?
Z59W$ O#WD7W/*@ MKDMTZ8-(-6;1?#=_JJ022O;6[2 MK&L98D@<9 YQGKZ#)K@KW1[EOB@?#\:@Z->SQ>(+@_=>,%"A'HTBPM^#5Z!
MK]K+>^'-4M(%W33VDL<:YQEF0@#\S0!P\/Q$G%]X6EN8KL0:GIDLTMM%8N99 M9U\O&Q<%MOS.0>F.Y@U>YBM+W M]QXJ74ECMG\N:: 0(A:(G^($DCUVD4 >@Z-
XGL-;N9[2%+JVO(%5Y+6\MVAE M"'HP5ARIP1D9J36O$-AH(MENO/DGNG*6]M;0M++*0,G:JC. .2>@KE?"6FF7 MQ=-JJV6OB&*R-NMWK,Y#N6<,46(C.T;0=Q(YX /6K?
CAM7&IZ.+8:FFE'S?M MD^E0K)A) [U/:>.?M/CJ71GL[JWLDTU+OS9[22,HQ+DERW"J%4#)Q\ MV1G(Q7&MX?UF7PYXY2/2]5+WD]I/:)>R>9/.B;,_-
DY;Y#\N>,@<=*VM:LM0 MUSQ'J)ATW4((-=\-_889Y(<"WES,VV;G*<.OYT =)8>/M#U&\M8(S>11WK;+ M.YN+22.&Y;KA'88)(!QZ]LU$WQ&\/B34
#>O'IPF^U3K:2&*)HB0RE\8W<9 M[C'K7/SMJGB+2?#N@+X>U"QN;*[M9;R:XB"PP+ 06V/G#D[<+M['G%.;0]2_ MX5AXRL!83?;+R[U%X(=OS2AY&*$#OD8Q0!T^F^-
]'U358-.A^V1RW2-):27% MI)%'=*HR3&S !L#GZ<]*B_X3_03=^4'NOLWG_9OM_P!E?[+YN=NWS<;?O<9Z M9XS5;5]+NYO$'@J2&WD\JS>?SW4<0@VS*,^G) K@+/PM?
6_A>/PK>:;XHNKQ M7^SM$EV8]/D3?GS/,P0JX^;&-V>,4 >M1>)-,EM]6G\\HFDR/'>;U*F,HH8G M'<;2"#WK+N?B#HML-WEZC,J6\=S<-!922"VC==RF3 ^4[><=0.UZ?Q
MQ;Z5:#-EXJCCCU#!Y46S!G;_(%&=GY4_P 5Z?-'XDU&ZM--\16-Z\,8MK[1 M&\R.[(7 6:,C:"IX^8=.] ';6LM]=Z\EY!>6\FCLW$%W?1VCM;PR< AY%&T'D9[#/.*MZMXN
MTS2;Y;$I>7EV8O/:"QMGG9(^@=MH. >WKVKS3_A';_3=/U?1+JP\4WEQ/PQ MR 8)[$-C')Z4 =M<>-M%CL]/N;:2XO\ ^T59[6*RMWEDD5<;CM R N0#G&#Q
MUK2T;6K'7M.6^L)&>+>T;*Z%'1U.&5E8 J01C!KS5O#ILM#T/[5X?UVVVVM/>NS\"_VW_8,O\ ;;7+-]JD^R-=HJ3M;\;# M*%X#]??&,\T 2ZKXUTO2K^XLC%?
W<]JBO="RLWF%NI&07*C R.<=<E(];@NX?$/E. M5&FPZ2%B@G4H.99A@AMV0=S# '&:/!FAZG:7O@M[O3YX19:'/;SF1,>5(7CP
MI]R%:@#J4\=:$^@MK'GS+"MQ]D,+6[B<3YQY7EXW;\]L>_2J.A>+I-=\>7^F MPB>*SMM.BE:WN;8Q2QS-(X.0PSRH0^G-<]-H6KVU[>:NFFSSK9>*GU 6R@;Y
MX&MUC+Q@_>()) [X-;F@R7NI_$;4=9;1[VQL7TN&WBDNXO+:5ED=C\O4?>Z' MG SW% '1:WXAL- 6W%V9I)[EREO;6\32RS,!D[549.!R3T%41XYT,:0^IR2S MQ6\-
RMKUD8@#S5(R@Y')XY%8?CO1KR7Q+HFMQIJLMG;13V]P-*?%Q% MOVE74#EAE<$#GIUK,MM/OH="\0R6.@:G/<:W+'9P_P!KRF1Y%V%#-,N/W:*" M>"22%' XH
[.]\9Z+8?VJTUP_EZ4J&\D2,LD9?&%R."W() Z \T:5XQTK5M1 M2QB%W;SRQ&:W%W:O"+B,8RT98#^#G%><:GI%[X1^%OB;PU<6AG@M@EQ; M:ALPMVKRJ2)#_P_]
>#GJNVNDOH]0\9^(=(:+2=0TN'3HKEKB>\C$>'DA,0C M3!._!8L2./E'/- &U;^/]"NKN&*-[L6\\WV>"^:U<6TLF<;5E(VG)! /0GH3 M4=]\1=!L+B^B<7\O]GR&.]>"RDD2VP
=SL!@#G]#7 Z=X'+O2_%$M MY!)##/$]V4L%$; ^:LF""HVA@HYS@8KK;/1[]- ^(,+6V4KS,K6Z M*I7U!((H W-2\9Z5IUS';JEY>S/ +HI86KS[(3G#MM' .#CN<47/C718++3K
MF&6:]_M)/,LX;.!I99E R6"@9 &1DG&.G6N)O=)EMUT>2XTOQ%9W46D6*:C MH;EI"ZK\T,T>,8!Y!((Y/(Q4$NC>)!=Z!KVOQZP\O]F/9WAT9@L\+^;O0LB=
M05P&"]&'I0!WA\;Z)_8J:FLT[H]Q]D6W6W>C0&/ANYN9_#>MS1W.K+ MHPR7-PMY*T$%O#;.T[R+G>GEXW KM._TN\,2:K?Z?I^H65]80ZNJQW5QY3[MI4)P"1C&TOR2*
.^TKQ?I>JWLEEMN[*[2+S_"+^V>!FBZ;UW 9 [^G?%5]/ M\>Z'J5[:V\)O$CO&*6EU-:21P7+ $X1R,'@''KCC-<]JUGJ'CO6[>2UTV^TR MUM-.O8&N+^+R6>6>,
(JJO4A<;B>G Q5S0-5U7[!H&A_\(O=0W-F(HKV6[B"P M0+&FTM&X.')(&W;Z\XH N6'C.PMO#NEW%U?W&JW-\TJV_P!FL6$MQL8[L1+G M
4<$GCOWJIKWQ&MK;PC<:MI4%S)<0WL5G+!-:2!X'9U#!TP"#M;CL25'.<5S M=A9>(=+\/>&+*>WUBTL$2Z^V-IENKW22&4F-3D%E0@DY4>F<5"- UG_A%?&" MKI.JF2?
4[2\MXKI_-GGB0PDG=DY;"'Y<\=* /0;WQMI=E-%;F#4;BZ:!;F2W MMK*222"-NAD4#*=^#SP>*==>-=%M[#3KN&:6]&I M9Q6<+2R3 #+$*!D =\X MQT/-<3>Z?
=P>+M5UN>U\5)9ZO#;S0?V42KHRQA3%,@Y5AC()XY/-2:1H]_X3 MN?#^M'0[Y[9;*YMKFSBD^U3VK2S"4/P!NS@AMHXSWZT =/X*\2R^);CQ!(9& M:VM=0\BW5X3&R*
(D)5@0#D,6SGFM2X\4:5:_VUY\[)_8T:RWF4/RJ4W@C^]D M9Z=QBL;P+%?&\\37UYIEQIZWVI^?!%.H#-'Y,:AC@GD[3D=CD5F>,_#VI7OC M#3VL;5I-
/U9(K;5'7I&D,RRJ3_O*9$_$4 ='=>+-+;2[*:"]9#]=G+67Q-HNC!9[R"[T=;MKU;)U\V0[-K\<(F&)/H2!FL M30/"^KV[>(X;NSD6WTZQN=.T?(SYT?2[QX MO^$=73IFBCW?
9YLQ'$G/RCY3S0!-X-^)5IJ/A_1&U9KO[7>[87O/L3K;-.Q(M";P-N>W'&>.M=;XGU=]!'!L;GJL<+326MN\J(L9?+ <9 YVYQD]AD]JX6WT'5
M$^#WAO3/L$POK>YLWE@V_,@6X5F)'L,DUW?B:TFO_"FL6=LF^>XL9HHUSCX-K%8N9I+@.@RJXW;<%R.V.-]"? MP_\ VU]HE6W_P"S>48'\|S\X\KR\;M^>V/TKGO"]K?
7'B;P_?S:7>VD-MX? M>SE^TQ;"DHDB&/Q"L1ZBL74O"^KRV]W>+:7^+7Q5/?F&T?RYY8&C">9$3U(S MD#O@T >BZ+XEL-!;F"[MMIFM;N!H94#?
=;:PY!P>1D<4[6_$=AH/V9+ MKSY+BZ8I;VUM"TLLI R=]J,X Y)Z"N8\':6\4WFK"RUU8ELUM4NM9G/F29? M<56(C(48'S$CDG [U<\2OWFG>,]'\1QV%S?
V<%K/:3QVJ>9)$7*,KA.K#Y"# MCGD4 7/^$\T'^REOQ-<$O#-7O] M%DEM]1L'A26"ZMRDL)>11\R..A4G!Z'MTJA>-K5SK6D>+&\.3I:6-W\A M3JH&[
SS@&@#JH/%8LM;\7G6+M(M,TF6V$3%.5#PHQ' RQ+-P.3S@5HZ7XOT MO5+J6U*W=EW?%<1XE\+:OJ=YXMFMK6X.=3T^] M@6-_+:Y2&)-XC8\!A@X/J!35\.S>
(KN[6VM?$:?\2JZMDO=;N&7RY)DV[$C(MRP[D]!@8S0!UUI\0=#O9H4H4B6_"7*L;29[*18[O:"Q3?,2 2!W[9K(\/>-Y MM?
TC0[RXGDTZ:ZU.2V:,V+;+D#S=J*S=.$!+#/*D=ZL:'J^J36^@Z./"]W;S M6H1+V6\B"PVZHA4F)P<.Q. NWL3G%8&B:7JJZ9X5TZ72;V&72=>F>Y:2+"&- MA<$.K9Y7YU&?4T
==-\0M @NI4>2[-K#-]GFOUM7-K')G&UI<;1@\$] >IJ3 M4_'6D:9J=UIK)?W-Y:JLDT-G9R3%$89#';, 8KBTMM8L?AU>^!/^$>OY]2=9 M[2*Y6,?99%D=B)C)G P&R0?
FR.E=3X6T>[TWQAXCDGB?R9(+"**X8<3>7$RM M@^Q_G0!TVG:C::OIMOJ%C,LUK-RGIUZ5@WOC_ $*QN[F&1KQX;23R MKN\AM)'M[=^ZO(!@$9&?
3OBCXWES+=BUN(HPT$ZSLS*[R9PF-^&#<\<9H U+OQ-J%[\4;70; M.YO+:PAM4N93%8>8MR2YX,A!"Q[1C<,4B/:Q(7;_!G P.XW<<52\/Z#?:3XSM/.C>2WMO#=M9&Y
^5Y4D;(SZXY M_&K'CZ&[,.@7UK8W-ZNGZO%>#Z5NS^)+&TUR:2?646PBTD7[0^1\H3>?W MWF=\@8VX]^8UAI-
\NB>/D:RE62_O+E[967!E5K=%4CUR0165%H&I[D\W0VO M8_\ A#H;)[:9_+664,=T1;^%L?Y% '9Z3XOTW5]1&GI%?6MV\1GBBO;1X#+& M" 63<.
<9''7GI5W6]=L/#]FES?/)^]D$,,449DDED/1$5>2>#^5<1X2AU:W\ M3VD>G#Q&FABWD^V0:ZH/DM@>6L+M\YYSGDK@=>E;GC*SO4U/P]KMI9S7R:5= M2//;0
&1HY(V0LH/WBI(..I&<4 5-'\UTK2[.WE=+N PO S> M9OW C/15/\NM;&D^,M+U>_BLD2]M;B>,RVZWMH\'VA!U*%@-V 0<=<'.*X36 M-
&UCQ@WC22VTB[L5OK&R2S^U+Y37!BD=V!_ND_=Y[$$XJ]HVG/J/BK1[G^S_M !219&2:6;6;DJENQ0KM12#YA.2#CC'.>U %KP7\2;34O#NCR:N]T+JZ(ADO
M#9NEL9RQ 3S -H/0>F>,YK8\/>+)=9\7>(='>TGBCTZ5$A=K9T!&Q2VYCQDE MLJ.Z@$9ZUQ&GVNLWWPPTWP2_AS4;34&,22SRQ!8(8UE$AD+YZX'W?O;NW>NK
MT^2]T7QEXQGET?4)XKD17EM)!$&68) B&-3G[^X' .* .WKA=(\I-=M!*9[>*4QO$70,8Y!AER,X/N*\O@\/ MZJ+*W1]/GROC5[X@IT@\QR)/]WD'- '\M0K2VUY;O#(
M%;.UL,.0<'D5+K7B*PT$VT=R+B6YNF9;>VMH6EEE*C+851T ZD\"LV*PNE^* M=WJ!MW%F^BPPB;'RF032DKGUP0?QJCXV;5QK&DB :HFD%)?M4^DPK)<+)\NQ
M>02J'YLE1U SB@#3A\<:')HEYJLD\UO#92^1<13P.DTVQ@='$J .=P!V[6/3C\17)VGAS6Q!JUXFE: MDS6^NV>J0V]J[*'GNH8T4$;B2"^ 3C/! %:NI6FI>,_$FI/;Z1?Z?:S^&
[K3X M[J]A\HM,[H0I7J /?K\V* +^H?$2"[OO#L&C_;(DU#4HX_-N+)T2YMRK[C&S M#!&=G/7GTIFI>.Y=(CM/*EGU3[1K\MA(T>GOF&-&;,2A<[G& ?X@&..*J37
M.J:PO@_3QX8U*VDTW4()+V2:(".'9&R'8V?G!)ZCC'7&<57GTK5K'2H[HZ5> M3_9?&,^HM##'ND:W+R8=5SR#N!^E '6Q>*K#3X=;N]1U4S0VNH?9EC%J5>)B MB%85
R96);.0,-CM4L'CG1I;74I9OM=I)IUN;JYMKNV>*58@"=X4CYAP>1G MGBN/N=#UA;F_U:+3+B86OBE=36VP]Q!]G6,E>"P))]5(IWB&SU/Q9<:WJ MEIH]_;6\?
AVZL(5NHO+ENII,$*J'G:-O4XR6XH ZW3?'6BZIJEK80_;(WO%9 MK.6>TDCBN0HR?+=AAL#GW'(S72UQ>HZ7>/>>!&BM9"EC.3<$+_JA]F=>?3D@
M5T>DZO'JZWA2WG@-I=26KK,H!8KCYA@GY2""*.7\5>+IM A\436]V]S<6%C M%)#:+9EA;NPDP[./O*2O.W5W/*"YDNK06SCVV # MXX]00:Y+Q/HFIW=SX_:WL9I!?:-
!#:E5SYKA9LJOJ1N'YUZ%9(T=A;HX(98E M!![' H P?!6L7NM6.J2WLBN]OJUW:QD*%Q''(54<>W>IM5\8:;I6H26'DW]Y M=Q1B6:*QM'G,*'."^T8&<' ZG'2J?
@+3[O3M/UA+RWD@:76;R:,.,;D:4E6' ML16'KG]LOXPU..ZB\0BP,<7]GIHJJBW'R_/YLHY5MW RR@"@#HKCQ[H$%H5 MREQ/<+JL;R6*VUN\CS;<9 4#.?F'!]#GH:I'XG^'!;-
<'^T/*A?9=M]AEQ9M MNVXFX^0Y['Z]*YWP?H&K6?\ P@ O-.GB;3X-12ZWC/DL[#;D^_.#WJS=Z'J3 M^"?B':I83&XO[ZZDM8PO,RM%&%*^N2#^5
'I8((!!R#WHJ&T5DLX%8$,(U!! M['%34 %%%% !1110 4444 %%%% !1110 4444 %%%% ! M1110 4444
%5=2U&UTC3;G4;Z7RK6VC,LLFTMM4]M;:XMK>:>..:Z8I!&S8:0A2Q '? !/ MX5YYJM[)>:S_&?!?^(KDV]E!_H.AHL7V=V!.Z65F)88PN0 !T.:Q--EO?$
MO_"M=0U#4;P7U7IYM,\,:"9&5;33;*(*%CC)$:# "J"?R%>4C M7O$FLV.JZU:Q^)1>QW,ZV7V9K=;&)8G*JLBLX+ [?F)&>3CH*[?QOJVH6GPM MU#58'>ROQ9I*#&W,3G;D
^V2* .PHKS\V>I>(O'7B>P?Q!J=C96*6OV>*SD" M;7>,DL3@DC(Z=#DYSQ6KX/UB]UCX9Z=JMY+NO9;$O)(!N8 C=QWXS0!U=%> M.VA\0?\ "-
^"=6/BK5#>:W<0VMUN9#&(Y(G;*H5P'&T8;DYR3GI6G)J=YH0\ M8:5+XCO4ALVL_LEW<1_:KA#..40=6)(PNM MR([,Z;<.@!++PQ!!P.>!Q4'PLU>_U0:+IM[)
<:;;6&DPRV=IP/[07&UIF8=5 M4C 3CJ">N* /4=-U*UU:Q2]LI#);NS*K%&7)5BIX(!Z@U;KR33-2UO6[?P7: M-K=[;C4)M36[FA8"21(G;: 2#C
&>H'3FI+C6=9TD:SX>AU>ZDVZW9:?;W] MP0\UO%<(C,=Q&&(R0"?44 >AZ;X>TW2;^^O[6&3[5>MNGEEF>1B 20HW$[5! M8X48 STK4K@[""_T3XF66DC7;^]T^?
2Y[CR+R42,LBR1KNW8!(P> >G..M2: MM%?ZM\2UT<:S>V6G+I N7AM)/+:1_.90=V,@8ZX]!0!W%%>5CQ!>G1GTJ\UO M43/;:Y-IZ/8VXDO+^^*-=P52,!2
PW/C^$]":@L+WQ'<0^,M+L+G6()]/@M;S M3X]2D22X#'>S(2I.5?RP,$Y&Z@#UNBO-+WQ7=>((=4U/1KR6#3].\.O='RSC M-S-&70'W1%S[%Q51+;6TO?!R?
\)5JQ;7X7%\2Z$#$'F_NAMQ&>"N1S@^O- ' MJU%>0WWB'6]$T[4]&M[[4+QQXBATR"Y^22Z2&2)92%+84MU4%O[P]!5A=3\0 M:9%KT<<>O0Z>-
$N+F*36)87FAN$'!1D=B5(/?H5XZT >K5!:WMK?"8VL\2:Q*D%[!.ZF%@\#/E% ^0J5&,? MCFLC2K#6;/PQK/\ 8M]?SRMXDGCGB%TB320I(^_RF88$C<$GO@XQ0!['17%^ M
]36YFU2Q:^UAI;=HW^PZQ#MN+96!_CR?,5B"0><8JI:0:CXOU?Q'*^OZCIJ M:=>M8VD-G($$5"L:,9'!'SY+=#Q@4 =7;^'M-MM>N-;2%VU"=/+:629W"KQE4 M4DA 2 3M
SBI=9UJPT#37U#4IS%;JRKD(SLS,<*H50222>@%>9Z3JNM>-[[P MW!+K5[IL=WHLMU=&P8(9)$F5 RD@[,8"O-^[&_'K\S?G0!Z? M!J%I7DE\NDW:1P74N/,:-X
MED"N0!EER1GOQ7&:G=:X?#OC+Q"GB+48I]'U.X2R@C=1$%1E.'7'S@Y(P3@# M&.] 'L%%>>^9?^&?&E#<>(+NYM;[2KJYN6OB'CBDB\L^8J@#:;.V5'&*YZ#
M6M3M;KPU?VU]XFN5O=1M[>XN[]4BM+E)<@[(2=RYZKA> .30!ZOI^J6>J]?:O ML4;2MNK?P;@"2W4]!S5Z\U?6=:\2>((T3Q.(=.N?LEH-':!8XR$5B\]F]P7)+ M9P1MQCWH
]7HKG-)U>^?X?ZPZKK,D-A>K9-)J>%[J"[\3S1W]]';7-0J8CCMKE71CE(L[D.1N& .2: /5-6TJSUO3)] M.U"+SK2< 2)N*Y ((Y!!Z@5G/08Q[[FI^*
[KPOK6IW%_*\MG>:2+^PB8\+/& KPK_O%XS^)H]"H MKE;@:IHWPMNWN[V635K?2999+DGYA,(V8D?1NGT%<_&VJZ#:^$M7;7[Z_EU2 MZM[:]AG<-%
()D)W(H'R%3@C'4 YS0!Z517BOB/Q#]J,.B:K^EZIXCO9K6=WB MO(42'3E59-NS8]?O%'W20&)/.ZC6_%%]X4UCQ)!/+)<">R2]TB-^?WI(A:(M?]M#&P45X]+K M?
B#6IO$%[;IXF6>TO;BVL3I[6ZVD0B.T>8KN"Y)&6W#H>*V87UGQ-XPAL;S5 M;[2X&\/VMY/;6,H0B=W<'#X/ QV/.!SCJ >@W-[:V;VZ7$\<3W$GE0JS8,CX M)VCU.
3^!J>O&C]MUW3_6VH:K>M<0Z_]OM:O]=LX$ORUOJ-GLN-.2W#@!)(E.5X^4DC(/.: /6Z*Y?QJ%%UI MVA6D)G64QRQ"_>ZY(H]B1UD174Y5@"#[4ZO*M0U?5-
3\6W^E+%XB:R MTRUMA&FB/%&2\B;B\C.RD]@ ,C@YIL5YXFUN;PAI6H:G?:9+=B_2]DMVC665 M(MOEME=RJQ&,XZ9;% 'J%[>VNG6KW5Y/'! A :21L $D #ZDD
>YJ*#5+.YU M2[TV*;=>6B1O/'M(V*^=ISC!SM/3TKC_(H6!/PX,)O+O,%Q9CS!)\TO[Z-< MN<'YM1^)'B*T77-4M88+"Q5GMI@LLK;9 K,^,G&#P, D\]*/
M09]2M;;4+2PED*W-V',*;&(8(6Y P, CKC-6Z\NT#Q)K5^G@=I]\F6[MM1% MRS *LS185&<#Z9_$U#XDW0N;20LJR!67D'! M!# $J45Y).VM0>"=!\4#Q1J#7N MHW-
D]S"77R&2:1,QHF/DP&QD-?$3ZQ?O'H-S.+33U<"%MM MNK?O!C+#+ XR,8/K0!ZC17DVCZAXD@N= O(XO$TSW4\2:@VI/;_99(Y!\S1J MKDH02"H4<@8.:H)KWB76-
,U'7+6/Q*+Y;B?[&+=K<6$:QNRJCJS@L/E^9B,\ MG'04 >T45YMMU?Q)XKURVEUK4=-MK73K2=+>SE"E)I$@X/?I6?I-
M]K::/X(\27&O7UQ=:M>0V]W;N5%NTLT5XNFO>)=8TO M4==M(_$HOEN)_L8MVMQ81K&[*J.K."P^7YF(SR<=!7201ZKXH\9ZO9W&LZEI MMI;V%G,++:RF"%99%?/S8/
V]!P>^<4 =[->VMO7,C7CIO6VMH))Y=O]XJ@)]S5S1MS M&WOY/-9)8(Q(K*V 0#]TCIR,53GCUC3M()):TOBG49Y]3U"Q6\CDD4PS+*P+ M*B@?(.W';.J45Y) ,8J?4-
>U76_%=S8>5X@-G9V-M*(]#>*-FDE4L6=G=3@8P ,C@YH]4HK MRRZU_P 1Z;X&T_Q#>33+J.GWK6[V4A7.I1L^Q5*Q[@)2,$;.7MUKX\(Z_XFC\2:@EYI M^LS0VD(9?
($:W.S:Z8^?@GJ> !CISOM/>>%_%UW9S>([R6RDT*>^DFU B402 MQNH\P*,+AB2@P..* /1**\AL]7U.RUGPO<077B>6*_O$MKJ?5!&EO#S?S'7?[:^Q+=9_>_9#^_\
[_OSE<^HH]0]I;Z ME:W5]>64,A:XLV19U*,-I9=R\D8/![9JW7EOB?7=9@?QG'9ZE+]KJ&EPVK# M!$(D\K?@>AW'(]Z /4]I2:M90ZD=/EG"7 MS=$,I"B(':6+8VCD],YKE-.CO
MM"^(MOI']LZA?V5[IDMPZ7T@D*2QR(-RD 8!#G('%0^*[F[N/$^HZ2+RXBLV M\-3W!2)MO[P2@;OKC(^A- 'VD-U;2K+;S(LD">2!WO8/)GC(;_%_6@#I**\DL=4U?
3=7LIO$.H:[:3R7^PW MB;+G3+E&*8(52^D*Z?<*F,JCR22QR58,!\H&,$^E 'IM9,OB;2(7O$>Z.ZSN(K6<")SLEDV[%X'.=Z
M\C@9YK$\2S7FH>,=&\\.0ZA*TAU2XFN%\0Z=$;IB/,>Q <- O -K$ G:=I/?% 'L51PP0VZ%(8DC5F9R$4 % MF.2>.Y)))]Z\IUO4=9TW5]4O=5OM>M+6.\+6FHZ?LN+&& $?+-
"#N!ZAB1U. M0:W(TOO%WB3Q%&->O].MM,>.WM([*0(-S1+(97X^?)88!XP/>@#OJ*\WL%U7 M7?&YLY?%-R]G9Z99W+/IK+''^2YL=>^)&K6U_?0W,&CPSQKYN
M0KM%,1QC^$CY?3FM;36U'Q=K]_97&M:A8VVF6=GL2RE$;RR2Q;VD=L$GT Z< M&@#T6BO);/6==UVX\,Z5+K5Q SWNHV5W=VH5&N4@R%8<$ G'4#C)QBNJ\&S7
ML&M>)=$N=0N;Z#3;J(6\MTP:4))"KE2V/FP2<$\T =A1110 4444 %%%% !1 M110 4444 %%%% !1110 4444 %%%% !1110 53U73+;6
MM)N],O59K:ZB:*55;!*D8//:KE4M8U2WT31KS5+O?]GM(6FDV#+;5&3@>M & M1=^"-*NM2EOEFO[62>)(KE;6[>);A4&%WA3R0.,C!Q3!X"T2/2M-TZW6ZMHM
M,G>>S>"X9'B9BQ8!@<[3N88]#BJ@^).F&ZAMO[+UH2W<9DL%-F?]-48SY?/8 M$'YMO'-6H_'NDR:)_:7DWRO]L-A]B,'^D?:/^>6T'&<<]<8YS0 V]^'VAWMS
M=.YOH[>\D\V[LH;MTM[A^Y= <0J'4%6V.,%E894]STYK;L/%%C<7 M36(=Y9K6U6>]N%4>5;Y7.';. Q'.!T')Q0!HVND6EGJNH:E"C"YO_+YX-

```
M -K7MO#+'&=J';$"78+CS#G&?X* .UTK4[76M)M-3LGWVUU$LL;$8.",\CL? M45%?&.C?8YM)O+3-_812.DC0VL\F&*E"5(1BYZ\9%;UQH]IX= M\<>#(M,U2_,=Y+<>?#+?
23+# M4=1DU>]F-F\|EXVV&%KKR_E!.U2 .&QD%B./D_VZNB:#XABBFBOKF6WDFU.ZUT& M*Z$A&Z,Q$[0""0J@ J0,2*EN$V, $! MVG))!R#QQ0!ZAJWA?
0M=F2;5=)M+N5%V*\L8+!?[N?3VK3@@AM;>."WB2*&- M0J1QJ%55'0 #H*\TOXI_"'B6TETRYOKB6[T6^GN([FYDF$\T2QLC;6) .6(^ M7 P<8K%TE=?>N9\,?:-
#UK0#J]OJ<$UX?)74K;53>6F MINT9(+JQRN<%EPH^N* /6Z*XGQU%+=ZWX3T];RZMH;N_D2?[-,T;.@@D8KE3
MG!Q[1VP:Y;5+J[\,+XQTK2]0N[>RAETT1223M*UFMPVR5E9R2.!D<\$YH ]? MJGI>J6>LZ=%J%A-YUK+GRY "-V"0>O/4&N'NM(M_#OC'0-,TZZOC::S'[[Y6?
G>PXW$[1@#@8' M?J: .LL-4L]3^U?8YO-^RW#VTI (VR+C?>( M-)M=:^+6F6MY<3QP_P!C3L8H9VB,V)4^4E2#C^+ /\([5S%[JNKV]H_AVSN+
MRZL1XE.G)+]L,G>+KW3I(/L.G/9 M+.MA-J@NY(I-^W>N265&'X97WJ74+5?$GQ(NM'U.XNET^RTV*X@M8;EX1*[N
MX:0E""VW:H'.!F@#NJ*\OM88=8\3Z7X8FU^]U#1[>PN)Q(+AHWNI4G\O8[J0 M7\L>_)Y.:S+^>^B%[X>M=6OQ96OB:QM+>Z%PQE2.55+Q>83D[2Q SDCCTH ]
MCJA!HNEVNJW.K0V-O'J%RH6>Y5!O< # )ZXX'Y"O/KRT?P]XB\0:/I6LS:=: MS^'_ +4DM[=O(EO/YC)YFYR2O&,_G4?A^W%CK]OH^KZ=K&ESZC931 )JS75K
M>E5!9PY;>C@9((VGD\]* /2=+U.TUG38-1L)?.M9UW128(W#.,X//:K=>(>' M-)2X\/?#K2X[R_M[34A=27BPW,K(W M4QM;".S6(3S,_EH+89.6/?!)/@W=Y+:V-
QXABLCY>H^?<6T#1ES T MH.Y264 $G=M?&: /41K-J?$+:&-_VQ;079^7Y?++E!SZY!K0KSW0](M-%^+M MY:V4\[PG0XV$,T[2F']\W +$D ]<9ZD^M.\6M'J?
BZ+2H[35=5EALO.>PMKS M[)!&&<@22.&4LWRD!><#)Q0!Z!17BNGW.H:EX>\/Z?-J5["O_"4W%BS17K/) MY"K-^[\W@L,#
;KP",8%6]:N+KPFWC#3=)OKR"S2#3WB:2X>4VGG2M'*Z,Y) M'RC/7@C- 'I]UK-K9ZSI^E2[_M-^LK0X7*XC +9/;[PJ6XOUM[^SM#!<.UUO
MQ)'$6CCVC/SM_#GH/4UP3^'[#0?B?X42QN;IEDM[TM#<73S^.# M@5L^)KJ:#QSX3C2Z>"&07QE^;"';#D%AT..O- '7T5X_X?\ M.BZEH-SK":B M7N[E84UNQU4W5KJ+2
[1)&Q^56X(PO! P0*ZSXAK/,/#-I#>7-HMUK44,SVT MIC=HS%+N7(Y&,;+1;RZCMH].L[B$33O-]F:25HY'4N21\HW=>HK9O](M_#'B'P MU%I5]?R+JL[V=Y#-?
2R_:8S$S&7YF.&4@'L60O+&;SH#(\8 M< C+(Q1NO^TI%7*X7X3:?;V7@L20^;NEO+H/OF=Q\MQ(HP&)QP.<=>IR:Y#Q
M/.]]IOBC6K"#6;IK.2<1:K)JAM8K5XQC9#&K?,%88Y7YCGGOO![317*Z]K&H M67POO-8M#NOTTOSU8+G#^7G=CVZ_A7,7NDVFA:EX)GTW6-0D>_U!%N!)?22B
M\4PNQD8,Q'7'3 ^;Z4 >HT5Y-=:I=1_!3Q'=M?3+VNI:G?F&[TZ]:[\FY>-KC88PNYE()['/4\^IJ;78TOW\126-MK6H MKI@:W%[)JHM8+%XX@2$ ;<[#ABQ4Y)ZT
>OU3U#5+/2UMS>3>7]IN$MHN"=T MCG"KQ7FNEQS>*]=\,0:I?WK6T_A9+RYBAN7B$\N^,98H0?XB>/:LNYL5O]%T MZQO;B\N(K#QF=/@9[J0.(-YPI8,"2!@!CR.Q%
'M5%>/3)JNO:WXG:2QOKA= M.NVM+62+6C:"R1$4JX7/+'.XLV<].@I@O]>\0ZSH^F7]NVJI'H<=W)#9:H+: M.XE9RIEWH1O "C !P"V: /9*P[SQ9I-
G8WMXTSR165XEC/Y:$E9F9%"\XSS( MN2/?TK.^'LFHG1;RWU&996M;Z6&$?:UN9(XQ@B.1QU=22.>< 9KSN_T:V@\) M>-3;27,4K>)H;<2&X=RJ^=;D$!B1N!8\XSTYP*
/<:*\XEAM_!OC8QVVH7T. MG3Z)=75UY]S)<;7B9/WH#D_-AFZ<'TKG(GN]/N_".IVMGJ]H+[4;>%[[4-5, MDE]'(#G= &91D?-VVX'% 'KUCJEGJ4EXEI-YC6=P;:?@C;
(%5BO/7AATJ*#6 M[2XU^\T5/,^UVD,<\F5^7:Y8+@^ORFN3^'.EVMEJ'BZ6$3;QK MU[44M[B4?V]I@M[%2Y(2\601#:.Q(G4\==E4/#M_J%]?Z?X>EOKAY?#B7K7\
MAD.9BK&*WW'OE6+\]U% '=#Q?IX>%)8;R"673I-2\J:'8Z1(0&# \AOF'%:N MFW\.JZ7::C;;O(NH4GCW#!VLH89'K@UY!I4\US::)/<2O+-)X(NF>21BS,=T
M?))ZUW6E7EQIWP=LKZT7=>OHXU[5O'4U]?ZE_H,X%G'#>R1+; MM]F1MRA6 )SCKD<=.3F#0X$UGQ?X&U6^>>2\G\.&YD<7#J&D'DG) ("\1R,8 M/<' H ]"\-0Z=!H-
NNE:8VFV9W%;5X/)93N.-:$MSKT'@"RO=1O M_L]U;:BUT(]IT:<*Z[0S @X_'IQT)J:6XN=)M-3TR"^N_LEAXJL88#)<.[1P MN86:/<3DKECP3T- 'K]%>
<^+=:Z)DOTD'S#RV."Q^\H4 C&!0!ZIJ&J6>EI M;O>3>6+BXCMHN"=TCG"KQZFKE<)\3M.MK^U\.BX\W"]N6D?[N9X_E=\'[I'/
M'!ZCMBJ6GZ3!XHU+Q/+JVHW\+:;>M9VBPWLD(LXDC0K( K#+-DMN;.<>E 'H MLLJPPO*^=J*6./055T?5+?6]'L]4M-_V:[B6:/>,-M89&16!X2U2\UKX8V.H
M:@V^ZFL6,CD8WX! ;'N #^-<'I.GQZ#\,_"GB+3=1O7U1I+*/!NW9)UD=4:# MR\[VO$UK[*E@L7"_N\@= M&)8'=GTKO]0UC4[/X6SZR##)JD>DFX+PD/&9?
*R64C@KGGT(H ZFBO(-)@UF MPN/#.HPP36K7=Q"EU=WFNB9;])%^8>6QP7_B4* 1C JE>6EP? VN>)%U;4UU M6TUN:.TF%Y)M@07>S:$SM(P3U!ZXZ
"@#VRBO+=5M#X:\0:U9:=>WX@G\+W5 MVZS7N#OCWT[4==U8W1@E,32^7(J+%O4@@,22<$$[<5?O=/U"#4/%/AO0;^\*6EC;:E
M9*UP\C6UP&8^4&)+;7"#Y22/F/K0!ZI17D>J>,+[6=,USQ5HLTJVNE:,B0*" M2OVF95D=B.A,:%!ST)-2Z7:ZOI&N>'[BWMIK-+F7R[I[S71CZWK-KH&D3:G>[_
+/"5#>6N3\S!1Q]6%2ZIJ5MH^E7>I7KE+:U MB::5@,D*HR<#O7C6HZ?'JWP@;Q5?:C>G5[J9'G9KM_+)^T!?)\K.T*N, 8R" MN:]!^*5K%=?#37O-W_NK1Y5V2,GS '&
<$9'L>#Z4 ;^C:K_;.FQWHL;RS5_N MQ7D823'8X!/!K0KS6QT>VU3Q:WAV[N+Y=+T[2H)[:T6^F4RO*S[Y&8-O;:0%
M&3@9K$26^U3^R=#EU>_:TB\376G"Y2X999[9(7;:S@Y;NN>O&>O- 'LM%<[K M[V?ACP'>_P"FW=I:VEJ46X1C-.G\(*EBZ"PE@SIN8 A@#D'OB@#UNBO%
(;.:'X71^+O[3U-M9AO MR%507GE^7LW;2I7.62XUF**?1@[D[9I&$#JN>@5 MBCX'0$T >G455TVS&G:7:60EDE%O"L7F2,69]H R2>I/6K5 !1110 4444 % M%%% !1110
4444 %%%% !1110 4444 %%%% !1110 4444 %%%% !4%[9V^H M6-Q97<0EMKB-HI8R>&5A@CCV-3UG:_J\>@>']0U>6)I8[.!YVC4X+!1G H L
M'3[0Z9_9K0(UGY/D&%AE3'C;M.>V.*R;GP5X>N[&QLY=.'E6*;+5DFD22%?[ MJN&# >V<<"J=CXSFEU'38-2T.ZTZWU3(L;B65&WL%+A74'*,5!(!STQUXJI_ MPL0?
8SK(T2Z/AL2^6=3\U/N[MGF^7G=Y>[OUQSC% $FO> K&_L- TNQLK2+2 M[#4!;E96:1IB.A9V M)8X[<\=JSW\87%QXGU#0K+0[JX2P>-;R\69$2)7C#JPR3P/3/<50TCQD/
M[#\/V>D6&H:MJ%[8"Z6.YN5WI",#?-*>,DG' .30!NV/@S0-,O8;ZTT\"]@W M>5<23222#*E<;F8DC!/!X&:J^&- O;;6]8\0ZQ!9PZGJ1CC\JUZ-N;4NW.8B=Q0CI@D54\1> M((?
#UA%.]O- :Y^^\::A'9:Q8RZ)-8ZY;6 M#7D$!G1TEC^Z75QQ\IZJ0#TZYH U],\$^'-'OX[VQTQ(IX@PA)D=Q"#U\M6) M"9_V0*MMX;TAM$FT8V*'3IV=Y(-
S88L^]CG.>6)-8WPVBN1X*L+F\-\US=Q) M/(]Y>&X:0LBG<"2=JGKM[5E7_B354\5^+;&YM[E=*LM(697MYT1XOEE)=3UW M-MP/[I4&@#L6T#2VU]-<-
HHU)8O)$ZLP)3G@@'!ZGJ*FATNRM]4NM2BMU6\N ME1)IP&3T]:Y5/&D\=Q8Z-I6B7NJ7CZ3!?AGN$3]VV5^=V_BRH^I/ ML:BL?B3]MM]+U$:!?1:1J%REH+R21
4F9MF#'G)4/\N[U'3% '0ZYH$6HK/> MVL5LNL"TDMH+BX0NFUN2CKT9"1R#FN2T'P'/;^*-+U6;1=)TB+3ED(6SN7N' MG=D* 995V( S$*,\FM:[\=RHVI7%AH-
W?:5IDCQ7=Y'*BX9/]9Y:$Y?;WZ<@ M@9KK+6YAO;2&[MY!)!/&LD;CHRL,@_D: *<.@Z7!HK:,EC%_9S*ZM;.-R$,2 MS YSG))-5='\(Z%H-
TUUIU@([AH_*\UY7E94Z[5+DE5]A@56^(%U<6/P^UZZ MM)Y(+B*RD>.6)BK(P'!!'(-;>G.TFEVCNQ9FA0DDY).T4 8]MX%\,V>I1W]O MI,231R&:-=[&.-S_ !+&3L4^X
J])X=TF73]0L'LD-KJ,CRW<>XXE9L;B>>^ M!TKSL^)-0L/%WBW7-5M-2:TT8Q1PV\=^!"@9$&#&#ABV_?D@XX'45Z%?Z[%8 M>(-*TAH7>34(YW20$83R@I.?
KN_2@"W)I=E+J%M?O;JUU:QO'#(2YCB<]62,G8IYZ@"N,UCXC:YJ/@.37-'\ M/W=G:RM (;V2XBR=TJHX")ZY4"?(Z5?B\2:_#X]UJUM]&O+]_L%G-]B^UH ML=J2)-XW,
<;B<#@<[?:@#M!H6F+9:A9BT06^HO(]VF3B5I!AR>>X]*B?PUH[ MZC8:@;)1=Z?'Y-M*K,"B?W>#R/8YK&7Q];WFEZ-/I6FW-Y?:NKM;V6Y8V01\
M2&1B<*%/&>W22YMXY(HG;/RJ^-XQT.=HZ^E9>F^"/#FD7T=Y8Z8DL^HZ8^FW!8@V[S)*0 >#N4XYJO9:]%> MZWK6F+ ZOI9B#N2,/YB;QCZ=* +MUIMG>W5G
M[@A$J*$"E00['@##=?PQS4R?$"$Z(UT^E72ZFNHG2QIH9"[7/7:'SMV[?FW= M,9H U]'\(Z%H-RUSIU@([AD\OS7D>1E3^ZI@13Q:7:+;1S MRF5T5F*
[CU(!.!]!@5QEMXMN[?QQK$VNP76EV>GZ&D\ML\PECR)7)D3:<-D8 M&< Y&.U;-EXRN6OM.AU;0+K2X-3;99SRS(^Y]I8(X4Y1BH) YZ8SF@#0?P?X M?D?4V?
2X7_M0@WBL25E(YR5S@'/.0 <\U+HWAC1M DFETVR$4TP"R3/(\LC M=!OH'&K^%=$UZZCNM2 ML1-<1(8XYA(Z/&I.3M92"/J.>W>E/A70CH T,Z7;_P!F#D08XSG.
[/7=GG=G M.>ZG>68F?]ZBQJH5?G>7[H+9!"C)Y/"%-;XC0QZ&+ MZ31[P72:J-)ELD9&=9ST"MG:P.5PD>'_#SIMF(I)R#+*TC2 M228Z9=R6('89XINL^&-
'U^2&34K,2RP@B.5)'C=0>HW(0<'TSBL:/Q['9MJT M7B#2Y])GTVT%\R&5)A)"20"I7ON4C'KBLJX\2ZW=>,_"%M=:1?:1#=3SN5:X M5UF06[D*X4\,#M.TY]CP:
.INO!_A^\TVST^73(EM[+_ (]1"6B:'UVLI##/ M?!Y[U)!X6T.VT^VL(-.B2VMKA;J)%SQ,IR')SEFSW.XT73;N\FN[BSBEFFMC:2,XR'A))*$=",DU2TCP=H.A78NM
M/L!'.$,:.\KR&-#U5-[':.!P,5G6OC=KG1KFX70K]M2MK[^SY=/CVNRS<$?. M#M"88'><#%4K_P ;:DFG^(+-]%EL=;L-.-[%']HCE1HSN <-T^4J25(YQWS0
M!O:=X/T#2)8)+#3D@:WEDFAVNQ$;NNURH)P,CC'2C4_!WA_6-2&WA^FQS76T M(S[F42*.@=00"LP-.\(7U[J7A'2KS4(6BN9;6-GW.&+Y4?/D+4( M[(\/;Y74AA^!I\?
A+08]"DT1=+@_LZ5B\D)!.]B<[BQ.2V0#NSG@*6=FD2"&"$ O-*[!51G6(AN9(_+DF:1W=USG#,Q)/X_2C5 MO"FBZW>QWM_9;[J./RA+'*\3%,YVL4(W+GL(;31M8T*;3)[V*2
M6U?[0DROLP65MOW2 P/<>]95A\2WO=.TS5W\.7L&BW\T=N+QYHR4=VV E =V MW=QN_3% '2VOA/0K&.".UTV&&.WNC>0I'D+',5*E@,X'!(QTYZ59ET33)[F]
MN)K**22^A6"Y+C<)8USA2#QCYF_.M"O+?"'CO4;+P787^KZ7?SZ:LSPW&K2S MJQ!,S*'*$[B@)"D]L=,"@#L],\$^'=&OHKVQTU8[J%2L^,KD7^HP:1H-UJD.F-LO)X
MID0*^T,40,]TVSU![5[N!96M)Q<0$D_) M( 0&X]F/YUQ4'C&]L/%OC ZQ \>C:5##(K[T/EC:QX4A&75W+9Q237< MI MRXW"2(9PI!XQ\S?G5#2/!V@:'>"
[T_3EBN%0QI(\CR&-/[J;B=@]EP*YV/XF ML^@7GB!O#EZFCVP(^TF:/,CB81%53.[J2KJ('#,[YPA!P,<\D4 =)I6@:7HDEW)IMHMN;N4S3!6;:SG)) )P.IZ M8K.N/
7AB[NKFXGTF.0W3,\|9D?RG<]6,>=F[_:QG/.9Y>X)G6+%1GH/K72:MXJU*RNK]+#P MU>7MO8*&GN&E2!6^7<1'N^_@=3P,\9K)/B_4+_QIX773;65]&U/39+L[I$4D
M'R_F(/(V!NF>=W?% &S=_#_PK?7=U*QE^(8:S76#HET/#;2B M,:F94^Z6V"3RL[O+W=^N.<8I^M>,KD/K-MI.BW=]#I]%+N[AE1/*D*;L(I.7
M9003C'H,F@#>LO#6CZA(']*J77@CPY>ZC/?7 M.EQR37#!IU+N(Y6 P"\8.QCQU()I? ]S/>> M N;F:2:>73X'DED8LSL4!)) M/4FH=5\3:G:7]W;::X;N[]+-%>>=I5@0Y&
[;&6^^0.N. >,YH TK'P_I6FS6 MTUG9K%):VOV*%@S'9#D'8,GID#\J@NO"6A7NGW-A<:=&]M#6TFTF?2-6M);APSHI;A.H/(\L-D@'G/&<5W5[=+8V M,]VZ2R)#&TA2)"[L
,X51R3Z"@#%U'P/X;U6X^T7FF*\IC6)V65T\U%X"OM8 M;P!_>S5C4_"FAZQ%:I>:>A%HNVW:)FA:)<8VJR$$# ' ..*RK7QG>?VMI=GJ MOAVYTV+5"R6LKSQR'>$+
[9%!RA(!]>>*SV^);C3I]6_X1R]_L>UN7MKJ\|Z, M;"LGEEE3.74'!)XZGK@T =EI>E6.BZ?'8Z;:QVUK'G;'&.,DY)/J2>I/)K/F M\':!/=WEU)I]&:]>.2X(=@)&1E96(!QD%5.
<3(WQT-5@OX+#3IHDADL[I$EB!6+"J1SEMQ;)SP<5OZIXZN+35M9 MT^P\/76H-I")+=2+,D:A&3?QN.2V,\#TZCC(!T%IH&EV&KWFJVMHL5[>8^T2
M*S8DQCDKG&>!SC-3Q:990ZI/J<<"K>7$:12RY.65<[1Z<9/YUS.G>/3?7^CA M]$N[;3=9R+"]ED3]XVPN-R DJ"H.#_*HG^(>+276$T2[?PY%*8WU,2IT#;#( M(\[C&&[]<#.*
.HU#1M.U6>RFOK2.>2RF$]LS9S'(.C"FV^B;;:7^H7T%G'' M=:CM^UR#.9=HVKGZ GI5\$$ @Y!Z$5EZOKD>CWFE0S0.T>H77V02@C$;E69< MCW*X^I% #8?"^BV\<,
<5A&JP6;6,8#-\L#8RG7H<#WXK0M+.WL;&"RMHA';0 M1K%'&.0J*, <^PKE!\1]-,/BB06\W_$@;8XX_P!(.64;/JZLGU%87B?Q3J&G M:=XGFTI+X7UO>V,,PEN$9(!
(L9/E@C@'=M/^TQ:@#L-/\%>'=*U%+^RTN.*X MC+&+YV*Q;OO;$)*IG_9 IL?@;PU%J8U%-)B%P)O/4;F\M9/[XCSL#=\XS7-P M^)-?A\>ZW:V^C7E^_P!@LIA9?:T6.U)$F\L;F.-
Q.!P.=OM79>'M;M_$>@VFK MVJ21Q7*%@D@PR$$AE/N""/PH FBTBPA>_>.V56U!MUTI^*KB'7)=&T?1IM5O;>%9KK;,D M*0JV=H++-U8X)
].XK.F^(T#6>D2:=I%Y>W>IRS6\=GN6.2*:(?.C[C@8PY ZTESX9T:\M]1M[G3XI8M2 M<27:/DB5@ >O! 5<8QT]_:S3S6$,TUL;>X>,,]NSAC&Q&2I8<'!XR.*Y%_B
M3IT6E>'KZ2UG7^V+K[-Y9(S;D/L(L8'[S3],U.5(K2[DE1CN?_5B1 M 2 <4 =:MM"EJ+5(D2 )Y8C484+C& !T&*PM/\">&-*O+>ZLM)BBDM MO]0-[LD9QC,[=?
#.NZW]DE\O2)[F"2/<,R&%B"0>V<51L MO$.KW7Q1FTLVCC2O[+BG4^:F$+,_[S'4Y("8[8ST- &KJ7@?PWJU_)>WNEQR M3R[?.(=U6;'3S%4A7_X$#6]Y4?
E>5L7R]NW9CC'3&/2L[Q!KEMX=T>74;I)9 M55ECCAA&7ED9@JHH]22!63#XNO(?MJ:OX;U&SFM[4W2)!BY$R@XVJR<;\X^4 M^N!_#>DZA'?
66EQQ3Q;O)R[LL.>OEH253/^R!5MO#>D/I5QIC6* M&RN)C/+%N.&D+^86ZY^]S659>+KTZ_8:3]^@3Z;)J*2-:;B.4,47*/L.9_[1U*'3O#]WJ-MIDP@NY()4\T-@$[(L[G
##TSSC-6]0\5W*ZU<:5 MHVB3ZK%UTNX2WEEG:2:\$:?NWDD)+@_PC.T9[ 4_2_!7AW1;Y+VPTU( MKB-2L3-([B$']$#$A ?]D"LV'QO>)=Z5_:7AN[T^RU698+:>6:-
G#L"R"2,' M*9 /K@]<4G@77-8UF[\1+JEJ\:6VIR0PL9$8( J?N\+Z=<]]U %ZY\ >%KR[ MFN9](B>2:3S77>X0R=WV [0W^T!GWK;U"PM=4T^>PO81-:W"&.6,D@,IZCBN
M6\9:YK&E:]X8MM-M7FAO+UDG59$7S (G(3YNG3=G_9QWK"TWQKJNE1>*;F;2 M+_4[#3M7NC/<_:$'DPJ0=L:LH((H MWUC:ZG8S65[
D]M.A22*095E/8UCV/@CP[IUW;W=OIP%U M;-NAGDFDDD3Y2N S,3MPQ&WISTJOJWBZ>U\02Z+I>CR:E>06RW,ZBX2'",2 M%W:2Z\8N)=.L].T6]NM4OK;[7]CE(@:WB&
3*6^Z.M/U/4+>S33M'$CV;( MY>662154E@5 4+\W )R<'M6/JOBV75+?13;"[TV\A\1V]C?VK/AE.&)0E3AD M(*D'H1BK]SX^=([^_M="N[K1-/E>*YOTE0?
<.)&2,G+JI!R>.AQG% '9T4R& M:.X@CFA)/^P=-_Z":Z>H[BWAN[>2WN M88YH)%*O'(H96!Z@@@\$4 <-;Z=XB\277ZXQ8VEE9:6XNWEBN?,-U*(RB;5V MC8OSDG//0>]Z
MS:Z9JND:4\4GF:D\D4!0#:GEQESGG@84@8S5C3;UM0L4N6M+BT+,P\FY4*XP MQ&2 3UQD>Q% &)I6AW=EK_BJ\D6,0:E)"UMAN<) J'([<@USFB^%O$/A>/0-
M1M+2VOKJVTA=,O;,W'EG"MO5T<@@X)((..#7I-% 'FQ\&Z\9F\2E;/\ M[^U MAJ(LA*?*\H0^3Y/F8^]LYW8QGMCFMK0=/UZ7QKJ&O:O96]G!/80VT$$<_FNN MQW8[B
!GYL\<<@5U]4=2U>TTG[])K=E-WI>0Q3,52;"LK(6 .W*L<'!P<5CR:%KNOZK?ZQJ5G!I[#29M M.L[1;@2LS28+.[ ?*H &>YKL+2]:ZGNXVM+B 6\OEAYE 6;Y0=R<\KSC/'
M(-6Z ,SPY8S:7X7TG3[D*)[6RAADVG(W*@!P?J*Y?7/#VM3^(?$,MG:P36>L MZ-]C\UI]C0RJLH7*XY!,@YSQ7=T4 )H+^X$8@30+73SM?)\V-W M+
<>F&'-9EMX/U6+P!H6C,L/VNRU2*ZE'F?+L6Y,AP>YVFN]NKF*SM)KJ=ML4 M,;2.<9PH&3^@K,\-ZZWB/24U(;;=V,$V'@%T4W2QD JX"L< @]#@T >?7'P]\
MNK.YU>"#POH^JF]NI;BUU&ZFV^1YASME3!+;23C:>1CI7HFGPWVGRV6FI:VP MTV"R5#/&VPB5<*$6/LNW)Z\=*RKKQNG]H7=GI&B:IK+6;F.ZELUC$<;CJFYV
M7.5"DD3J<,CJ>C ]10!6\9:5S9FR,QQ(/FQT^9,?2I8K#Q/K/C#1=8U/3+33[;3X+F)HDN_.=GD51NX4 M#;E1COUS7?-X0U8?!NV\-(L!U2"*$[#)A&:.99,;L=PN,^];.@Z7J4?
MBS5];O[:.V6_M+1!$LHD*/&)-XS@9 W#![UU%% 'D_\ PKF^CT?P[+$-4T>[\+270AVZ;H\UG<;7S^\9XR,>HPIYJ*? MP=K"/?:A:BW:^A\1-JUI%))A9HS$L91B
=I(W8.#@@5Z)10!YQ?^%->\67^N MS:O;6^FP:AHXL+=(Y_.:-A(S@O@ 'DYX[>]1Z'X,NH]9TJ67PAH>E_8G\RXO M(Y?.:5@,#REP-F3SEN0..:]+HH XC3_#>L6'PYGT=
(=/FOS<3R>1=CS()4>X M9]C<=T;&<'!-9.D>"-1CDUL6NFQ:!I]]IM/&\[])<8VH ...N3Q7I MM% 'ETGAGQ'=PZ"-4T6*^LK+3_LDNEKJ11!,I 6!=0CU;6[B+2-
/TBTU'17L8H8)O,99"3\TAQR3NZC M. ,FO3J* ,7PE#J%KX6TZSU2TCM;JU@2!DCF$JD(H4,#@=<9QVJK;:+>1?$ M6_UM@GV.?38;9#N^;>LCL>/3#"NDHH
Y]QCHEWK6E6W]GO$+ZPO8;ZW68D(] MQMG:Q'(!&1GMFL36;/QQXBTG5$C6#1@]ND=O:I=;Y)'\P,[&55&P% 4&,_>) M.*[RB@#S31O!MY;>--&UF#P[8Z1:6L<\?
<2%TP&9L<@$8 R3R35F'P? MJJ?"S1?#Y6'[?9SVLDH\SY<1SJ[8/?@&O0J* "O++7POXMF\#Q^"KRQL8[65 MRLVHI=;MD)EWE1'MR7QP.<=\]J]3HH
\MU'P%/;:YK5Q#X7TK7$U*>2*]!T'33I&@V.GLMNKP0JC"VCV1[L<[5[#.:T:* // M->\&ZIK&J^++3RX1IVO6D 2[\WYH)8E( 9,<@G!R#TJ'0O!]Q'KNF7,GA#0]
M(6S)>>YBE\YY7VX'E# V#/.6YQQCO7I-% 'GI\':K_PJ-_#>V'^T#*7QYGRX M-UYO7_=_6NAET>[?XAVNM )]CCTN6U8[OFWM*C#CTPIKH:* //=+\'ZK:7^B
M32K#LL]:U"]EQ)G]W,)0F/4_.N11_P (?JO_ J1O#>V'^T#.9,>9\N/M?F] M?]W]:]"HH \QUCP=J^HZWK;7FD6FKB\?-A=WEZPBLXR@ 4PX(RIR>!\V>2*L MZ=X6US36\%R?
9()QIVFOIM^GVC:8PXC!D4X.[&P\<=17HM% 'CUE\-+JRT^' M1/\ A%M"N'BE"?VU/)N#0[LY:'&3)MXQG&>)-$O/$%OHUC9WEIK$S M7,4TUSY9M9714?
>NT[E^4$8^GO7=T4 8_A/3;C1_!^C:9=A1<6EE%#*%.1N5 M #@]^17':SX2U;4/$NK3WFCVFM0713[!->7C+#9KL *M#@@X;+9 .<]]J])HH M
\XTGPMK^CP>!I%M+>XET>":TO(_M&W"R;!O4X.[ 7..,YKL_$=GJ&H>&]1M M-*NOLNH36[I;SY(V.1P\.ZC#X;LM-_L^YWW@QSI2^#]5?X5ZMX>"P_;]XDC'F?
+A[AI%R?]TB MO0J* /,_'NE#5O&FBV%E=1B74XVLM4@5LL;1&68D@=.C)D_\]:]+ & .@ M%5H],L(=1FU&.RMTOIE"2W*Q*)'4= 6QD@8'Y5:H \VU[PGK]Z?&EE;6MN]M
MK1AN+:X-Q@JZ+$I1EQQ]QCG/IZUNQ^'[Y=7\97)$?EZM%$EM\W)*P%#GTYKK M** .(B\+ZDFD^!+9EB\S16B-W\_VVS1G;Z_,17*V_PTNK"P;18_"VAW;"8B
M+6;F3(\HOG+Q8R7"G& <'@YKV&B@#)L]0N&\17FD_946TM;:&2.=7R26+ J1 MC QMSUZ&H/&&CW&M^&KBVLB@OXV2XM&UWP?J]]];^,OLRP&34[JSN+-7DP"\
ME8LACCYN<#(&\8/> MI_^CW>@>$++3;X(+B%I2P1MP^:5V'/T85T-% ''76G:[HGB[4M9T?3X-3M] M4AA6:!
[D0/%+$"H8$@@J5//<$=ZS]'\%ZI8:GX>OKE[>2>*^O[_4#&Q"J]PC M85,\D D#\,UZ#10 5YC=?#G4+K4?%*O)$+&X@F_L@;N8HBLLA([8EC4CV-> MG44 >?
V_@_5E\.^'XK@P/J<>MIJNI,&PI8L[/M]<;@!["JUUX3U^2'7=.6UM MS;W6NPZI!<_:/O+YL3,A7'! 0\YYKTFB@#C_!'X3N-?\1R2LZQV,^AW6G22 M_,KRLA!
[\*:SFT;Q5K5EHNB:K865I:Z?<037-[%=>9]H$)!41M!7<5!.X M\#/6O0:* /,-2\->+%T/Q3X=L+"QEM]6N;JYAOI+K;M68[BACVYW9R AM]'U:R\?
V^IQVT,UA/I45E/)YVUX'C9VR%Q\P.X#J,5UU% '/^,=#N==T M-8K&2-+ZUN8;RV\W.QI(G#!6QS@X(SVS6)]]MXY\0Z7J<40M]#W6?E6\*7(D M>24L"6,BJ-@V@J,<_-GC
KNZ* /,=)\%WL'C'0=8@\-V.D6UD9A<_P"F&>XE MWQ%02Y'*@XXR2#HO"*6%CJFM;Q)1?F[_UT2W E ";!+B+Q+>ZI)H%AXE6_AA#FYF$,D,T:!">0058 'CD'/%>G44 2V\
```

MB03G_EG(5(5OP.#5RB@#R2U\":JUSX>N!X=LK.ZTZ]@GO;V6_-Q/<[>'*L1P M#DL02.@&*[/PMI>J:/K'B&*ZMHOL5YJ#WUOXO MI+4;^")4PFX]N>M=O10!Y?
J'@*>+6DU1_#UAKR3V%O;S6||XB>"6)=NY&((* MD<$=> :[+P?HTNA>'HK2XMK&VG9WEDAL4*Q(6.<#/)P, GN16]10!P?C'PY= MZOK'FS>&M.UNS\E5MW^T?9;FVD!.?
W@&2IR#P<@@\&J^G^&O$_AV?1]6C,6M M7\.F?V=?Q27!C9@)#(C([YVDE3NQD8/6O1** /.5\':U%M%U)KBYEDM=4NIL>4DC% ML2QXRQ7) P<$ =*]=HH
AL[=;2R@MD"A88UC 1=J@ 8X'8>U3444 %%%% !1 M110 4444 %%%% !1110 4444 %%%% !1110 4444 %%%% !1110 4444 % M8S^']!T/Q_X$?1W*&=
[IBHG9Q.OV9\2G).3S][ONK%L;*ZUGPOX7BCDL]0E6 M74)&TB^N7B6\ G8;@P!RR=@P(^;VKT[3O!OAO2;Q+O3]%LK:XC8LDL<0#(2" MIP>PPS# XY-/NO">@7NG0Z?
<:1:26D#M)%&8QB-F)+%>X)).<>M 'FUK=6^H M0:#X>DCU"PTPZWHVL]WYFV1(C(ENLJGYHRQ&!GG&*L^)]+T?3X6T/1M1O M(EDUO3DN;.*5@MH)&QB-NJEADD
G'!P,\^B'PSH9T3^QCI-G_9O7[-Y0V9SG M./7/.>N:2U\+Z'8V4=G;:5:Q6\5M[YVN9".!@_=SQUK/FTQ;[0]#MM6>VNH[? MQ6+2!8KQYQ!"P.83(0I8JPQGT
&:]9UCP]I&OQQ)JVG6]V(B3&94R4)ZX/49 M]J9-X8T*XT1-%ETFS;3$P4M?*'EJ0@L\%G/X8O+FZM4D8I%(H M CD)^5CEAQC.,]J]+.@:0UI=VC:;;-;WA#7,31@K*0 H+
]>%4?@*@L?"F@ M:9975G9Z3:PV]VI2X18Q^]4C&&/4C!(P?6@#A8=%M=!U+P)J-BTZWM_*(;V9 MYW8W*M;.YWY.#\R@CT[5T'Q$E?[+H=C)
<26^GW^K16U[)&Y0F(JQV%ARH9@J MDY'7'>NG?3+&3['OM8F^Q,&MLK_JB%*Y7TX)'XT^^L+34[*6SOK:*YMI1B2* M5 RL/<&@#S#6M'T[3->UCP_IT972[CP]-
=W5D)&,<4J./+<#/RD||#&=M=GX M L;:P\!:&EK$(UEL8)G).7:-23S5[3?#.B:1:7%KI^EVUO#WAM+6*VMXUB@A01QQJ,!5 P /8"@#BOA=-#;>%[G2YY$74M/OKI
M+Y&.&#&5F#GV*E2#T-9FM:YIOB1]%M+(RV^@WNN2VE[/'^Z2[9(V(=3\R.X M SQNQBNQU?P;X;UZ[%UJFBV=U< ;?-DC&XCT)[CV-79]$TJZTC^R9].M7TX* M$%J8AY8
Z +T&.U 'EGB9Y?"5YXGTWPS--;V2Z-%^*[#_A&+33 MM!OK#P[#:Z7-<(<2K K@OC@N#]\=N>U<[H'@.>T\2V.K76G:#IB6(E9(M(C; M,\CKLW.65< *6PHS]
[K0!Q]EI%O:_"G2/%*27)UN.]@*W;7#E@INQ&4QG&S: M2-N,5Z99WAL+HPQ2W.KR6K6,(C4JZ*L;!9Z]J.L6&@^&M5TO4#=^*)].>.X^R*9DN+4(2T^T[>5.UE/&6;'.
M:]+\,+I-GX:TN'3+P3VDL0:":23<\^1N+$GDL>2:T(M+L(+YKZ*TA2Z:)8#* MJ -Y8Y"9[*/2H(/#VCVOV7R--MH_LDCRVX5 !$[YW%?3.3G'K0!I4444 %%% M% !1110 4444
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MCGCW"PM%)N7^\/SHW+_>'YT<|>X6%HI-R_WA^=&Y?[P_.CGCW"PM%)N7^\/S MHW+_ 'A^='/'N%A:*3'YT;E_O M#\Z.>/<+"T4FY?[P_.C'YT;E_O#\Z.>/<+"T4FY?[
MP_.C'YT<|>X6%HI-R_WA^=&Y?[P_.CGCW"PM%)N7^\/SHW+_>'YT<|> MX6%HI-R_WA^=&Y?[P_.CGCW"PM%)N7^\/SHW+_>'YT<|>X6%HI-R_P!X?G1N
M7^\/SHYX]PL+12;E_O#\Z-R_WA^='/'N%A:*3'YT;E_O#\Z.>/<+"T4FY?[P_.C'YT<|>X6%HI-R_WA^=&Y?[P_.CGCW"PM M%)N7^\/SHW+_
'A^='/'N%A:*3'YT;E_O#\Z.>/<+"T4FY?[P_.C'YT;E_O#\Z.>/< M+"T4FY?[P_.C'YT<|>X6%HI-R_WA^=&Y?[P_.CGCW"PM%)N7^\/SHW+ M_>'YT<|>X6%HI-R_WA^=&Y?
[P_.CGCW"PM%)N7^\/SHW+_>'YT<|>X6%HI-R M_P!X?G1N7^\/SHYX]PL+12;E_O#\Z-R_WA^='/'N%A:*3'YT;E_O#\Z.>/<+"T4FY?[P_. MC'YT;E_O#\Z.>/<+"T4FY?
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%,EB$T91B0#Z4^BHJ4XU8. M$U=/1C3MJBI_9\7]Y_TH_L^+^_Z5;J&[NH+&SGN[F18K>"-I)';HJJ,DG\! M7F?V%EW_ #Z1?
M9]R+^SXO[S_I1_9\7]Y_TK!L/&$US>V*7F@WUA9ZBVVSNI MF0[VVE@'523&2H)&?H<'BNDCN8)99(HYHWDB.)$5@2GU':C^PLN_Y](/:S[D M/]GQ?WG_
$H_L^+^_Z5)'>VLJEH[F%P#@E9 <'.,?GQ0MY:O;-?]*R-,\3W-SJL.GZGH5WI?]*> M-0LF\O;=VY\P@)B0?,?0<\]#^5/-S MPMNTT8G8;EC+#<1Z@=<4?V%EW_/I!
M[6??]*>U]:()"UU HB&9"9 -@SCGTY!JG=Z]8VMW8VO MF"26^61K?8RX<(N3SGOP!]:/["R[_GT@]K/N6?[/B_O/^E']GQ?WG_2B"_BD MM[1YREO-)KRZM="OKS2+*1X[F
M_B9, H<2%$)W.JD$$@=CC.*Z1-0LI$A9;N B< Q?O!\^1D8].#Q#:Z1 M)$X>ZMY)XI>-K%"H9?KAP?IGTH_L++O^?2#VL^Y-_9\7]Y_TH_L^+^_Z51M M=?
6]U>XLH+21H[>Z-K)<;U"[A$)#@$Y(&X+QWSZ5,.-RCU([4175O.[I#/%(R8W*C@E<\C..F:/["R[_GT@]K/N0_V?%? M]*/[/B_O/^E85_XLO;?6[W3K#PW?:D+)
(WGEMYHEQO!(5V!)P#TK6L==T_4 M=)MM1MIU,5U&'A5V",Q/\.#T;((QZBC^PLN_Y](/:S[D_P#9\7]Y_P!*/[/B M_O/^E+:7J7%A'UGW(?[/B_O/^E']GQ?
WG_2K=%'A9=_SZ0>UGW*O]GQ?WG_2C^SXO[S_I2:7JD^ MT[5O"%IXBMH9C#<7,-LT+8#Q/)*L8#
3>&]P0>]=(;RV%P;UGW(O[/B_O/^E']GQ?WG_2J>D^(+?6D@GLXV:TFA>03 M,RC!5MNTKG.3U]*DN=?\ 2C^SXO[S_I6)9^-M M/O+#Q%>^5+';Z'/+#,[8_>>6NXE?
8]!ZUJZ%J]\6NZ-;ZC%%)")00\4F-T;JQ M5D;'<,"/PH_L++O^?2#VL^Y-_9\7]Y_TH_L^+^_Z5C0^+X9M96S^P72V?\ 2C^SXO[S_I4&B:NF
MM6+3B"6VFBE>">WEQNBD4X*D@D'L00>00:R;7QM!->PK-IUU;:?=/+':W\I3 M9*T89F^4'*X#VLMI=VLODW-M*5+1OM##E200592"/7UR*TZ/["R[_GT@]K
M/N5/[/B_O/\ I1_9\7]Y_P!*MT4?V%EW_/I!![6??]*/[/B_O/^E- MU34DTR")V0R23SQP11J<%G8X_(#+'V4UEV7B:XU#6IK.WT*]:RAN'MY-1,D(MB#)][Y=^\C/'W>M']A9=_P
^D'M9]S6_L^+^_Z4?V%EW_/I!>?]*Y^S\=VC^PLN_Y](/:S[G0?V%EW_/I!^E1ZOJL&C:7 M)?3))(JE42.(O*[,%1%'J68 ?6L:7QA+;Z<\D^@WZ:@MVEF+'='ND=P&4H^
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M'#+L9YHF.U=H5CAMV!M.""13QXS6.SNOM6E7<&I6\T4 T\LC/(TO^KVL&VX/ M/.>-K9Z4?V%EW_/I![6?TC6+2KM]5>Z>S M.G;T#I(B[VRQ;;MV8;=GD,O-U8JRMCN&!!
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Cover Page	6 Months Ended Jun. 30, 2024 shares
Cover [Abstract]	
Document Type	10-Q
Document Quarterly Report	true
Document Transition Report	false
Entity File Number	001-34218
Entity Registrant Name	COGNEX CORP
Entity Incorporation, State or Country Code	MA
Entity Tax Identification Number	04-2713778
Entity Address, Address Line One	One Vision Drive
Entity Address, City or Town	Natick
Entity Address, State or Province	MA
Entity Address, Postal Zip Code	01760
City Area Code	508
Local Phone Number	650-3000
Title of 12(b) Security	Common Stock, par value $.002 per share
Trading Symbol	CGNX
Security Exchange Name	NASDAQ
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
Entity Shell Company	false
Entity Common Stock, Shares Outstanding	171,500,835
Document Period End Date	Jun. 30, 2024
Entity Central Index Key	0000851205
Current Fiscal Year End Date	--12-31
Document Fiscal Year Focus	2024
Document Fiscal Period Focus	Q2
Amendment Flag	false

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Consolidated Statements of Operations - USD ($) shares in Thousands, $ in Thousands	3 Months Ended		6 Months Ended	
	Jun. 30, 2024	Jul. 02, 2023	Jun. 30, 2024	Jul. 02, 2023
Income Statement [Abstract]				
Revenue	$ 239,292	$ 242,512	$ 450,089	$ 443,636
Cost of revenue	72,693	62,829	141,553	120,213
Gross margin	166,599	179,683	308,536	323,423
Research, development, and engineering expenses	34,962	33,585	72,067	72,127
Selling, general, and administrative expenses	93,180	83,423	183,808	166,460
Loss (recovery) from fire (Note 17)	0	(2,500)	0	(2,500)
Operating income	38,457	65,175	52,661	87,336
Foreign currency gain (loss)	(181)	(1,605)	(135)	(1,211)
Investment income	3,116	4,095	6,236	7,682
Other income (expense)	176	112	372	185
Income before income tax expense	41,568	67,777	59,134	93,992
Income tax expense	5,356	10,303	10,900	10,903
Net income	$ 36,212	$ 57,474	$ 48,234	$ 83,089
Net income per weighted-average common and common-equivalent share:				
Basic (usd per share)	$ 0.21	$ 0.33	$ 0.28	$ 0.48
Diluted (usd per share)	$ 0.21	$ 0.33	$ 0.28	$ 0.48
Weighted-average common and common-equivalent shares outstanding:				
Basic (shares)	171,568	172,429	171,630	172,527
Diluted (shares)	172,733	173,622	172,699	173,791
Cash dividends per common share (usd per share)	$ 0.075	$ 0.070	$ 0.150	$ 0.140

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Consolidated Statements of Comprehensive	3 Months Ended	6 Months Ended

Income (Loss) - USD ($) $ in Thousands	Jun. 30, 2024	Jul. 02, 2023	Jun. 30, 2024	Jul. 02, 2023
Statement of Comprehensive Income [Abstract]				
Net income	$ 36,212	$ 57,474	$ 48,234	$ 83,089
Available-for-sale investments:				
Net unrealized gain (loss) on available-for-sale investments, net of tax	1,020	(1,706)	1,379	3,720
Reclassification of net realized (gain) loss on the sale of available-for-sale investments into current operations	10	0	8	0
Net change related to available-for-sale investments	1,030	(1,706)	1,387	3,720
Foreign currency translation adjustments:				
Foreign currency translation adjustments	(10,247)	(2,866)	(26,403)	(3,225)
Net change related to foreign currency translation adjustments	(10,247)	(2,866)	(26,403)	(3,225)
Other comprehensive income (loss), net of tax	(9,217)	(4,572)	(25,016)	495
Total comprehensive income (loss)	$ 26,995	$ 52,902	$ 23,218	$ 83,584

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Consolidated Statements of Comprehensive Income (Loss) (Parenthetical) - USD ($) $ in Thousands	3 Months Ended		6 Months Ended	
	Jun. 30, 2024	Jul. 02, 2023	Jun. 30, 2024	Jul. 02, 2023
Statement of Comprehensive Income [Abstract]				
Tax effect of unrealized gain (loss) on available-for-sale investments	$ 336	$ (584)	$ 453	$ 1,274

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Consolidated Balance Sheets - USD ($) $ in Thousands	Jun. 30, 2024	Dec. 31, 2023
Current assets:		
Cash and cash equivalents	$ 176,626	$ 202,655
Current investments, amortized cost of $114,177 and $132,799 in 2024 and 2023, respectively, allowance for credit losses of $0 in 2024 and 2023	112,449	129,392
Accounts receivable, allowance for credit losses of $665 and $583 in 2024 and 2023, respectively	159,305	114,164
Unbilled revenue	1,858	2,402
Inventories	157,255	162,285
Prepaid expenses and other current assets	73,524	68,099
Total current assets	681,017	678,997
Non-current investments, amortized cost of $272,613 and $250,790 in 2024 and 2023, respectively, allowance for credit losses of $0 in 2024 and 2023	266,214	244,230
Property, plant, and equipment, net	102,997	105,849
Operating lease assets	71,283	75,115
Goodwill	381,042	393,181
Intangible assets, net	98,548	112,952
Deferred income taxes	396,723	400,400
Other assets	6,260	7,088
Total assets	2,004,084	2,017,812
Current liabilities:		
Accounts payable	22,617	21,454
Accrued expenses	75,405	72,374
Accrued income taxes	20,827	16,907
Deferred revenue and customer deposits	40,529	31,525
Operating lease liabilities	9,405	9,624
Total current liabilities	168,783	151,884
Non-current operating lease liabilities	64,778	68,977
Deferred income taxes	233,798	246,877
Reserve for income taxes	28,826	26,685
Non-current accrued income taxes	0	18,338
Other liabilities	1,169	299
Total liabilities	497,354	513,060
Commitments and Contingencies		
Shareholders' equity:		
Preferred stock, $.01 par value – Authorized: 400 shares in 2024 and 2023, respectively; no shares issued and outstanding	0	0
Common stock, $.002 par value – Authorized: 300,000 shares in 2024 and 2023, respectively; issued and outstanding: 171,501 and 171,599 shares in 2024 and 2023, respectively	343	343
Additional paid-in capital	1,061,597	1,037,202
Retained earnings	515,142	512,543
Accumulated other comprehensive loss, net of tax	(70,352)	(45,336)
Total shareholders' equity	1,506,730	1,504,752
Total liabilities and shareholders' equity	$ 2,004,084	$ 2,017,812

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Consolidated Balance Sheets (Parenthetical) - USD ($) $ in Thousands	Jun. 30, 2024	Dec. 31, 2023
Statement of Financial Position [Abstract]		
Amortized cost of current investments	$ 114,177	$ 132,799
Allowance for credit losses	0	0
Allowance for credit losses, current	665	583
Amortized cost of non-current investments	272,613	250,790
Allowance for credit losses, non-current	$ 0	$ 0
Preferred stock par value (in dollars per share)	$ 0.01	$ 0.01
Preferred stock shares authorized (in shares)	400,000	400,000
Preferred stock shares issued (in shares)	0	0
Preferred stock shares outstanding (in shares)	0	0
Common stock par value (in dollars per share)	$ 0.002	$ 0.002
Common stock shares authorized (in shares)	300,000,000	300,000,000
Common stock, shares issued (in shares)	171,501,000	171,599,000
Common stock, shares outstanding (in shares)	171,501,000	171,599,000

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Consolidated Statements of Cash Flows - USD ($) $ in Thousands	6 Months Ended	
	Jun. 30, 2024	Jul. 02, 2023
Cash flows from operating activities:		
Net income	$ 48,234	$ 83,089
Adjustments to reconcile net income to net cash provided by (used in) operating activities:		
Stock-based compensation expense	26,266	29,153
Depreciation of property, plant, and equipment	10,472	8,177
(Gain) loss on disposal of property, plant, and equipment	0	(8)
Amortization of intangible assets	5,540	1,685
Excess and obsolete inventory charges	1,343	1,443
Fair value adjustment on acquired inventories (Note 18)	1,224	0

Amortization of discounts or premiums on investments	562	1,200
Realized (gain) loss on sale of investments	8	0
Change in deferred income taxes	(7,538)	(14,158)
Accounts receivable	(47,784)	(24,420)
Unbilled revenue	527	(104)
Inventories	1,145	(4,981)
Prepaid expenses and other current assets	(6,590)	(5,289)
Accounts payable	2,786	(989)
Accrued expenses	6,234	(9,219)
Accrued income taxes	(14,305)	(13,684)
Deferred revenue and customer deposits	9,374	3,160
Other	3,908	2,347
Net cash provided by (used in) operating activities	41,406	57,402
Cash flows from investing activities:		
Purchases of investments	(269,860)	(94,060)
Maturities and sales of investments	266,090	115,761
Purchases of property, plant, and equipment	(8,571)	(10,207)
Net payments related to business acquisitions (Note 18)	(1,444)	0
Net cash provided by (used in) investing activities	(13,785)	11,494
Cash flows from financing activities:		
Net payments from issuance of common stock under stock plans	(1,871)	2,655
Repurchase of common stock	(19,879)	(49,163)
Payment of dividends	(25,756)	(24,160)
Net cash provided by (used in) financing activities	(47,506)	(70,668)
Effect of foreign exchange rate changes on cash and cash equivalents	(6,144)	(2,117)
Net change in cash and cash equivalents	(26,029)	(3,889)
Cash and cash equivalents at beginning of period	202,655	181,374
Cash and cash equivalents at end of period	$ 176,626	$ 177,485

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Consolidated Statement of Shareholders' Equity - USD ($) shares in Thousands, $ in Thousands	Total	Common Stock	Additional Paid-in Capital	Retained Earnings	Accumulated Other Comprehensive Loss
Beginning Balance (in shares) at Dec. 31, 2022		172,631			
Beginning Balance at Dec. 31, 2022	$ 1,438,394	$ 345	$ 979,167	$ 528,179	$ (69,297)
Increase (Decrease) in Stockholders' Equity					
Net issuance of common stock under stock plans (in shares)		628			
Net issuance of common stock under stock plans	2,655	$ 2	2,653		
Repurchase of common stock (in shares)		(966)			
Repurchase of common stock	(49,163)	$ (2)		(49,161)	
Stock-based compensation expense	29,153		29,153		
Payment of dividends	(24,160)			(24,160)	
Net income	83,089			83,089	
Net unrealized gain (loss) on available-for-sale investments, net of tax	3,720				3,720
Reclassification of net realized (gain) loss on the sale of available-for-sale investments	0				
Foreign currency translation adjustment	(3,225)				(3,225)
Ending Balance (in shares) at Jul. 02, 2023		172,293			
Ending Balance at Jul. 02, 2023	1,480,463	$ 345	1,010,973	537,947	(68,802)
Beginning Balance (in shares) at Apr. 02, 2023		172,601			
Beginning Balance at Apr. 02, 2023	1,446,331	$ 345	992,690	517,526	(64,230)
Increase (Decrease) in Stockholders' Equity					
Net issuance of common stock under stock plans (in shares)		179			
Net issuance of common stock under stock plans	5,710	$ 1	5,709		
Repurchase of common stock (in shares)		(487)			
Repurchase of common stock	(24,985)	$ (1)		(24,984)	
Stock-based compensation expense	12,574		12,574		
Payment of dividends	(12,069)			(12,069)	
Net income	57,474			57,474	
Net unrealized gain (loss) on available-for-sale investments, net of tax	(1,706)				(1,706)
Reclassification of net realized (gain) loss on the sale of available-for-sale investments	0				
Foreign currency translation adjustment	(2,866)				(2,866)
Ending Balance (in shares) at Jul. 02, 2023		172,293			
Ending Balance at Jul. 02, 2023	$ 1,480,463	$ 345	1,010,973	537,947	(68,802)
Beginning Balance (in shares) at Dec. 31, 2023	171,599	171,599			
Beginning Balance at Dec. 31, 2023	$ 1,504,752	$ 343	1,037,202	512,543	(45,336)
Increase (Decrease) in Stockholders' Equity					
Net issuance of common stock under stock plans (in shares)		375			
Net issuance of common stock under stock plans	(1,871)		(1,871)		
Repurchase of common stock (in shares)		(473)			
Repurchase of common stock	(19,879)	$ 0		(19,879)	
Stock-based compensation expense	26,266		26,266		
Payment of dividends	(25,756)			(25,756)	
Net income	48,234			48,234	
Net unrealized gain (loss) on available-for-sale investments, net of tax	1,379				1,379
Reclassification of net realized (gain) loss on the sale of available-for-sale investments	8				8
Foreign currency translation adjustment	$ (26,403)				(26,403)
Ending Balance (in shares) at Jun. 30, 2024	171,501	171,501			
Ending Balance at Jun. 30, 2024	$ 1,506,730	$ 343	1,061,597	515,142	(70,352)
Beginning Balance (in shares) at Mar. 31, 2024		171,662			
Beginning Balance at Mar. 31, 2024	1,489,189	$ 343	1,047,643	502,338	(61,135)
Increase (Decrease) in Stockholders' Equity					
Net issuance of common stock under stock plans (in shares)		81			
Net issuance of common stock under stock plans	990	$ 0	990		
Repurchase of common stock (in shares)		(242)			
Repurchase of common stock	(10,540)	$ 0		(10,540)	
Stock-based compensation expense	12,964		12,964		
Payment of dividends	(12,868)			(12,868)	
Net income	36,212			36,212	
Net unrealized gain (loss) on available-for-sale investments, net of tax	1,020				1,020
Reclassification of net realized (gain) loss on the sale of available-for-sale investments	10				10

Foreign currency translation adjustment	$ (10,247)				(10,247)
Ending Balance (in shares) at Jun. 30, 2024	171,501	171,501			
Ending Balance at Jun. 30, 2024	$ 1,506,730	$ 343	$ 1,061,597	$ 515,142	$ (70,352)

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Consolidated Statement of Shareholders' Equity (Parenthetical) - USD ($) $ in Thousands	3 Months Ended		6 Months Ended	
	Jun. 30, 2024	Jul. 02, 2023	Jun. 30, 2024	Jul. 02, 2023
Statement of Stockholders' Equity [Abstract]				
Cash dividends per common share (usd per share)	$ 0.075	$ 0.070	$ 0.150	$ 0.140
Tax effect of unrealized gain (loss) on available-for-sale investments	$ 336	$ (584)	$ 453	$ 1,274

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Summary of Significant Accounting Policies

	6 Months Ended
	Jun. 30, 2024
Accounting Policies [Abstract]	
Summary of Significant Accounting Policies	Summary of Significant Accounting Policies

As permitted by the rules of the Securities and Exchange Commission applicable to Quarterly Reports on Form 10-Q, these notes are condensed and do not contain all disclosures required by generally accepted accounting principles (GAAP). Reference should be made to the consolidated financial statements and related notes included in the Company's Annual Report on Form 10-K for the year ended December 31, 2023 for a full description of other significant accounting policies.

In the opinion of the management of Cognex Corporation (the "Company"), the accompanying consolidated unaudited financial statements contain all adjustments, consisting of normal, recurring adjustments, adjustments related to losses and recoveries from the fire at the Company's primary contract manufacturer (Note 17), and financial statement reclassifications necessary to present fairly the Company's financial position as of June 30, 2024, and the results of its operations for the three-month and six-month periods ended June 30, 2024 and July 2, 2023, and changes in shareholders' equity, comprehensive income, and cash flows for the periods presented.

The results disclosed in the Consolidated Statements of Operations for the three-month and six-month periods ended June 30, 2024 are not necessarily indicative of the results to be expected for the full year.

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New Pronouncements

	6 Months Ended
	Jun. 30, 2024
Organization, Consolidation and Presentation of Financial Statements [Abstract]	
New Pronouncements	New Pronouncements

Accounting Standards Update (ASU) 2023-09, "Income Taxes (Topic 740): Improvements to Income Tax Disclosures"

The amendments in this ASU apply to all entities that are subject to Topic 740, Income Taxes. The amendments require public business entities to disclose specific categories in their rate reconciliation and provide additional information for reconciling items that meet a quantitative threshold. They also require all entities to disclose income taxes paid, net of refunds received, disaggregated by federal, state, and foreign taxes and by individual jurisdictions in which income taxes paid, net of refunds received, are equal to or greater than five percent of total income taxes paid. For public business entities, the amendments in this ASU are effective for annual periods beginning after December 15, 2024. The amendments in this ASU should be applied on a prospective basis. Management does not expect ASU 2023-09 to have a material impact on the Company's financial statements and disclosures.

Accounting Standards Update (ASU) 2023-07, "Segment Reporting (Topic 280): Improvements to Reportable Segment Disclosures"

The amendments in this ASU apply to all public entities, including public entities with a single reportable segment, that are required to report segment information in accordance with Topic 280, Segment Reporting. The amendments require public business entities to provide in interim and annual periods one or more measures of segment profit or loss used by the chief operating decision maker to allocate resources and assess performance. Additionally, the amendments require disclosure of significant segment expenses and other segment items, as well as incremental qualitative disclosures. The amendments in this ASU are effective for fiscal years beginning after December 15, 2023 and interim periods within fiscal years beginning after December 15, 2024. The amendments in the ASU should be applied on a retrospective basis. We did not early adopt ASU 2023-07. Management does not expect ASU 2023-07 to have a material impact on the Company's financial statements and disclosures.

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Fair Value Measurements

	6 Months Ended
	Jun. 30, 2024
Fair Value Disclosures [Abstract]	
Fair Value Measurements	Fair Value Measurements

Financial Assets and Liabilities that are Measured at Fair Value on a Recurring Basis

The following table summarizes the financial assets and liabilities required to be measured at fair value on a recurring basis as of June 30, 2024 (in thousands):

	Quoted Prices in Active Markets for Identical Assets (Level 1)	Significant Other Observable Inputs (Level 2)	Unobservable Inputs (Level 3)
Assets:			
Money market instruments	$ 583	$ —	$ —
Corporate bonds	—	316,342	—
Treasury notes	—	45,042	—
Treasury bills	—	26,394	—
Asset-backed securities	—	15,304	—
Certificate of deposit	—	7,601	—
Sovereign bonds	—	1,975	—
Economic hedge forward contracts	—	57	—
Liabilities:			
Economic hedge forward contracts	—	152	—

The Company's money market instruments are reported at fair value based upon the daily market price for identical assets in active markets, and are therefore classified as Level 1.

The Company's debt securities and forward contracts are reported at fair value based on model-driven valuations in which all significant inputs are observable or can be derived from or corroborated by observable market data for substantially the full term of the asset or liability, and are therefore classified as Level 2. Management is responsible for estimating the fair value of these financial assets and liabilities, and in doing so, considers valuations provided by a large, third-party pricing service. For debt securities, this service maintains regular contact with market makers, brokers, dealers, and analysts to gather information on market movement, direction, trends, and other specific data. They use this information to structure yield curves for various types of debt securities and arrive at the daily valuations. The Company's forward contracts are typically traded or executed in over-the-counter markets with a high degree of pricing transparency. The market participants are generally large commercial banks.

Non-financial Assets that are Measured at Fair Value on a Non-recurring Basis

Non-financial assets, such as property, plant and equipment, operating lease assets, goodwill, and intangible assets, are required to be measured at fair value only when an impairment loss is recognized. The Company did not record impairment charges related to non-financial assets during the three-month or six-month periods ended June 30, 2024 or July 2, 2023.

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Cash, Cash Equivalents, and Investments

	6 Months Ended
	Jun. 30, 2024
Cash and Cash Equivalents [Abstract]	
Cash, Cash Equivalents, and Investments	Cash, Cash Equivalents, and Investments

Cash, cash equivalents, and investments consisted of the following (in thousands):

	June 30, 2024	December 31, 2023
Cash	$ 141,508	$ 183,242
Treasury bills	26,934	—
Certificate of deposit	7,601	—
Money market instruments	583	19,413
Cash and cash equivalents	176,626	202,655
Corporate bonds	103,654	124,851
Asset-backed securities	5,346	3,551
Treasury notes	2,449	—
Sovereign bonds	1,000	990
Current investments	112,449	129,392
Corporate bonds	212,688	183,965
Treasury notes	42,593	43,523
Asset-backed securities	9,958	15,763
Sovereign bonds	975	979
Non-current investments	266,214	244,230
	$ 555,289	$ 576,277

Corporate bonds consist of debt securities issued by both domestic and foreign companies; asset-backed securities consist of debt securities collateralized by pools of receivables or loans with

credit enhancement; treasury notes consist of debt securities issued by the U.S. government; and sovereign bonds consist of direct debt issued by foreign governments. All of the Company's securities as of June 30, 2024 and December 31, 2023 were denominated in U.S. Dollars.

Accrued interest receivable is recorded in "Prepaid expenses and other current assets" on the Consolidated Balance Sheets and amounted to $4,383,000 and $3,169,000 as of June 30, 2024 and December 31, 2023, respectively.

The following table summarizes the Company's available-for-sale investments as of June 30, 2024 (in thousands):

	Amortized Cost	Gross Unrealized Gains	Gross Unrealized Losses	Fair Value
Current:				
Corporate bonds	$ 105,250	$ —	$ (1,596)	$ 103,654
Asset-backed securities	5,426	—	(80)	5,346
Treasury notes	2,500		(51)	2,449
Sovereign bonds	1,001	—	(1)	1,000
Non-current:				
Corporate bonds	217,537	73	(4,922)	212,688
Treasury notes	43,362	—	(769)	42,593
Asset-backed securities	10,689	—	(731)	9,958
Sovereign bonds	1,025	—	(50)	975
	$ 386,790	**$ 73**	**$ (8,200)**	**$ 378,663**

The following table summarizes the Company's available-for-sale investments as of December 31, 2023 (in thousands):

	Amortized Cost	Gross Unrealized Gains	Gross Unrealized Losses	Fair Value
Current:				
Corporate bonds	$ 128,150	$ —	$ (3,299)	$ 124,851
Asset-backed securities	3,637	—	(86)	3,551
Sovereign bonds	1,012	—	(22)	990
Non-current:				
Corporate bonds	189,326	506	(5,867)	183,965
Treasury notes	43,654	82	(213)	43,523
Asset-backed securities	16,773	—	(1,010)	15,763
Sovereign bonds	1,037	—	(58)	979
	$ 383,589	**$ 588**	**$ (10,555)**	**$ 373,622**

The following table summarizes the Company's gross unrealized losses and fair values for available-for-sale investments in an unrealized loss position as of June 30, 2024 (in thousands):

	Unrealized Loss Position For:					
	Less than 12 Months		12 Months or Greater		Total	
	Fair Value	Unrealized Losses	Fair Value	Unrealized Losses	Fair Value	Unrealized Losses
Corporate bonds	$ 93,328	$ (962)	$ 203,251	$ (5,556)	$ 296,579	$ (6,518)
Treasury notes	22,107	(284)	22,936	(536)	45,043	(820)
Asset-backed securities	9,599	(716)	5,705	(95)	15,304	(811)
Sovereign bonds	—	—	1,974	(51)	1,974	(51)
	$ 125,034	**$ (1,962)**	**$ 233,866**	**$ (6,238)**	**$ 358,900**	**$ (8,200)**

The following table summarizes the Company's gross unrealized losses and fair values for available-for-sale investments in an unrealized loss position as of December 31, 2023 (in thousands):

	Unrealized Loss Position For:					
	Less than 12 Months		12 Months or Greater		Total	
	Fair Value	Unrealized Losses	Fair Value	Unrealized Losses	Fair Value	Unrealized Losses
Corporate bonds	$ 30,770	$ (359)	$ 226,643	$ (8,807)	$ 257,413	$ (9,166)
Treasury notes	20,725	(153)	2,441	(60)	23,166	(213)
Asset-backed securities	17,062	(1,049)	2,252	(47)	19,314	(1,096)
Sovereign bonds	—	—	1,968	(80)	1,968	(80)
	$ 68,557	**$ (1,561)**	**$ 233,304**	**$ (8,994)**	**$ 301,861**	**$ (10,555)**

Management monitors debt securities that are in an unrealized loss position to determine whether a loss exists related to the credit quality of the issuer. When developing an estimate of expected credit losses, management considers all relevant information including historical experience, current conditions, and reasonable forecasts of expected future cash flows. Based on this evaluation, no allowance for credit losses on debt securities was recorded as of June 30, 2024 or December 31, 2023. Management currently intends to hold these securities to full value recovery at maturity.

The following table summarizes the Company's gross realized gains and losses on the sale of debt securities for the three-month periods ended June 30, 2024 and July 2, 2023 (in thousands):

	Three-months Ended		Six-months Ended	
	June 30, 2024	July 2, 2023	June 30, 2024	July 2, 2023
Gross realized gains	**$ 6**	$ —	**$ 8**	$ —
Gross realized losses	**(16)**	—	**(16)**	—
Net realized gains (losses)	**$ (10)**	$ —	**$ (8)**	$ —

Realized gains and losses are included in "Investment income" on the Consolidated Statements of Operations. Prior to the sale of these securities, unrealized gains and losses for these debt securities, net of tax, were recorded in shareholders' equity as accumulated other comprehensive income (loss).

The following table presents the effective maturity dates of the Company's available-for-sale investments as of June 30, 2024 (in thousands):

	<1 year	1-2 Years	2-3 Years	3-4 Years	4-5 Years	5-8 Years	Total
Corporate bonds	$ 103,654	$ 59,638	$ 57,273	$ 61,410	$ 34,367	$ —	$ 316,342
Treasury notes	2,449	987	18,909	22,697	—		45,042
Asset-backed securities	5,346	4,060	—	—	2,162	3,736	15,304
Sovereign bonds	1,000	975	—	—	—	—	1,975
	$ 112,449	**$ 65,660**	**$ 76,182**	**$ 84,107**	**$ 36,529**	**$ 3,736**	**$ 378,663**

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Inventories

6 Months Ended
Jun. 30, 2024

Inventory Disclosure [Abstract]

Inventories — Inventories

Inventories consisted of the following (in thousands):

	June 30, 2024	December 31, 2023
Raw materials	**$ 97,031**	$ 93,201
Work-in-process	**4,344**	5,747
Finished goods	**55,880**	63,337
	$157,255	$162,285

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Leases

6 Months Ended
Jun. 30, 2024

Leases [Abstract]

Leases — Leases

The Company's leases are primarily leased properties across different worldwide locations where the Company conducts its operations. All of these leases are classified as operating leases. Certain leases may contain options to extend or terminate the lease at the Company's sole discretion. As of June 30, 2024, there were no options to terminate and twenty options to extend that were accounted for in the determination of the lease term for the Company's outstanding leases. Certain leases contain leasehold improvement incentives, retirement obligations, escalating clauses, rent holidays, and variable payments tied to a consumer price index. There were no restrictions or covenants for outstanding leases as of June 30, 2024.

The total operating lease expense for the three-month and six-month periods ended June 30, 2024 was $3,474,000 and $7,037,000, respectively. The total operating lease cash payments for the three-month and six-month periods ended June 30, 2024 were $3,406,000 and $6,614,000, respectively. The total lease expense for leases with a term of twelve months or less for which the Company elected not to recognize a lease asset or lease liability for the three-month and six-month periods ended June 30, 2024 was $57,000 and $139,000, respectively.

The total operating lease expense for the three-month and six-month periods ended July 2, 2023 was $2,639,000 and $5,031,000, respectively. The total operating lease cash payments for the three-month and six-month periods ended July 2, 2023 were $2,364,000 and $4,768,000, respectively. The total lease expense for leases with a term of twelve months or less for which the Company elected not to recognize a lease asset or lease liability for the three-month and six-month periods ended July 2, 2023 was $136,000 and $160,000, respectively.

Future operating lease cash payments are as follows (in thousands):

Year Ended December 31,	Amount
Remainder of fiscal 2024	$ 6,876
2025	12,011
2026	9,944
2027	9,107
2028	8,659
2029	8,078
Thereafter	44,328
	$ 99,003

The discounted present value of the future lease cash payments resulted in a total lease liability of $74,183,000 and $78,601,000 as of June 30, 2024 and December 31, 2023, respectively. The Company did not have any leases that had not yet commenced but that created significant rights and obligations as of June 30, 2024.

The Company leases a building in Singapore that serves as a distribution center for customers in Asia. The lease contains two components: an 88,000 square-foot premises that had a commencement date in June of 2023 and a second 27,000 square-foot premises that does not commence until the fourth quarter of 2025. Accordingly, the second component of the lease has not yet been recorded on the Consolidated Balance Sheets, nor has it created any significant rights and obligations as of June 30, 2024. This second lease component has an original term of eight years and the Company has the right and option to extend this term by an additional five years, commencing upon the expiration of the original term. Future payment obligations associated with this

lease component total $13,231,000, none of which is payable in 2024 and which reflects the estimated extension period of five years. Future payment obligations related to this lease component are not included in the future operating lease cash payments table above.

The weighted-average discount rate was 5.7% for the leases outstanding as of both June 30, 2024 and December 31, 2023. The weighted-average remaining lease term was 10.2 and 10.5 years for the leases outstanding as of June 30, 2024 and December 31, 2023, respectively.

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Goodwill

6 Months Ended
Jun. 30, 2024

Goodwill and Intangible Assets Disclosure [Abstract]

Goodwill — Goodwill

The changes in the carrying value of goodwill were as follows (in thousands):

Balance as of December 31, 2023	$ 393,181
Foreign exchange rate changes	(12,139)
Balance as of June 30, 2024	**$ 381,042**

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Intangible Assets

6 Months Ended
Jun. 30, 2024

Goodwill and Intangible Assets Disclosure [Abstract]

Intangible Assets — Intangible Assets

Amortized intangible assets consisted of the following (in thousands):

	Gross Carrying Value	Accumulated Amortization	Net Carrying Value
Customer relationships	**$ 70,394**	**$ (7,753)**	**$ 62,641**
Completed technologies	**58,612**	**(23,401)**	**35,211**
Trademarks	**792**	**(176)**	**616**
Non-compete agreements	**340**	**(260)**	**80**
Balance as of June 30, 2024	**$ 130,138**	**$ (31,590)**	**$ 98,548**

	Gross Carrying Value	Accumulated Amortization	Net Carrying Value
Customer relationships	$ 75,965	$ (5,352)	$ 70,613
Completed technologies	62,123	(20,745)	41,378
Trademarks	903	(50)	853
Non-compete agreements	340	(232)	108
Balance as of December 31, 2023	$ 139,331	$ (26,379)	$ 112,952

As of June 30, 2024, estimated future amortization expense related to intangible assets was as follows (in thousands):

Year Ended December 31,	Amount
Remainder of fiscal 2024	$ 5,247
2025	10,267
2026	9,918
2027	8,976
2028	8,246
2029	8,246
Thereafter	47,648
	$ 98,548

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Warranty Obligations

6 Months Ended
Jun. 30, 2024

Product Warranties Disclosures [Abstract]

Warranty Obligations — Warranty Obligations

The Company records the estimated cost of fulfilling product warranties at the time of sale based upon historical costs to fulfill claims. Obligations may also be recorded subsequent to the time of sale whenever specific events or changes in circumstances impacting product quality become known that would not have been taken into account using historical data. While we engage in extensive product quality programs and processes, including actively monitoring and evaluating the quality of our component suppliers and third-party contract manufacturers, the Company's warranty obligation is affected by product failure rates, material usage, and service delivery costs incurred in correcting a product failure. An adverse change in any of these factors may result in the need for additional warranty provisions. Warranty obligations are included in "Accrued expenses" on the Consolidated Balance Sheets.

The changes in the warranty obligation were as follows (in thousands):

Balance as of December 31, 2023	$ 4,244
Provisions for warranties issued during the period	2,120
Fulfillment of warranty obligations	(1,990)
Foreign exchange rate changes	(20)
Balance as of June 30, 2024	**$ 4,354**

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Commitment and Contingencies

6 Months Ended
Jun. 30, 2024

Commitments and Contingencies Disclosure [Abstract]

Commitments and Contingencies — Commitments and Contingencies

As of June 30, 2024, the Company had outstanding purchase orders totaling $43,078,000 to procure inventory from various vendors. Certain of these purchase orders may be canceled by the Company, subject to cancellation penalties. These purchase commitments relate primarily to expected sales in the next twelve months.

A significant portion of the Company's outstanding inventory purchase orders as of June 30, 2024, as well as additional preauthorized commitments to procure strategic components based on the Company's expected customer demand, are placed with the Company's primary contract manufacturer for the Company's assembled products. The Company has the obligation to purchase any non-cancelable and non-returnable components that have been purchased by the contract manufacturer with the Company's preauthorization, when these components have not been consumed within the period defined in the terms of the Company's agreement with this contract manufacturer. While the Company typically expects such purchased components to be used in future production of Cognex finished goods, these components are considered in the Company's reserve estimate for excess and obsolete inventory. Furthermore, the Company accrues for losses on commitments for the future purchase of non-cancelable and non-returnable components from this contract manufacturer at the time that circumstances, such as changes in demand, indicate that the value of the components may not be recoverable, the loss is probable, and management has the ability to reasonably estimate the amount of the loss.

Various claims and legal proceedings generally incidental to the normal course of business are pending or threatened on behalf of or against the Company. While we cannot predict the outcome of these matters, we believe that any liability arising from them will not have a material adverse effect on our financial position, liquidity, or results of operations.

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Derivative Instruments

6 Months Ended
Jun. 30, 2024

Derivative Instruments and Hedging Activities Disclosure [Abstract]

Derivative Instruments — Derivative Instruments

The Company's foreign currency risk management strategy is principally designed to mitigate the potential financial impact of changes in the value of transactions and balances denominated in foreign currencies resulting from changes in foreign currency exchange rates. The Company enters into economic hedges utilizing foreign currency forward contracts with maturities that do not exceed approximately three months to manage the exposure to fluctuations in foreign currency exchange rates arising primarily from foreign-denominated receivables and payables. The gains and losses on these derivatives are intended to be offset by the changes in the fair value of the assets and liabilities being hedged. These economic hedges are not designated as hedging instruments for hedge accounting treatment.

The Company had the following outstanding forward contracts (in thousands):

	June 30, 2024		December 31, 2023	
Currency	Notional Value	USD Equivalent	Notional Value	USD Equivalent
Derivatives Not Designated as Hedging Instruments:				
Singapore Dollar	**40,700**	**$ 30,041**	39,700	$ 30,136
Euro	**22,000**	**23,577**	40,000	44,302
Chinese Renminbi	**100,000**	**13,711**	50,000	7,025
Mexican Peso	**215,000**	**11,663**	145,000	8,505
Hungarian Forint	**2,180,000**	**5,883**	2,240,000	6,466
British Pound	**3,245**	**4,112**	3,345	4,258
Japanese Yen	**600,000**	**3,750**	600,000	4,255
Swiss Franc	**1,675**	**1,875**	—	—
Canadian Dollar	**1,660**	**1,212**	1,470	1,112

Information regarding the fair value of the outstanding forward contracts was as follows (in thousands):

		Asset Derivatives			Liability Derivatives		
	Balance Sheet Location	Fair Value			Balance Sheet Location	Fair Value	
		June 30, 2024	December 31, 2023			June 30, 2024	December 31, 2023
Derivatives Not Designated as Hedging Instruments:							
Economic hedge forward contracts	Prepaid expenses and other current assets	$ 57	$ 151		Accrued expenses	$ 152	$ 106

The following table presents the gross activity for all derivative assets and liabilities which were presented on a net basis on the Consolidated Balance Sheets due to the right of offset with each counterparty (in thousands):

Asset Derivatives			Liability Derivatives		
	June 30, 2024	December 31, 2023		June 30, 2024	December 31, 2023
Gross amounts of recognized assets	$ 57	$ 151	Gross amounts of recognized liabilities	$ 152	$ 106
Gross amounts offset	—	—	Gross amounts offset	—	—
Net amount of assets presented	$ 57	$ 151	Net amount of liabilities presented	$ 152	$ 106

Information regarding the effect of derivative instruments on the consolidated financial statements was as follows (in thousands):

		Three-months Ended		Six-months Ended	
Location in Financial Statements		June 30, 2024	July 2, 2023	June 30, 2024	July 2, 2023
Derivatives Not Designated as Hedging Instruments:					
Gains (losses) recognized in current operations	Foreign currency gain (loss)	$ 876	$ 859	$ 631	$ (612)

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Revenue Recognition

6 Months Ended
Jun. 30, 2024

Revenue from Contract with Customer [Abstract]

Revenue Recognition

Revenue Recognition

The following table summarizes disaggregated revenue information by geographic area based upon the customer's country of domicile (in thousands):

	Three-months Ended		Six-months Ended	
	June 30, 2024	July 2, 2023	June 30, 2024	July 2, 2023
Americas	$ 85,162	$ 82,297	$ 168,297	$ 162,911
Europe	57,151	56,860	109,505	116,702
Greater China	54,410	72,351	84,459	105,351
Other Asia	42,569	31,004	87,828	58,672
	$ 239,292	$ 242,512	$ 450,089	$ 443,636

The following table summarizes disaggregated revenue information by revenue type (in thousands):

	Three-months Ended		Six-months Ended	
	June 30, 2024	July 2, 2023	June 30, 2024	July 2, 2023
Standard products and services	$ 200,856	$ 194,944	$ 388,488	$ 385,727
Application-specific customer solutions	38,436	47,568	61,601	57,909
	$ 239,292	$ 242,512	$ 450,089	$ 443,636

Costs to Fulfill a Contract

Costs to fulfill a contract are included in "Prepaid expenses and other current assets" on the Consolidated Balance Sheet and amounted to $11,310,000 and $13,265,000 as of June 30, 2024 and December 31, 2023, respectively.

Accounts Receivable, Contract Assets, and Contract Liabilities

Accounts receivable represent amounts billed and currently due from customers which are reported at their net estimated realizable value. The Company maintains an allowance against its accounts receivable for credit losses. Contract assets consist of unbilled revenue which arises when revenue is recognized in advance of billing for certain application-specific customer solutions contracts. Contract liabilities consist of deferred revenue and customer deposits which arise when amounts are billed to or collected from customers in advance of revenue recognition.

The following table summarizes the allowance for credit losses activity for the six-month period ended June 30, 2024 (in thousands):

Balance as of December 31, 2023	$ 583
Increases to the allowance for credit losses	100
Write-offs, net of recoveries	(19)
Foreign exchange rate changes	1
Balance as of June 30, 2024	$ 665

The following table summarizes the deferred revenue and customer deposits activity for the six-month period ended June 30, 2024 (in thousands):

Balance as of December 31, 2023	$ 31,525
Deferral of revenue billed in the current period, net of recognition	30,777
Recognition of revenue deferred in prior period	(21,271)
Foreign exchange rate changes	(502)
Balance as of June 30, 2024	$ 40,529

As a practical expedient, the Company has elected not to disclose the aggregate amount of the transaction price allocated to unsatisfied performance obligations for our contracts that have an original expected duration of less than one year. The remaining unsatisfied performance obligations for our contracts that have an original expected duration of more than one year, primarily related to extended warranties, are not material.

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Stock-Based Compensation Expense

6 Months Ended
Jun. 30, 2024

Share-Based Payment Arrangement [Abstract]

Stock-Based Compensation Expense

Stock-Based Compensation Expense

Stock Plans

The Company's stock-based awards that result in compensation expense consist of stock options, restricted stock units ("RSUs"), and performance restricted stock units ("PRSUs"). In May 2023, the shareholders of the Company approved the Cognex Corporation 2023 Stock Option and Incentive Plan (the "2023 Plan"). The 2023 Plan permits awards of stock options (both incentive and non-qualified options), stock appreciation rights, RSUs, and PRSUs. Up to 8,100,000 shares of common stock (subject to adjustment in the event of stock splits and other similar events) may be issued pursuant to awards granted under the 2023 Plan. In connection with the approval of the 2023 Plan, no further awards will be made under the Cognex Corporation 2001 General Stock Option Plan, as amended and restated (the "2001 Plan"), and the Cognex Corporation 2007 Stock Option and Incentive Plan, as amended and restated (the "2007 Plan"). With the approval of the 2023 Plan, the 10,610,800 shares of common stock subject to awards granted under the 2001 Plan and the 2007 Plan that were outstanding as of May 3, 2023 may become eligible for issuance under the 2023 Plan if such awards are forfeited, cancelled or otherwise terminated (other than by exercise) (the "Carryover Shares"). As of June 30, 2024, forfeitures, cancellations, and other terminations from the 2001 Plan and the 2007 Plan have resulted in 777,455 Carryover Shares, raising the authorized total shares that may be issued under the 2023 Plan to 8,877,455.

As of June 30, 2024, the Company had 5,958,000 shares available for grant under its stock plans. Stock options are granted with an exercise price equal to the market value of the Company's common stock at the grant date and generally vest over four or five years based upon continuous service and expire ten years from the grant date. RSUs generally vest upon three or four years of continuous employment or incrementally over such three or four-year periods. PRSUs generally vest upon three years of continuous employment and achievement of performance criteria established by the Compensation Committee of our Board of Directors on or prior to the grant date. Participants are not entitled to dividends on stock options, RSUs, or PRSUs.

Stock Options

The following table summarizes the Company's stock option activity for the six-month period ended June 30, 2024:

	Shares (in thousands)	Weighted-Average Exercise Price	Weighted-Average Remaining Contractual Term (in years)	Aggregate Intrinsic Value (in thousands)
Outstanding as of December 31, 2023	9,008	$ 50.87		
Granted	1,620	39.74		
Exercised	(112)	23.52		
Forfeited or expired	(397)	56.39		
Outstanding as of June 30, 2024	10,119	$ 49.17	6.10	$ 35,881
Exercisable as of June 30, 2024	5,880	$ 49.22	4.31	$ 22,854
Options vested or expected to vest as of June 30, 2024 (1)	9,413	$ 49.36	5.89	$ 33,342

(1) In addition to the vested options, the Company expects a portion of the unvested options to vest at some point in the future. Options expected to vest are calculated by applying an estimated forfeiture rate to the unvested options.

The total cash received as a result of stock option exercises for the three-month and six-month periods ended June 30, 2024 was $1,516,000 and $2,637,000, respectively, and for the three-month and six-month periods ended July 2, 2023 was $6,141,000 and $10,118,000, respectively. In connection with these exercises, the tax expense realized by the Company for the three-month and six-month periods ended June 30, 2024 was $2,043,000 and $2,072,000, respectively, and for the three-month and six-month periods ended July 2, 2023 was $2,426,000 and $3,893,000, respectively.

The fair values of stock options granted in each period presented were estimated using the following weighted-average assumptions:

	Three-months Ended		Six-months Ended	
	June 30, 2024	July 2, 2023	**June 30, 2024**	July 2, 2023
Risk-free rate	**4.5 %**	3.5 %	**4.3 %**	3.9 %
Expected dividend yield	**0.67 %**	0.56 %	**0.75 %**	0.59 %
Expected volatility	**39 %**	39 %	**39 %**	39 %
Expected term (in years)	**4.7**	5.9	**4.7**	4.9

Risk-free rate

The risk-free rate was based upon a treasury instrument whose term was consistent with the contractual term of the option.

Expected dividend yield

The current dividend yield was calculated by annualizing the cash dividend declared by the Company's Board of Directors and dividing that result by the closing stock price on the grant date.

Expected volatility

The expected volatility was based upon a combination of historical volatility of the Company's common stock over the contractual term of the option and implied volatility for traded options of the Company's stock.

Expected term

The expected term was derived from the binomial lattice model from the impact of events that trigger exercises over time.

The weighted-average grant-date fair values of stock options granted during the three-month and six-month periods ended June 30, 2024 were $18.46 and $14.89, respectively, and during the three-month and six-month periods ended July 2, 2023 were $20.09 and $17.86, respectively.

The total intrinsic values of stock options exercised for the three-month and six-month periods ended June 30, 2024 were $994,000 and $2,049,000, respectively, and for the three-month and six-month periods ended July 2, 2023 were $2,123,000 and $5,562,000, respectively. The total fair values of stock options vested for the three-month and six-month periods ended June 30, 2024 were $698,000 and $26,209,000, respectively, and for the three-month and six-month periods ended July 2, 2023 were $892,000 and $32,073,000, respectively.

Restricted Stock Units (RSUs)

The following table summarizes the Company's RSUs activity for the six-month period ended June 30, 2024:

	Shares (in thousands)	**Weighted-Average Grant Date Fair Value**
Nonvested as of December 31, 2023	1,429	$ 54.22
Granted	797	39.03
Vested	(375)	65.58
Forfeited or expired	(55)	49.86
Nonvested as of June 30, 2024	**1,796**	**$ 45.23**

The fair value of RSUs is determined based on the observable market price of the Company's stock on the grant date less the present value of expected future dividends. The weighted-average grant-date fair values of RSUs granted during the three-month and six-month periods ended June 30, 2024 were $43.97 and $39.03, respectively, and during the three-month and six-month periods ended July 2, 2023 were $52.53 and $46.86, respectively. There were 36,000 and 375,000 RSUs that vested during the three-month and six-month periods ended June 30, 2024, respectively, and 29,000 and 482,000 that vested during the three-month and six-month periods ended July 2, 2023, respectively.

Tax obligations for vested RSUs are settled by withholding a portion of the shares prior to distribution to the shareholder. The total cash used by the Company to fund the tax payments for the three-month and six-month periods ended June 30, 2024 was $526,000 and $4,507,000, respectively, and for the three-month and six-month periods ended July 2, 2023 was $432,000 and $7,464,000, respectively. In connection with these vested RSUs, the tax expense realized by the Company for the three-month and six-month periods ended June 30, 2024 was $2,074,000 and $6,867,000, respectively, and for the three-month and six-month periods ended July 2, 2023 was $150,000 and $3,476,000, respectively.

Performance Restricted Stock Units (PRSUs)

The following table summarizes the Company's PRSUs activity for the six-month period ended June 30, 2024:

	Shares (in thousands)	**Weighted-Average Grant Date Fair Value**
Nonvested as of December 31, 2023	79	$ 52.23
Granted	55	39.05
Vested	—	—
Forfeited or expired	—	—
Nonvested as of June 30, 2024	**134**	**$ 46.82**

The fair value of PRSUs is calculated using the Monte Carlo simulation model to estimate the probability of satisfying the service and market conditions stipulated in the award grant. There were 0 and 55,000 PRSUs granted during the three-month and six-month periods ended June 30, 2024, respectively, and 0 and 46,000 granted during the three-month and six-month periods ended July 2, 2023, respectively. No PRSUs vested during the three-month and six-month periods ended June 30, 2024 and July 2, 2023.

Stock-Based Compensation Expense

The Company stratifies its employee population into three groups: one consisting of the CEO, one consisting of senior management, and another consisting of all other employees. The Company currently applies an estimated annual forfeiture rate of 0% to all stock-based awards for the CEO, 9% to all stock-based awards for senior management, and a rate of 13% for all other employees. Each year during the first quarter, the Company revises its forfeiture rate based on updated estimates of employee turnover. This resulted in a decrease to compensation expense of $1,832,000 in 2024 and $234,000 in 2023.

As of June 30, 2024, total unrecognized compensation expense, net of estimated forfeitures, related to non-vested equity awards, including stock options, RSUs, and PRSUs, was $75,507,000, which is expected to be recognized over a weighted-average period of 1.9 years.

The total stock-based compensation expense and the related income tax benefit recognized for the three-month period ended June 30, 2024 were $12,964,000 and $2,027,000, respectively, and for the six-month period ended June 30, 2024 were $26,266,000 and $3,772,000, respectively. The total stock-based compensation expense and the related income tax benefit recognized for the three-month period ended July 2, 2023 were $12,574,000 and $1,892,000, respectively, and for the six-month period ended July 2, 2023 were $29,153,000 and $4,200,000, respectively. No compensation expense was capitalized as of June 30, 2024 or December 31, 2023.

The following table presents the stock-based compensation expense by caption for each period presented on the Consolidated Statements of Operations (in thousands):

	Three-months Ended		Six-months Ended	
	June 30, 2024	July 2, 2023	**June 30, 2024**	July 2, 2023
Cost of revenue	**$ 413**	$ 441	**$ 1,018**	$ 1,062
Research, development, and engineering	**3,540**	3,308	**7,929**	9,198
Selling, general, and administrative	**9,011**	8,825	**17,319**	18,893
	$ 12,964	$ 12,574	**$ 26,266**	$ 29,153

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Stock Repurchase Program	**6 Months Ended Jun. 30, 2024**
Equity [Abstract]	
Stock Repurchase Program	Stock Repurchase ProgramIn March 2022, the Company's Board of Directors authorized the repurchase of $500,000,000 of the Company's common stock. Under this March 2022 program, in addition to repurchases made in prior years, the Company repurchased 966,000 shares at a total cost of $49,163,000 during the six-month period ended July 2, 2023 and 473,000 shares at a total cost of $19,879,000 during the six-month period ended June 30, 2024, leaving a remaining balance of $313,013,000 as of June 30, 2024. The Company may repurchase shares under this program in future periods depending on a variety of factors, including, among other things, the impact of dilution from employee stock awards, stock price, share availability, and cash requirements. The Company is authorized to make repurchases of its common stock through open market purchases, pursuant to Rule 10b5-1 trading plans, or in privately negotiated transactions.

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Income Taxes	**6 Months Ended Jun. 30, 2024**
Income Tax Disclosure [Abstract]	
Income Taxes	Income Taxes

The Company's effective tax rate was 13% and 18% for the three-month and six-month periods ended June 30, 2024, respectively, and 15% and 12% for the three-month and six-month periods ended July 2, 2023, respectively.

The Company has defined its major tax jurisdictions as the United States, Ireland, China, Japan, and Korea, and within the United States, Massachusetts. The statutory tax rate is 12.5% in Ireland, 25% in China, 34.6% in Japan, and 21% in Korea, compared to the U.S. federal statutory corporate tax rate of 21%. These foreign tax rate differences resulted in a favorable impact to the effective tax rate for both the three-month and six-month periods ended June 30, 2024 and July 2, 2023.

The Company recorded a net discrete tax benefit totaling $463,000 and a net discrete tax expense totaling $2,622,000 for the three-month and six-month periods ended June 30, 2024, and a net discrete tax expense totaling $399,000 and a net discrete tax benefit totaling $3,195,000 for the same periods in 2023.

Discrete tax items for the six-month period ended June 30, 2024 included (1) an increase in tax expense of $1,371,000 related to stock-based compensation; (2) an increase in tax expense of $477,000 related to state tax matters; (3) an increase in tax expense of $922,000 for interest expense related to tax reserves; (4) a net decrease in tax expense of $1,278,000 related to return-to-provision adjustments; and (5) an increase in tax expense of $1,130,000 for other tax matters.

Discrete tax items for the six-month period ended July 2, 2023 included (1) an increase in tax expense of $1,766,000 related to stock-based compensation; (2) a net decrease in tax expense of $3,051,000 due primarily to the release of tax reserves on state tax credits and foreign audit settlements; (3) a decrease in tax expense of $2,198,000 for adjustments to certain deferred tax assets; and (4) a net increase in tax expense of $288,000 for return-to-provision adjustments.

The Company's reserve for income taxes, including gross interest and penalties, was $31,193,000 as of June 30, 2024, of which $28,826,000 was classified as a non-current liability and $2,367,000 was classified as an offset to deferred tax assets. If the Company's tax positions were sustained or the statutes of limitations related to certain positions expired, these reserves would be released and income tax expense would be reduced in a future period.

Within the United States, the tax years 2020 through 2022 remain open to examination by the IRS, and 2019 through 2022 remain open to examination by various state tax authorities. The tax years 2017 through 2023 remain open to examination by various international taxing authorities in other jurisdictions in which the Company operates.

In October 2021, more than 135 countries and jurisdictions agreed to participate in a "two-pillar" international tax approach developed by the Organisation for Economic Co-operation and Development (OECD), which includes establishing a global minimum corporate tax rate of 15%. The OECD published "Tax Challenges Arising from the Digitalisation of the Economy — Global Anti-Base Erosion Model Rules (Pillar Two)" in December 2021 and subsequently issued additional commentary and administrative guidance clarifying several aspects of the model rules. Since the model rules have been released, many countries have now enacted Pillar Two-related laws, some of which became effective January 1, 2024, and it is anticipated that more countries will follow suit throughout 2024. As of June 30, 2024, the Company does not expect Pillar Two taxes to have a significant impact on its 2024 financial statements.

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Weighted-Average Shares	**6 Months Ended Jun. 30, 2024**
Earnings Per Share [Abstract]	
Weighted-Average	Weighted-Average Shares

Shares

Weighted-average shares were calculated as follows (in thousands):

	Three-months Ended		Six-months Ended	
	June 30, 2024	July 2, 2023	**June 30, 2024**	July 2, 2023
Basic weighted-average common shares outstanding	**171,568**	172,429	**171,630**	172,527
Effect of dilutive equity awards	**1,165**	1,193	**1,069**	1,264
Weighted-average common and common-equivalent shares outstanding	**172,733**	173,622	**172,699**	173,791

Stock options to purchase 8,325,000 and 8,415,000 shares of common stock, on a weighted-average basis, were outstanding during the three-month and six-month periods ended June 30, 2024, respectively, and 6,890,000 and 6,713,000 during the three-month and six-month periods ended July 2, 2023, respectively, but were not included in the calculation of dilutive net income per share because they were anti-dilutive. Restricted stock units totaling 1,000 and 9,000 shares of common stock, on a weighted-average basis, were outstanding during the three-month and six-month periods ended June 30, 2024, respectively, and 3,000 and 1,000 during the three-month and six-month periods ended July 2, 2023, respectively, but were not included in the calculation of dilutive net income per share because they were anti-dilutive. No PRSUs were excluded in the calculation of dilutive net income per share for the three-month and six-month periods ended June 30, 2024 and July 2, 2023, respectively, as PRSUs were not anti-dilutive on a weighted-average basis.

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Loss (Recovery) from Fire	**6 Months Ended Jun. 30, 2024**
Unusual or Infrequent Items, or Both [Abstract]	
Loss (Recovery) from Fire	Loss (Recovery) from Fire

On June 7, 2022, the Company's primary contract manufacturer experienced a fire at its plant in Indonesia, destroying a significant amount of Cognex-owned consigned inventories.

During the three-month period ended July 2, 2023, the Company recorded a recovery related to the fire of $2,500,000 for proceeds received from the Company's insurance carrier in relation to a business interruption claim. This recovery amount is presented in the caption "Loss (recovery) from fire" on the Consolidated Statements of Operations.

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Business Combinations	**6 Months Ended Jun. 30, 2024**
Business Combination, Asset Acquisition, and Joint Venture Formation [Abstract]	
Business Combinations	Business Combinations

On October 18, 2023, the Company acquired all the outstanding shares of Moritex Corporation ("Moritex"), a global provider of premium optical components based in Japan, for an enterprise value of ¥40 billion Japanese Yen, or approximately $270 million U.S. Dollars based on the closing date foreign exchange rate.

The cash-free, debt-free enterprise value was adjusted by cash acquired, debt assumed, and final working capital balances to arrive at total consideration to be allocated to assets acquired and liabilities assumed of ¥44,376,245,000 ($296,138,000 based on the closing date foreign exchange rate), of which ¥44,227,414,000 ($295,144,000) was paid in cash on the closing date and ¥148,831,000 ($994,000) was paid during the three-month period ended March 31, 2024 as a final purchase price adjustment based on the closing balance sheet.

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Subsequent Events	**6 Months Ended Jun. 30, 2024**
Subsequent Events [Abstract]	
Subsequent Events	Subsequent EventsOn July 31, 2024, the Company's Board of Directors declared a cash dividend of $0.075 per share. The dividend is payable on August 29, 2024 to all shareholders of record as of the close of business on August 15, 2024.

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Pay vs Performance Disclosure - USD ($) $ in Thousands	**3 Months Ended**		**6 Months Ended**	
	Jun. 30, 2024	**Jul. 02, 2023**	**Jun. 30, 2024**	**Jul. 02, 2023**
Pay vs Performance Disclosure				
Net income	$ 36,212	$ 57,474	$ 48,234	$ 83,089

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Insider Trading Arrangements	**3 Months Ended Jun. 30, 2024 shares**
Trading Arrangements, by Individual	
Non-Rule 10b5-1 Arrangement Adopted	false
Rule 10b5-1 Arrangement Terminated	false
Non-Rule 10b5-1 Arrangement Terminated	false
Carl Gerst [Member]	
Trading Arrangements, by Individual	
Name	Carl Gerst
Title	Executive Vice President of ID and Vision Products
Rule 10b5-1 Arrangement Adopted	true
Adoption Date	June 7, 2024
Carl Gerst, Rule Trading Arrangement, Common Stock Sale [Member] | Carl Gerst [Member]	
Trading Arrangements, by Individual	
Aggregate Available	16,302

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Summary of Significant Accounting Policies (Policies)	**6 Months Ended Jun. 30, 2024**
Accounting Policies [Abstract]	
New Pronouncements	New Pronouncements

Accounting Standards Update (ASU) 2023-09, "Income Taxes (Topic 740): Improvements to Income Tax Disclosures"

The amendments in this ASU apply to all entities that are subject to Topic 740, Income Taxes. The amendments require public business entities to disclose specific categories in their rate reconciliation and provide additional information for reconciling items that meet a quantitative threshold. They also require all entities to disclose income taxes paid, net of refunds received, disaggregated by federal, state, and foreign taxes and by individual jurisdictions in which income taxes paid, net of refunds received, are equal to or greater than five percent of total income taxes paid. For public business entities, the amendments in this ASU are effective for annual periods beginning after December 15, 2024. The amendments in this ASU should be applied on a prospective basis. Management does not expect ASU 2023-09 to have a material impact on the Company's financial statements and disclosures.

Accounting Standards Update (ASU) 2023-07, "Segment Reporting (Topic 280): Improvements to Reportable Segment Disclosures"

The amendments in this ASU apply to all public entities, including public entities with a single reportable segment, that are required to report segment information in accordance with Topic 280, Segment Reporting. The amendments require public business entities to provide in interim and annual periods one or more measures of segment profit or loss used by the chief operating decision maker to allocate resources and assess performance. Additionally, the amendments require disclosure of significant segment expenses and other segment items, as well as incremental qualitative disclosures. The amendments in this ASU are effective for fiscal years beginning after December 15, 2023 and interim periods within fiscal years beginning after December 15, 2024. The amendments in the ASU should be applied on a retrospective basis. We did not early adopt ASU 2023-07. Management does not expect ASU 2023-07 to have a material impact on the Company's financial statements and disclosures.

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Fair Value Measurements (Tables)	**6 Months Ended Jun. 30, 2024**
Fair Value Disclosures [Abstract]	
Assets and Liabilities Measured at Fair Value on a Recurring Basis	The following table summarizes the financial assets and liabilities required to be measured at fair value on a recurring basis as of June 30, 2024 (in thousands):

	Quoted Prices in Active Markets for Identical Assets (Level 1)	**Significant Other Observable Inputs (Level 2)**	**Unobservable Inputs (Level 3)**
Assets:			
Money market instruments	$ 583	$ —	$ —
Corporate bonds	—	316,342	—
Treasury notes	—	45,042	—
Treasury bills	—	26,394	—
Asset-backed securities	—	15,304	—
Certificate of deposit	—	7,601	—
Sovereign bonds	—	1,975	—
Economic hedge forward contracts	—	57	—
Liabilities:			
Economic hedge forward contracts	—	152	—

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Cash, Cash Equivalents, and	**6 Months Ended**

Investments (Tables) | **Jun. 30, 2024**

Cash and Cash Equivalents [Abstract]

Components of Cash, Cash Equivalents, and Investments

Cash, cash equivalents, and investments consisted of the following (in thousands):

	June 30, 2024	December 31, 2023
Cash	$ 141,508	$ 183,242
Treasury bills	26,934	—
Certificate of deposit	7,601	—
Money market instruments	583	19,413
Cash and cash equivalents	176,626	202,655
Corporate bonds	103,654	124,851
Asset-backed securities	5,346	3,551
Treasury notes	2,449	—
Sovereign bonds	1,000	990
Current investments	112,449	129,392
Corporate bonds	212,688	183,965
Treasury notes	42,593	43,523
Asset-backed securities	9,958	15,763
Sovereign bonds	975	979
Non-current investments	266,214	244,230
	$ 555,289	$ 576,277

Summary of Available-for-Sale Investments

The following table summarizes the Company's available-for-sale investments as of June 30, 2024 (in thousands):

	Amortized Cost	Gross Unrealized Gains	Gross Unrealized Losses	Fair Value
Current:				
Corporate bonds	$ 105,250	$ —	$ (1,596)	$ 103,654
Asset-backed securities	5,426	—	(80)	5,346
Treasury notes	2,500		(51)	2,449
Sovereign bonds	1,001	—	(1)	1,000
Non-current:				
Corporate bonds	217,537	73	(4,922)	212,688
Treasury notes	43,362	—	(769)	42,593
Asset-backed securities	10,689	—	(731)	9,958
Sovereign bonds	1,025	—	(50)	975
	$ 386,790	$ 73	$ (8,200)	$ 378,663

The following table summarizes the Company's available-for-sale investments as of December 31, 2023 (in thousands):

	Amortized Cost	Gross Unrealized Gains	Gross Unrealized Losses	Fair Value
Current:				
Corporate bonds	$ 128,150	$ —	$ (3,299)	$ 124,851
Asset-backed securities	3,637	—	(86)	3,551
Sovereign bonds	1,012	—	(22)	990
Non-current:				
Corporate bonds	189,326	506	(5,867)	183,965
Treasury notes	43,654	82	(213)	43,523
Asset-backed securities	16,773	—	(1,010)	15,763
Sovereign bonds	1,037	—	(58)	979
	$ 383,589	$ 588	$ (10,555)	$ 373,622

Gross Unrealized Losses and Fair Values for Available-for-Sale Investments

The following table summarizes the Company's gross unrealized losses and fair values for available-for-sale investments in an unrealized loss position as of June 30, 2024 (in thousands):

	Unrealized Loss Position For:					
	Less than 12 Months		12 Months or Greater		Total	
	Fair Value	Unrealized Losses	Fair Value	Unrealized Losses	Fair Value	Unrealized Losses
Corporate bonds	$ 93,328	$ (962)	$ 203,251	$ (5,556)	$ 296,579	$ (6,518)
Treasury notes	22,107	(284)	22,936	(536)	45,043	(820)
Asset-backed securities	9,599	(716)	5,705	(95)	15,304	(811)
Sovereign bonds	—	—	1,974	(51)	1,974	(51)
	$ 125,034	$ (1,962)	$ 233,866	$ (6,238)	$ 358,900	$ (8,200)

The following table summarizes the Company's gross unrealized losses and fair values for available-for-sale investments in an unrealized loss position as of December 31, 2023 (in thousands):

	Unrealized Loss Position For:					
	Less than 12 Months		12 Months or Greater		Total	
	Fair Value	Unrealized Losses	Fair Value	Unrealized Losses	Fair Value	Unrealized Losses
Corporate bonds	$ 30,770	$ (359)	$ 226,643	$ (8,807)	$ 257,413	$ (9,166)
Treasury notes	20,725	(153)	2,441	(60)	23,166	(213)
Asset-backed securities	17,062	(1,049)	2,252	(47)	19,314	(1,096)
Sovereign bonds	—	—	1,968	(80)	1,968	(80)
	$ 68,557	$ (1,561)	$ 233,304	$ (8,994)	$ 301,861	$ (10,555)

Realized Gain (Loss) on Investments

The following table summarizes the Company's gross realized gains and losses on the sale of debt securities for the three-month periods ended June 30, 2024 and July 2, 2023 (in thousands):

	Three-months Ended		Six-months Ended	
	June 30, 2024	July 2, 2023	June 30, 2024	July 2, 2023
Gross realized gains	$ 6	$ —	$ 8	$ —
Gross realized losses	(16)	—	(16)	—
Net realized gains (losses)	$ (10)	$ —	$ (8)	$ —

Effective Maturity Dates of Available-for-Sale Investments

The following table presents the effective maturity dates of the Company's available-for-sale investments as of June 30, 2024 (in thousands):

	<1 year	1-2 Years	2-3 Years	3-4 Years	4-5 Years	5-8 Years	Total
Corporate bonds	$ 103,654	$ 59,638	$ 57,273	$ 61,410	$ 34,367	$ —	$ 316,342
Treasury notes	2,449	987	18,909	22,697	—		45,042
Asset-backed securities	5,346	4,060	—	—	2,162	3,736	15,304
Sovereign bonds	1,000	975	—	—	—	—	1,975
	$ 112,449	$ 65,660	$ 76,182	$ 84,107	$ 36,529	$ 3,736	$ 378,663

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Inventories (Tables) | **6 Months Ended Jun. 30, 2024**

Inventory Disclosure [Abstract]

Schedule of Inventories

Inventories consisted of the following (in thousands):

	June 30, 2024	December 31, 2023
Raw materials	$ 97,031	$ 93,201
Work-in-process	4,344	5,747
Finished goods	55,880	63,337
	$157,255	$162,285

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Leases (Tables) | **6 Months Ended Jun. 30, 2024**

Leases [Abstract]

Lessee, Operating Lease, Liability, Maturity

Future operating lease cash payments are as follows (in thousands):

Year Ended December 31,	Amount
Remainder of fiscal 2024	$ 6,876
2025	12,011
2026	9,944
2027	9,107
2028	8,659
2029	8,078
Thereafter	44,328
	$99,003

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Goodwill (Tables) | **6 Months Ended Jun. 30, 2024**

Goodwill and Intangible Assets Disclosure [Abstract]

Schedule of Goodwill

The changes in the carrying value of goodwill were as follows (in thousands):

Balance as of December 31, 2023	$ 393,181
Foreign exchange rate changes	(12,139)
Balance as of June 30, 2024	**$ 381,042**

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Intangible Assets (Tables)

6 Months Ended Jun. 30, 2024

Goodwill and Intangible Assets Disclosure [Abstract]

Schedule of Intangible Assets

Amortized intangible assets consisted of the following (in thousands):

	Gross Carrying Value	Accumulated Amortization	Net Carrying Value
Customer relationships	**$ 70,394**	**$ (7,753)**	**$ 62,641**
Completed technologies	**58,612**	**(23,401)**	**35,211**
Trademarks	**792**	**(176)**	**616**
Non-compete agreements	**340**	**(260)**	**80**
Balance as of June 30, 2024	**$ 130,138**	**$ (31,590)**	**$ 98,548**

	Gross Carrying Value	Accumulated Amortization	Net Carrying Value
Customer relationships	$ 75,965	$ (5,352)	$ 70,613
Completed technologies	62,123	(20,745)	41,378
Trademarks	903	(50)	853
Non-compete agreements	340	(232)	108
Balance as of December 31, 2023	$ 139,331	$ (26,379)	$ 112,952

Schedule of Intangible Assets, Future Amortization Expense

As of June 30, 2024, estimated future amortization expense related to intangible assets was as follows (in thousands):

Year Ended December 31,	Amount
Remainder of fiscal 2024	$ 5,247
2025	10,267
2026	9,918
2027	8,976
2028	8,246
2029	8,246
Thereafter	47,648
	$ 98,548

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Warranty Obligations (Tables)

6 Months Ended Jun. 30, 2024

Product Warranties Disclosures [Abstract]

Changes in Warranty Obligations

The changes in the warranty obligation were as follows (in thousands):

Balance as of December 31, 2023	$ 4,244
Provisions for warranties issued during the period	2,120
Fulfillment of warranty obligations	(1,990)
Foreign exchange rate changes	(20)
Balance as of June 30, 2024	**$ 4,354**

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Derivative Instruments (Tables)

6 Months Ended Jun. 30, 2024

Derivative Instruments and Hedging Activities Disclosure [Abstract]

Outstanding Forward Contracts Table

The Company had the following outstanding forward contracts (in thousands):

Currency	June 30, 2024 Notional Value	June 30, 2024 USD Equivalent	December 31, 2023 Notional Value	December 31, 2023 USD Equivalent
Derivatives Not Designated as Hedging Instruments:				
Singapore Dollar	**40,700**	**$ 30,041**	39,700	$ 30,136
Euro	**22,000**	**23,577**	40,000	44,302
Chinese Renminbi	**100,000**	**13,711**	50,000	7,025
Mexican Peso	**215,000**	**11,663**	145,000	8,505
Hungarian Forint	**2,180,000**	**5,883**	2,240,000	6,466
British Pound	**3,245**	**4,112**	3,345	4,258
Japanese Yen	**600,000**	**3,750**	600,000	4,255
Swiss Franc	**1,675**	**1,875**	—	—
Canadian Dollar	**1,660**	**1,212**	1,470	1,112

Schedule of Derivative Instruments in Statement of Financial Position, Fair Value

Information regarding the fair value of the outstanding forward contracts was as follows (in thousands):

	Asset Derivatives			Liability Derivatives		
	Balance Sheet Location	Fair Value		Balance Sheet Location	Fair Value	
		June 30, 2024	December 31, 2023		June 30, 2024	December 31, 2023
Derivatives Not Designated as Hedging Instruments:						
Economic hedge forward contracts	Prepaid expenses and other current assets	**$ 57**	$ 151	Accrued expenses	**$ 152**	$ 106

Offsetting Assets

The following table presents the gross activity for all derivative assets and liabilities which were presented on a net basis on the Consolidated Balance Sheets due to the right of offset with each counterparty (in thousands):

Asset Derivatives	June 30, 2024	December 31, 2023	Liability Derivatives	June 30, 2024	December 31, 2023
Gross amounts of recognized assets	**$ 57**	$ 151	Gross amounts of recognized liabilities	**$ 152**	$ 106
Gross amounts offset	**—**	—	Gross amounts offset	**—**	—
Net amount of assets presented	**$ 57**	$ 151	Net amount of liabilities presented	**$ 152**	$ 106

Derivative Instruments, Gain (Loss)

Information regarding the effect of derivative instruments on the consolidated financial statements was as follows (in thousands):

		Three-months Ended		Six-months Ended	
	Location in Financial Statements	June 30, 2024	July 2, 2023	June 30, 2024	July 2, 2023
Derivatives Not Designated as Hedging Instruments:					
Gains (losses) recognized in current operations	Foreign currency gain (loss)	**$ 876**	$ 859	**$ 631**	$ (612)

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Revenue Recognition (Tables)

6 Months Ended Jun. 30, 2024

Revenue from Contract with Customer [Abstract]

Revenue from External Customers by Geographic Areas

The following table summarizes disaggregated revenue information by geographic area based upon the customer's country of domicile (in thousands):

	Three-months Ended June 30, 2024	Three-months Ended July 2, 2023	Six-months Ended June 30, 2024	Six-months Ended July 2, 2023
Americas	**$ 85,162**	$ 82,297	**$ 168,297**	$ 162,911
Europe	**57,151**	56,860	**109,505**	116,702
Greater China	**54,410**	72,351	**84,459**	105,351
Other Asia	**42,569**	31,004	**87,828**	58,672
	$ 239,292	$ 242,512	**$ 450,089**	$ 443,636

Revenue from External Customers by Products and Services

The following table summarizes disaggregated revenue information by revenue type (in thousands):

	Three-months Ended June 30, 2024	Three-months Ended July 2, 2023	Six-months Ended June 30, 2024	Six-months Ended July 2, 2023
Standard products and services	**$ 200,856**	$ 194,944	**$ 388,488**	$ 385,727
Application-specific customer solutions	**38,436**	47,568	**61,601**	57,909
	$ 239,292	$ 242,512	**$ 450,089**	$ 443,636

Schedule of Allowance for Credit Loss Activity

The following table summarizes the allowance for credit losses activity for the six-month period ended June 30, 2024 (in thousands):

Balance as of December 31, 2023	$ 583
Increases to the allowance for credit losses	100
Write-offs, net of recoveries	(19)
Foreign exchange rate changes	1
Balance as of June 30, 2024	$ 665

Deferred Revenue, by Arrangement, Disclosure

The following table summarizes the deferred revenue and customer deposits activity for the six-month period ended June 30, 2024 (in thousands):

Balance as of December 31, 2023	$ 31,525
Deferral of revenue billed in the current period, net of recognition	30,777
Recognition of revenue deferred in prior period	(21,271)
Foreign exchange rate changes	(502)
Balance as of June 30, 2024	$ 40,529

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Stock-Based Compensation Expense (Tables)

6 Months Ended

Jun. 30, 2024

Share-Based Payment Arrangement [Abstract]

Summary of Stock Option Activity

The following table summarizes the Company's stock option activity for the six-month period ended June 30, 2024:

	Shares (in thousands)	Weighted-Average Exercise Price	Weighted-Average Remaining Contractual Term (in years)	Aggregate Intrinsic Value (in thousands)
Outstanding as of December 31, 2023	9,008	$ 50.87		
Granted	1,620	39.74		
Exercised	(112)	23.52		
Forfeited or expired	(397)	56.39		
Outstanding as of June 30, 2024	**10,119**	**$ 49.17**	**6.10**	**$ 35,881**
Exercisable as of June 30, 2024	**5,880**	**$ 49.22**	**4.31**	**$ 22,854**
Options vested or expected to vest as of June 30, 2024 (1)	**9,413**	**$ 49.36**	**5.89**	**$ 33,342**

(1) In addition to the vested options, the Company expects a portion of the unvested options to vest at some point in the future. Options expected to vest are calculated by applying an estimated forfeiture rate to the unvested options.

Weighted-Average Assumptions Used in Estimating Fair Values of Stock Options Granted

The fair values of stock options granted in each period presented were estimated using the following weighted-average assumptions:

	Three-months Ended		Six-months Ended	
	June 30, 2024	July 2, 2023	**June 30, 2024**	July 2, 2023
Risk-free rate	**4.5 %**	3.5 %	**4.3 %**	3.9 %
Expected dividend yield	**0.67 %**	0.56 %	**0.75 %**	0.59 %
Expected volatility	**39 %**	39 %	**39 %**	39 %
Expected term (in years)	**4.7**	5.9	**4.7**	4.9

Schedule of Nonvested Restricted Stock Units Activity

The following table summarizes the Company's RSUs activity for the six-month period ended June 30, 2024:

	Shares (in thousands)	Weighted-Average Grant Date Fair Value
Nonvested as of December 31, 2023	1,429	$ 54.22
Granted	797	39.03
Vested	(375)	65.58
Forfeited or expired	(55)	49.86
Nonvested as of June 30, 2024	**1,796**	**$ 45.23**

Schedule of Nonvested Performance-based Units Activity

The following table summarizes the Company's PRSUs activity for the six-month period ended June 30, 2024:

	Shares (in thousands)	Weighted-Average Grant Date Fair Value
Nonvested as of December 31, 2023	79	$ 52.23
Granted	55	39.05
Vested	—	—
Forfeited or expired	—	—
Nonvested as of June 30, 2024	**134**	**$ 46.82**

Schedule of Employee Service Share-based Compensation, Allocation of Recognized Period Costs

The following table presents the stock-based compensation expense by caption for each period presented on the Consolidated Statements of Operations (in thousands):

	Three-months Ended		Six-months Ended	
	June 30, 2024	July 2, 2023	**June 30, 2024**	July 2, 2023
Cost of revenue	**$ 413**	$ 441	**$ 1,018**	$ 1,062
Research, development, and engineering	**3,540**	3,308	**7,929**	9,198
Selling, general, and administrative	**9,011**	8,825	**17,319**	18,893
	$ 12,964	$ 12,574	**$ 26,266**	$ 29,153

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Weighted-Average Shares (Tables)

6 Months Ended

Jun. 30, 2024

Earnings Per Share [Abstract]

Calculation of Weighted-Average Shares

Weighted-average shares were calculated as follows (in thousands):

	Three-months Ended		Six-months Ended	
	June 30, 2024	July 2, 2023	**June 30, 2024**	July 2, 2023
Basic weighted-average common shares outstanding	**171,568**	172,429	**171,630**	172,527
Effect of dilutive equity awards	**1,165**	1,193	**1,069**	1,264
Weighted-average common and common-equivalent shares outstanding	**172,733**	173,622	**172,699**	173,791

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Fair Value Measurements (Details) - USD ($) $ in Thousands

	Jun. 30, 2024	Dec. 31, 2023
Assets:		
Financial assets at fair value	$ 378,663	$ 373,622
Corporate bonds		
Assets:		
Financial assets at fair value	316,342	
Treasury notes		
Assets:		
Financial assets at fair value	45,042	
Asset-backed securities		
Assets:		
Financial assets at fair value	15,304	
Sovereign bonds		
Assets:		
Financial assets at fair value	1,975	
Quoted Prices in Active Markets for Identical Assets (Level 1) | Recurring		
Assets:		
Money market instruments	583	
Certificate of deposit	0	
Economic hedge forward contracts	0	
Liabilities:		
Economic hedge forward contracts	0	
Quoted Prices in Active Markets for Identical Assets (Level 1) | Recurring | Treasury bills		
Assets:		
Cash and cash equivalents	0	
Quoted Prices in Active Markets for Identical Assets (Level 1) | Recurring | Corporate bonds		
Assets:		

Financial assets at fair value	0
Quoted Prices in Active Markets for Identical Assets (Level 1) | Recurring | Treasury notes	
Assets:	
Financial assets at fair value	0
Quoted Prices in Active Markets for Identical Assets (Level 1) | Recurring | Asset-backed securities	
Assets:	
Financial assets at fair value	0
Quoted Prices in Active Markets for Identical Assets (Level 1) | Recurring | Sovereign bonds	
Assets:	
Financial assets at fair value	0
Significant Other Observable Inputs (Level 2) | Recurring	
Assets:	
Money market instruments	0
Certificate of deposit	7,601
Economic hedge forward contracts	57
Liabilities:	
Economic hedge forward contracts	152
Significant Other Observable Inputs (Level 2) | Recurring | Treasury bills	
Assets:	
Cash and cash equivalents	26,394
Significant Other Observable Inputs (Level 2) | Recurring | Corporate bonds	
Assets:	
Financial assets at fair value	316,342
Significant Other Observable Inputs (Level 2) | Recurring | Treasury notes	
Assets:	
Financial assets at fair value	45,042
Significant Other Observable Inputs (Level 2) | Recurring | Asset-backed securities	
Assets:	
Financial assets at fair value	15,304
Significant Other Observable Inputs (Level 2) | Recurring | Sovereign bonds	
Assets:	
Financial assets at fair value	1,975
Unobservable Inputs (Level 3) | Recurring	
Assets:	
Money market instruments	0
Certificate of deposit	0
Economic hedge forward contracts	0
Liabilities:	
Economic hedge forward contracts	0
Unobservable Inputs (Level 3) | Recurring | Treasury bills	
Assets:	
Cash and cash equivalents	0
Unobservable Inputs (Level 3) | Recurring | Corporate bonds	
Assets:	
Financial assets at fair value	0
Unobservable Inputs (Level 3) | Recurring | Treasury notes	
Assets:	
Financial assets at fair value	0
Unobservable Inputs (Level 3) | Recurring | Asset-backed securities	
Assets:	
Financial assets at fair value	0
Unobservable Inputs (Level 3) | Recurring | Sovereign bonds	
Assets:	
Financial assets at fair value	$ 0

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Cash, Cash Equivalents, and Investments - Components of Cash, Cash Equivalents, and Investments (Details) - USD ($) $ in Thousands

	Jun. 30, 2024	Dec. 31, 2023
Debt Securities, Available-for-sale		
Cash and cash equivalents	$ 176,626	$ 202,655
Current investments	112,449	129,392
Non-current investments	266,214	244,230
Total	555,289	576,277
Cash		
Debt Securities, Available-for-sale		
Cash and cash equivalents	141,508	183,242
Treasury bills		
Debt Securities, Available-for-sale		
Cash and cash equivalents	26,934	0
Certificate of deposit		
Debt Securities, Available-for-sale		
Cash and cash equivalents	7,601	0
Money market instruments		
Debt Securities, Available-for-sale		
Cash and cash equivalents	583	19,413
Corporate bonds		
Debt Securities, Available-for-sale		
Current investments	103,654	124,851
Long-term investments	212,688	183,965
Asset-backed securities		
Debt Securities, Available-for-sale		
Current investments	5,346	3,551
Long-term investments	9,958	15,763
Treasury notes		
Debt Securities, Available-for-sale		
Current investments	2,449	0
Long-term investments	42,593	43,523
Sovereign bonds		
Debt Securities, Available-for-sale		
Current investments	1,000	990
Long-term investments	$ 975	$ 979

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Cash, Cash Equivalents, and

Investments - Narrative (Details) - USD ($) $ in Thousands	Jun. 30, 2024	Dec. 31, 2023
Cash and Cash Equivalents [Line Items]		
Debt securities, available-for-sale, allowance for credit loss	$ 0	$ 0
Other current assets		
Cash and Cash Equivalents [Line Items]		
Accrued interest receivable	$ 4,383	$ 3,169

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Cash, Cash Equivalents, and Investments - Summary of Available-for-Sale Investments (Details) - USD ($) $ in Thousands	Jun. 30, 2024	Dec. 31, 2023
Debt Securities, Available-for-sale		
Amortized Cost	$ 386,790	$ 383,589
Gross Unrealized Gains	73	588
Gross Unrealized Losses	(8,200)	(10,555)
Fair Value	378,663	373,622
Corporate bonds		
Debt Securities, Available-for-sale		
Fair Value	316,342	
Corporate bonds | Current assets		
Debt Securities, Available-for-sale		
Amortized Cost	105,250	128,150
Gross Unrealized Gains	0	0
Gross Unrealized Losses	(1,596)	(3,299)
Fair Value	103,654	124,851
Corporate bonds | Non-current assets		
Debt Securities, Available-for-sale		
Amortized Cost	217,537	189,326
Gross Unrealized Gains	73	506
Gross Unrealized Losses	(4,922)	(5,867)
Fair Value	212,688	183,965
Asset-backed securities		
Debt Securities, Available-for-sale		
Fair Value	15,304	
Asset-backed securities | Current assets		
Debt Securities, Available-for-sale		
Amortized Cost	5,426	3,637
Gross Unrealized Gains	0	0
Gross Unrealized Losses	(80)	(86)
Fair Value	5,346	3,551
Asset-backed securities | Non-current assets		
Debt Securities, Available-for-sale		
Amortized Cost	10,689	16,773
Gross Unrealized Gains	0	0
Gross Unrealized Losses	(731)	(1,010)
Fair Value	9,958	15,763
Treasury notes		
Debt Securities, Available-for-sale		
Fair Value	45,042	
Treasury notes | Current assets		
Debt Securities, Available-for-sale		
Amortized Cost	2,500	
Gross Unrealized Gains		
Gross Unrealized Losses	(51)	
Fair Value	2,449	
Treasury notes | Non-current assets		
Debt Securities, Available-for-sale		
Amortized Cost	43,362	43,654
Gross Unrealized Gains	0	82
Gross Unrealized Losses	(769)	(213)
Fair Value	42,593	43,523
Sovereign bonds		
Debt Securities, Available-for-sale		
Fair Value	1,975	
Sovereign bonds | Current assets		
Debt Securities, Available-for-sale		
Amortized Cost	1,001	1,012
Gross Unrealized Gains	0	0
Gross Unrealized Losses	(1)	(22)
Fair Value	1,000	990
Sovereign bonds | Non-current assets		
Debt Securities, Available-for-sale		
Amortized Cost	1,025	1,037
Gross Unrealized Gains	0	0
Gross Unrealized Losses	(50)	(58)
Fair Value	$ 975	$ 979

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Cash, Cash Equivalents, and Investments - Gross Unrealized Losses and Fair Values for Available-for-Sale Investments (Details) - USD ($) $ in Thousands	Jun. 30, 2024	Dec. 31, 2023
Debt Securities, Available-for-sale		
Fair value, less than 12 months	$ 125,034	$ 68,557
Unrealized losses, less than 12 months	(1,962)	(1,561)
Fair value, 12 months or greater	233,866	233,304
Unrealized losses, 12 months or greater	(6,238)	(8,994)
Total fair value	358,900	301,861
Total unrealized Losses	(8,200)	(10,555)
Corporate bonds		

Debt Securities, Available-for-sale		
Fair value, less than 12 months	93,328	30,770
Unrealized losses, less than 12 months	(962)	(359)
Fair value, 12 months or greater	203,251	226,643
Unrealized losses, 12 months or greater	(5,556)	(8,807)
Total fair value	296,579	257,413
Total unrealized Losses	(6,518)	(9,166)
Treasury notes		
Debt Securities, Available-for-sale		
Fair value, less than 12 months	22,107	20,725
Unrealized losses, less than 12 months	(284)	(153)
Fair value, 12 months or greater	22,936	2,441
Unrealized losses, 12 months or greater	(536)	(60)
Total fair value	45,043	23,166
Total unrealized Losses	(820)	(213)
Asset-backed securities		
Debt Securities, Available-for-sale		
Fair value, less than 12 months	9,599	17,062
Unrealized losses, less than 12 months	(716)	(1,049)
Fair value, 12 months or greater	5,705	2,252
Unrealized losses, 12 months or greater	(95)	(47)
Total fair value	15,304	19,314
Total unrealized Losses	(811)	(1,096)
Sovereign bonds		
Debt Securities, Available-for-sale		
Fair value, less than 12 months	0	0
Unrealized losses, less than 12 months	0	0
Fair value, 12 months or greater	1,974	1,968
Unrealized losses, 12 months or greater	(51)	(80)
Total fair value	1,974	1,968
Total unrealized Losses	$ (51)	$ (80)

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Cash, Cash Equivalents, and Investments - Gross Realized Gains and Losses on the Sale of Debt Securities (Details) - USD ($) $ in Thousands	**3 Months Ended**		**6 Months Ended**	
	Jun. 30, 2024	**Jul. 02, 2023**	**Jun. 30, 2024**	**Jul. 02, 2023**
Cash and Cash Equivalents [Abstract]				
Gross realized gains	$ 6	$ 0	$ 8	$ 0
Gross realized losses	(16)	0	(16)	0
Net realized gains (losses)	$ (10)	$ 0	$ (8)	$ 0

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Cash, Cash Equivalents, and Investments - Effective Maturity Dates of Available-for-Sale Investments (Details) - USD ($) $ in Thousands	**Jun. 30, 2024**	**Dec. 31, 2023**
Debt Securities, Available-for-sale		
less than 1 year	$ 112,449	
1-2 Years	65,660	
2-3 Years	76,182	
3-4 Years	84,107	
4-5 Years	36,529	
5-8 Years	3,736	
Total	378,663	$ 373,622
Corporate bonds		
Debt Securities, Available-for-sale		
less than 1 year	103,654	
1-2 Years	59,638	
2-3 Years	57,273	
3-4 Years	61,410	
4-5 Years	34,367	
5-8 Years	0	
Total	316,342	
Treasury notes		
Debt Securities, Available-for-sale		
less than 1 year	2,449	
1-2 Years	987	
2-3 Years	18,909	
3-4 Years	22,697	
4-5 Years	0	
5-8 Years		
Total	45,042	
Asset-backed securities		
Debt Securities, Available-for-sale		
less than 1 year	5,346	
1-2 Years	4,060	
2-3 Years	0	
3-4 Years	0	
4-5 Years	2,162	
5-8 Years	3,736	
Total	15,304	
Sovereign bonds		
Debt Securities, Available-for-sale		
less than 1 year	1,000	
1-2 Years	975	
2-3 Years	0	
3-4 Years	0	
4-5 Years	0	
5-8 Years	0	
Total	$ 1,975	

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Inventories (Details) - USD ($)	**Jun. 30, 2024**	**Dec. 31, 2023**

$ in Thousands		
Inventory Disclosure [Abstract]		
Raw materials	$ 97,031	$ 93,201
Work-in-process	4,344	5,747
Finished goods	55,880	63,337
Inventories	$ 157,255	$ 162,285

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Leases - Narrative (Details) ft² in Thousands, $ in Thousands	1 Months Ended	3 Months Ended		6 Months Ended		
	Jun. 30, 2023 ft² lease_component	Jun. 30, 2024 USD ($) terminationOptions extension_option	Jul. 02, 2023 USD ($)	Jun. 30, 2024 USD ($) terminationOptions extension_option	Jul. 02, 2023 USD ($)	Dec. 31, 2023 USD ($)
Lessee, Lease, Description [Line Items]						
Operating lease, number of options to terminate | terminationOptions		0		0		
Operating leases, number of options to extend | extension_option		20		20		
Operating lease, cost		$ 3,474	$ 2,639	$ 7,037	$ 5,031	
Operating lease, payments		3,406	2,364	6,614	4,768	
Lease, cost		57	$ 136	139	$ 160	
Operating lease liability		74,183		74,183		$ 78,601
Future lease payments		99,003		99,003		
Remainder of fiscal 2024		$ 6,876		$ 6,876		
Weighted average discount rate		5.70%		5.70%		5.70%
Weighted average remaining lease term		10 years 2 months 12 days		10 years 2 months 12 days		10 years 6 months
Singapore						
Lessee, Lease, Description [Line Items]						
Lease components | lease_component	2					
Singapore | 88,000 square-foot premises						
Lessee, Lease, Description [Line Items]						
Rentable area | ft²	88					
Singapore | 27,000 square-foot premises						
Lessee, Lease, Description [Line Items]						
Rentable area | ft²	27					
Term of contract	8 years					
Option to renew, term of contract	5 years					
Future lease payments		$ 13,231		$ 13,231		
Remainder of fiscal 2024		$ 0		$ 0		

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Leases - Future Minimum Lease Payment Obligations Under Operating Leases (Details) $ in Thousands	Jun. 30, 2024 USD ($)
Leases [Abstract]	
Remainder of fiscal 2024	$ 6,876
2025	12,011
2026	9,944
2027	9,107
2028	8,659
2029	8,078
Thereafter	44,328
Total	$ 99,003

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Goodwill (Details) $ in Thousands	6 Months Ended Jun. 30, 2024 USD ($)
Goodwill [Roll Forward]	
Balance as of December 31, 2023	$ 393,181
Foreign exchange rate changes	(12,139)
Balance as of June 30, 2024	$ 381,042

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Intangible Assets (Details) - USD ($) $ in Thousands	Jun. 30, 2024	Dec. 31, 2023
Distribution Rights, Developed Technology Rights, Customer Contracts And Relationships, Other Intangible Assets, And Trademarks		
Gross Carrying Value	$ 130,138	$ 139,331
Accumulated Amortization	(31,590)	(26,379)
Net Carrying Value	98,548	112,952
Finite-Lived Intangible Assets, Net, Amortization Expense, Fiscal Year Maturity [Abstract]		
Net Carrying Value	98,548	112,952
Indefinite-lived intangible asset excluding in-process technologies		
Distribution Rights, Developed Technology Rights, Customer Contracts And Relationships, Other Intangible Assets, And Trademarks		
Net Carrying Value	98,548	
Finite-Lived Intangible Assets, Net, Amortization Expense, Fiscal Year Maturity [Abstract]		
Remainder of fiscal 2024	5,247	
2025	10,267	
2026	9,918	
2027	8,976	
2028	8,246	
2029	8,246	
Thereafter	47,648	
Net Carrying Value	98,548	
Customer relationships		
Distribution Rights, Developed Technology Rights, Customer Contracts And Relationships, Other Intangible Assets, And Trademarks		
Gross Carrying Value	70,394	75,965
Accumulated Amortization	(7,753)	(5,352)
Net Carrying Value	62,641	70,613
Finite-Lived Intangible Assets, Net, Amortization Expense, Fiscal Year Maturity [Abstract]		
Net Carrying Value	62,641	70,613
Completed technologies		
Distribution Rights, Developed Technology Rights, Customer Contracts And Relationships, Other Intangible Assets, And Trademarks		
Gross Carrying Value	58,612	62,123
Accumulated Amortization	(23,401)	(20,745)
Net Carrying Value	35,211	41,378
Finite-Lived Intangible Assets, Net, Amortization Expense, Fiscal Year Maturity [Abstract]		
Net Carrying Value	35,211	41,378
Trademarks		
Distribution Rights, Developed Technology Rights, Customer Contracts And Relationships, Other Intangible Assets, And Trademarks		

Gross Carrying Value	792	903
Accumulated Amortization	(176)	(50)
Net Carrying Value	616	853
Finite-Lived Intangible Assets, Net, Amortization Expense, Fiscal Year Maturity [Abstract]		
Net Carrying Value	616	853
Non-compete agreements		
Distribution Rights, Developed Technology Rights, Customer Contracts And Relationships, Other Intangible Assets, And Trademarks		
Gross Carrying Value	340	340
Accumulated Amortization	(260)	(232)
Net Carrying Value	80	108
Finite-Lived Intangible Assets, Net, Amortization Expense, Fiscal Year Maturity [Abstract]		
Net Carrying Value	$ 80	$ 108

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Warranty Obligations (Detail) - USD ($) $ in Thousands	3 Months Ended		6 Months Ended	
	Jun. 30, 2024	Jul. 02, 2023	Jun. 30, 2024	Jul. 02, 2023
Movement in Standard Product Warranty Accrual [Roll Forward]				
Beginning balance			$ 4,244	
Provisions for warranties issued during the period			2,120	
Fulfillment of warranty obligations			(1,990)	
Standard Product Warranty Accrual, Foreign Currency Translation Gain (Loss)			20	
Ending balance	$ 4,354		4,354	
Revenue	$ 239,292	$ 242,512	$ 450,089	$ 443,636

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Commitment and Contingencies (Details) $ in Thousands	Jun. 30, 2024 USD ($)
Commitments and Contingencies Disclosure [Abstract]	
Outstanding purchase orders	$ 43,078

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Derivative Instruments - Narrative (Details)	6 Months Ended
	Jun. 30, 2024
Not Designated as Hedging Instrument	
Derivative Instruments and Hedging Activities Disclosures [Line Items]	
Remaining maturity of foreign currency derivatives (up to)	3 months

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Derivative Instruments - Outstanding Forward Contracts Table (Details) - Not Designated as Hedging Instrument € in Thousands, ¥ in Thousands, £ in Thousands, SFr in Thousands, Ft in Thousands, $ in Thousands, $ in Thousands, $ in Thousands, $ in Thousands	Jun. 30, 2024 SGD ($)	Jun. 30, 2024 USD ($)	Jun. 30, 2024 EUR (€)	Jun. 30, 2024 CNY (¥)	Jun. 30, 2024 MXN ($)	Jun. 30, 2024 HUF (Ft)	Jun. 30, 2024 GBP (£)	Jun. 30, 2024 JPY (¥)	Jun. 30, 2024 CHF (SFr)	Jun. 30, 2024 CAD ($)	Dec. 31, 2023 SGD ($)	Dec. 31, 2023 USD ($)	Dec. 31, 2023 EUR (€)	Dec. 31, 2023 CNY (¥)	Dec. 31, 2023 MXN ($)	Dec. 31, 2023 HUF (Ft)	Dec. 31, 2023 GBP (£)	Dec. 31, 2023 JPY (¥)	Dec. 31, 2023 CHF (SFr)	Dec. 31, 2023 CAD ($)
Japanese Yen																				
Derivative [Line Items]																				
Outstanding forward contracts		$ 3,750						¥ 600,000				$ 4,255						¥ 600,000		
Euro																				
Derivative [Line Items]																				
Outstanding forward contracts		23,577	€ 22,000									44,302	€ 40,000							
Singapore Dollar																				
Derivative [Line Items]																				
Outstanding forward contracts	$ 40,700	30,041									$ 39,700	30,136								
Chinese Renminbi																				
Derivative [Line Items]																				
Outstanding forward contracts		13,711		¥ 100,000								7,025		¥ 50,000						
Mexican Peso																				
Derivative [Line Items]																				
Outstanding forward contracts		11,663			$ 215,000							8,505			$ 145,000					
Hungarian Forint																				
Derivative [Line Items]																				
Outstanding forward contracts		5,883				Ft 2,180,000						6,466					Ft 2,240,000			
British Pound																				
Derivative [Line Items]																				
Outstanding forward contracts		4,112					£ 3,245					4,258						£ 3,345		
Canadian Dollar																				
Derivative [Line Items]																				
Outstanding forward contracts		1,212								$ 1,660		1,112								$ 1,470
Swiss Franc																				
Derivative [Line Items]																				
Outstanding forward contracts		$ 1,875							SFr 1,675			$ 0							SFr 0	

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Derivative Instruments - Schedule of

Derivative Instruments in Statement of Financial Position, Fair Value (Details) - USD ($) $ in Thousands	Jun. 30, 2024	Dec. 31, 2023
Derivatives, Fair Value [Line Items]		
Derivative asset	$ 57	$ 151
Derivative liability	152	106
Not Designated as Hedging Instrument		
Derivatives, Fair Value [Line Items]		
Derivative asset	57	151
Derivative liability	$ 152	$ 106

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Derivative Instruments - Offsetting Assets (Details) - USD ($) $ in Thousands	Jun. 30, 2024	Dec. 31, 2023
Derivative Instruments and Hedging Activities Disclosure [Abstract]		
Gross amounts of recognized assets	$ 57	$ 151
Gross amounts offset	0	0
Net amount of assets presented	57	151
Gross amounts of recognized liabilities	152	106
Gross amounts offset	0	0
Net amount of liabilities presented	$ 152	$ 106

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Derivative Instruments - Derivative Instruments, Gain (Loss) (Details) - USD ($) $ in Thousands	3 Months Ended		6 Months Ended	
	Jun. 30, 2024	Jul. 02, 2023	Jun. 30, 2024	Jul. 02, 2023
Not Designated as Hedging Instrument				
Derivative Instruments, Gain (Loss) [Line Items]				
Gains (losses) recognized in current operations	$ 876	$ 859	$ 631	$ (612)

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Revenue Recognition - Revenue Disaggregated by Geography (Details) - USD ($) $ in Thousands	3 Months Ended		6 Months Ended	
	Jun. 30, 2024	Jul. 02, 2023	Jun. 30, 2024	Jul. 02, 2023
Disaggregation of Revenue [Line Items]				
Revenue	$ 239,292	$ 242,512	$ 450,089	$ 443,636
Americas				
Disaggregation of Revenue [Line Items]				
Revenue	85,162	82,297	168,297	162,911
Europe				
Disaggregation of Revenue [Line Items]				
Revenue	57,151	56,860	109,505	116,702
Greater China				
Disaggregation of Revenue [Line Items]				
Revenue	54,410	72,351	84,459	105,351
Other Asia				
Disaggregation of Revenue [Line Items]				
Revenue	$ 42,569	$ 31,004	$ 87,828	$ 58,672

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Revenue Recognition - Revenue Disaggregated by Products and Services (Details) - USD ($) $ in Thousands	3 Months Ended		6 Months Ended	
	Jun. 30, 2024	Jul. 02, 2023	Jun. 30, 2024	Jul. 02, 2023
Revenue from External Customer [Line Items]				
Revenue	$ 239,292	$ 242,512	$ 450,089	$ 443,636
Standard products and services				
Revenue from External Customer [Line Items]				
Revenue	200,856	194,944	388,488	385,727
Application-specific customer solutions				
Revenue from External Customer [Line Items]				
Revenue	$ 38,436	$ 47,568	$ 61,601	$ 57,909

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Revenue Recognition - Additional Information (Details) - USD ($) $ in Thousands	Jun. 30, 2024	Dec. 31, 2023
Revenue from Contract with Customer [Abstract]		
Costs to fulfill contract	$ 11,310	$ 13,265

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Revenue Recognition - Schedule of Allowance for Credit Loss (Details) $ in Thousands	6 Months Ended
	Jun. 30, 2024 USD ($)
Accounts Receivable, Allowance for Credit Loss [Roll Forward]	
Balance as of December 31, 2023	$ 583
Increases to the allowance for credit losses	100
Write-offs, net of recoveries	(19)
Foreign exchange rate changes	1
Balance as of June 30, 2024	$ 665

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Revenue Recognition - Deferred Revenue Activity (Details) $ in Thousands	6 Months Ended
	Jun. 30, 2024 USD ($)
Movement in Deferred Revenue [Roll Forward]	
Balance as of December 31, 2023	$ 31,525
Deferral of revenue billed in the current period, net of recognition	30,777
Recognition of revenue deferred in prior period	(21,271)

Foreign exchange rate changes	(502)
Balance as of June 30, 2024	$ 40,529

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Stock-Based Compensation Expense - Narrative (Details)	3 Months Ended		6 Months Ended		14 Months Ended		
	Jun. 30, 2024 USD ($) group $ / shares shares	Jul. 02, 2023 USD ($) $ / shares shares	Jun. 30, 2024 USD ($) group $ / shares shares	Jul. 02, 2023 USD ($) $ / shares shares	Jun. 30, 2024 USD ($) group shares	Dec. 31, 2023 USD ($)	May 03, 2023 shares
Share-based Compensation Arrangement by Share-based Payment Award [Line Items]							
Proceeds from Stock Options Exercised	$ 1,516,000	$ 6,141,000	$ 2,637,000	$ 10,118,000			
Share-Based Payment Arrangement, Exercise of Option, Tax Benefit	$ 2,043,000	$ 2,426,000	$ 2,072,000	$ 3,893,000			
Weighted-average grant-date fair values (in dollars per share) | $ / shares	$ 18.46	$ 20.09	$ 14.89	$ 17.86			
Total intrinsic value	$ 994,000	$ 2,123,000	$ 2,049,000	$ 5,562,000			
Total fair values of stock options vest	$ 698,000	892,000	$ 26,209,000	32,073,000			
Groups within the employee population | group	3		3		3		
Estimated forfeiture rate for unvested options for CEO	0		0		0		
Estimated annual forfeiture rate for unvested options for senior management	9.00%		9.00%		9.00%		
Estimated annual forfeiture rate for unvested options for all other employees	13.00%		13.00%		13.00%		
Decrease in compensation expense due to revised estimated forfeiture rates			$ 1,832,000	234,000			
Unrecognized compensation expense	$ 75,507,000		$ 75,507,000		$ 75,507,000		
Weighted average period to be recognized			1 year 10 months 24 days				
Stock-based compensation expense	12,964,000	12,574,000	$ 26,266,000	29,153,000			
Tax benefit from compensation expense	2,027,000	$ 1,892,000	3,772,000	$ 4,200,000			
Recognized period costs capitalized	$ 0		$ 0		$ 0	$ 0	
2001 Plan and 2007 Plan							
Share-based Compensation Arrangement by Share-based Payment Award [Line Items]							
Shares available for grant under stock option plans (in shares) | shares							10,610,800
2023 Plan							
Share-based Compensation Arrangement by Share-based Payment Award [Line Items]							
Shares auhtorised for grant under stock option plans (in shares) | shares	8,877,455		8,877,455		8,877,455		8,100,000
Additional shares available for grant under stock option plans (in shares) | shares					777,455		
Employee Stock Option							
Share-based Compensation Arrangement by Share-based Payment Award [Line Items]							
Shares available for grant under stock option plans (in shares) | shares	5,958,000		5,958,000		5,958,000		
Expiration period from grant day			10 years				
Restricted Stock Units (RSUs)							
Share-based Compensation Arrangement by Share-based Payment Award [Line Items]							
Granted (in dollars per share) | $ / shares	$ 43.97	$ 52.53	$ 39.03	$ 46.86			
Vested (in shares) | shares	36,000	29,000	375,000	482,000			
Payment, Tax Withholding, Share-Based Payment Arrangement	$ 526,000	$ 432,000	$ 4,507,000	$ 7,464,000			
Granted (in shares) | shares			797,000				
Tax benefit from compensation expense	$ 2,074,000	$ 150,000	$ 6,867,000	$ 3,476,000			
Performance Shares (PRSUs)							
Share-based Compensation Arrangement by Share-based Payment Award [Line Items]							
Vesting period for stock option plans			3 years				
Granted (in dollars per share) | $ / shares			$ 39.05				
Vested (in shares) | shares	0	0	0	0			
Granted (in shares) | shares	0	0	55,000	46,000			
Minimum | General Stock Option Plan							
Share-based Compensation Arrangement by Share-based Payment Award [Line Items]							
Vesting period for stock option plans			4 years				
Minimum | Restricted Stock Units (RSUs)							
Share-based Compensation Arrangement by Share-based Payment Award [Line Items]							
Vesting period for stock option plans			3 years				
Maximum | General Stock Option Plan							
Share-based Compensation Arrangement by Share-based Payment Award [Line Items]							
Vesting period for stock option plans			5 years				
Maximum | Restricted Stock Units (RSUs)							
Share-based Compensation Arrangement by Share-based Payment Award [Line Items]							
Vesting period for stock option plans			4 years				

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Stock-Based Compensation Expense - Summary of Stock Option Activity (Details) $ / shares in Units, shares in Thousands, $ in Thousands	6 Months Ended
	Jun. 30, 2024 USD ($) $ / shares shares
Shares (in thousands)	
Outstanding (in shares) | shares	9,008
Granted (in shares) | shares	1,620
Exercised (in shares) | shares	(112)
Forfeited or expired (in shares) | shares	(397)
Outstanding (in shares) | shares	10,119
Exercisable as of reporting date (in shares) | shares	5,880
Options vested or expected to vest as of reporting date (in shares) | shares	9,413
Weighted- Average Exercise Price	
Outstanding (in dollars per shares) | $ / shares	$ 50.87
Granted (in dollars per shares) | $ / shares	39.74
Exercised (in dollars per shares) | $ / shares	23.52

Forfeited or expired (in dollars per shares) | $ / shares	56.39
Outstanding (in dollars per shares) | $ / shares	49.17
Exercisable as of reporting date (in dollars per shares) | $ / shares	49.22
Vested and expected to vest (in dollars per shares) | $ / shares	$ 49.36
Weighted- Average Remaining Contractual Term (in years)	
Outstanding (in years)	6 years 1 month 6 days
Exercisable (in years)	4 years 3 months 21 days
Options vested or expected to vest (in years)	5 years 10 months 20 days
Aggregate Intrinsic Value (in thousands)	
Outstanding | $	$ 35,881
Exercisable | $	22,854
Options vested or expected to vest | $	$ 33,342

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Stock-Based Compensation Expense - Weighted-Average Assumptions Used in Estimating Fair Values of Stock Options Granted (Details)	3 Months Ended		6 Months Ended	
	Jun. 30, 2024	Jul. 02, 2023	Jun. 30, 2024	Jul. 02, 2023
Share-Based Payment Arrangement [Abstract]				
Risk-free rate	4.50%	3.50%	4.30%	3.90%
Expected dividend yield	0.67%	0.56%	0.75%	0.59%
Expected volatility	39.00%	39.00%	39.00%	39.00%
Expected term (in years)	4 years 8 months 12 days	5 years 10 months 24 days	4 years 8 months 12 days	4 years 10 months 24 days

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Stock-Based Compensation Expense - Schedule of Restricted Stock Units (Details) - Restricted Stock Units (RSUs) - $ / shares shares in Thousands	3 Months Ended		6 Months Ended	
	Jun. 30, 2024	Jul. 02, 2023	Jun. 30, 2024	Jul. 02, 2023
Shares (in thousands)				
Nonvested as of beginning of period (in shares)			1,429	
Granted (in shares)			797	
Vested (in shares)	36	29	375	482
Forfeited or expired (in shares)			(55)	
Nonvested as of end of period (in shares)	1,796		1,796	
Weighted-Average Grant Date Fair Value				
Nonvested as of beginning of period (in dollars per share)			$ 54.22	
Granted (in dollars per share)	$ 43.97	$ 52.53	39.03	$ 46.86
Vested (in dollars per share)			65.58	
Forfeited or expired (in dollars per share)			49.86	
Nonvested as of end of period (in dollars per share)	$ 45.23		$ 45.23	

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Stock-Based Compensation Expense - Schedule of Performance Restricted Stock Units (Details) - Performance Shares (PRSUs) - $ / shares shares in Thousands	3 Months Ended		6 Months Ended	
	Jun. 30, 2024	Jul. 02, 2023	Jun. 30, 2024	Jul. 02, 2023
Shares (in thousands)				
Nonvested as of beginning of period (in shares)			79	
Granted (in shares)	0	0	55	46
Vested (in shares)	0	0	0	0
Forfeited or expired (in shares)			0	
Nonvested as of end of period (in shares)	134		134	
Weighted-Average Grant Date Fair Value				
Nonvested as of beginning of period (in dollars per share)			$ 52.23	
Granted (in dollars per share)			39.05	
Vested (in dollars per share)			0	
Forfeited or expired (in dollars per share)			0	
Nonvested as of end of period (in dollars per share)	$ 46.82		$ 46.82	

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Stock-Based Compensation Expense - Schedule of Employee Service Share-based Compensation, Allocation of Recognized Period Costs (Details) - USD ($) $ in Thousands	3 Months Ended		6 Months Ended	
	Jun. 30, 2024	Jul. 02, 2023	Jun. 30, 2024	Jul. 02, 2023
Employee Service Share-based Compensation, Allocation of Recognized Period Costs [Line Items]				
Stock-based compensation expense	$ 12,964	$ 12,574	$ 26,266	$ 29,153
Cost of revenue				
Employee Service Share-based Compensation, Allocation of Recognized Period Costs [Line Items]				
Stock-based compensation expense	413	441	1,018	1,062
Research, development, and engineering				
Employee Service Share-based Compensation, Allocation of Recognized Period Costs [Line Items]				
Stock-based compensation expense	3,540	3,308	7,929	9,198
Selling, general, and administrative				
Employee Service Share-based Compensation, Allocation of Recognized Period Costs [Line Items]				
Stock-based compensation expense	$ 9,011	$ 8,825	$ 17,319	$ 18,893

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Stock Repurchase Program (Details) - Repurchase Program March 2022 - USD ($) $ in Thousands	6 Months Ended		
	Jun. 30, 2024	Jul. 02, 2023	Mar. 03, 2022
Equity, Class of Treasury Stock [Line Items]			
Stock repurchase program, authorized amount			$ 500,000
Shares repurchased (in shares)	473,000	966,000	
Value of shares repurchased at cost	$ 19,879	$ 49,163	

Remaining authorized repurchase amount	$ 313,013

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Income Taxes (Details) - USD ($) $ in Thousands	3 Months Ended		6 Months Ended	
	Jun. 30, 2024	Jul. 02, 2023	Jun. 30, 2024	Jul. 02, 2023
Income Tax Contingency [Line Items]				
Effective tax rate	13.00%	15.00%	18.00%	12.00%
Discrete tax expense (benefit)	$ (463)	$ (399)	$ (2,622)	$ 3,195
Increase in tax expense related to stock-based compensation			1,371	1,766
Decrease in tax expense arising from tax settlement			477	3,051
Increase in tax expense, tax reserves			922	
Change in tax expense related to valuation allowance				2,198
Tax expense related to return-to-provision adjustments			1,278	$ 288
Tax expense related to other tax matters			1,130	
Liability for uncertain tax positions	31,193		31,193	
Unrecognized tax benefits, gross, noncurrent liability	28,826		28,826	
Unrecognized tax benefits, gross, offset to tax attributes	$ 2,367		$ 2,367	
Tax years open to examination by Internal Revenue Service			2020 through 2022	
Tax years open to examination by various taxing authorities for other entities			2017 through 2023	
Foreign Tax Authority | Ireland				
Income Tax Contingency [Line Items]				
Statutory tax rate			12.50%	
Foreign Tax Authority | China				
Income Tax Contingency [Line Items]				
Statutory tax rate			25.00%	
Foreign Tax Authority | Korea				
Income Tax Contingency [Line Items]				
Statutory tax rate			21.00%	
Foreign Tax Authority | JAPAN				
Income Tax Contingency [Line Items]				
Statutory tax rate			34.60%	
Domestic Tax Authority				
Income Tax Contingency [Line Items]				
Statutory tax rate			21.00%	

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Weighted-Average Shares - Calculation of Weighted-Average Shares (Details) - shares shares in Thousands	3 Months Ended		6 Months Ended	
	Jun. 30, 2024	Jul. 02, 2023	Jun. 30, 2024	Jul. 02, 2023
Earnings Per Share [Abstract]				
Basic weighted-average common shares outstanding (in shares)	171,568	172,429	171,630	172,527
Effect of dilutive equity awards (in shares)	1,165	1,193	1,069	1,264
Weighted-average common and common-equivalent shares outstanding (in shares)	172,733	173,622	172,699	173,791

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Weighted-Average Shares - Narrative (Details) - shares	3 Months Ended		6 Months Ended	
	Jun. 30, 2024	Jul. 02, 2023	Jun. 30, 2024	Jul. 02, 2023
Employee Stock Option				
Share-based Compensation Arrangement by Share-based Payment Award [Line Items]				
Anti-dilutive securities excluded from computation of earnings per share (shares)	8,325,000	6,890,000	8,415,000	6,713,000
Restricted Stock				
Share-based Compensation Arrangement by Share-based Payment Award [Line Items]				
Anti-dilutive securities excluded from computation of earnings per share (shares)	1,000	3,000	9,000	1,000
Performance Shares (PRSUs)				
Share-based Compensation Arrangement by Share-based Payment Award [Line Items]				
Anti-dilutive securities excluded from computation of earnings per share (shares)	0	0	0	0

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Loss (Recovery) from Fire (Details) $ in Thousands	3 Months Ended
	Jul. 02, 2023 USD ($)
Fire	
Unusual or Infrequent Item, or Both [Line Items]	
Insurance recoveries, business interruption	$ 2,500

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Business Combinations (Details) - Moritex Corporation ¥ in Thousands, $ in Thousands	3 Months Ended				
	Oct. 18, 2023 JPY (¥)	Oct. 18, 2023 USD ($)	Mar. 31, 2024 JPY (¥)	Mar. 31, 2024 USD ($)	Oct. 18, 2023 USD ($)
Business Acquisition [Line Items]					
Business Combination, Enterprise Value	¥ 40,000,000				$ 270,000
Business Combination, Consideration Transferred	44,376,245	$ 296,138			
Payments to Acquire Businesses, Gross	¥ 44,227,414	$ 295,144	¥ 148,831	$ 994	

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Subsequent Events (Details)	Jul. 31, 2024
	$ / shares
Subsequent Event	
Subsequent Event [Line Items]	
Dividends (in dollars per share)	$ 0.075

***EXCEL 95 Financial_Report.xlsx IDEA: XBRL DOCUMENT begin 644 Financial_Report.xlsx M4$L#!!0 ("8U 5D'04UB@0 +$ 0 9&]C4')O<',O87!P+GAM M;$V./0L",1!$_\IQO;=!P4)B0-!2L+(/>QLOD&1#LD)^OCG!CVX>;QA&WPIG M*N*1#BV&5(_C(I(/ !47BK9.7:=N')=HI6-Y #OGDK7A.YNJQ<&4GPZ4A!0W_J=0U[R;UEA_6\#M!7E!+ P04 M_" F-0%9%-3W^.| K @ $0 &1O8U!R;W!S+V-Q&ULS9+/ M:L,P#(=?9?B>R$F[/YC4EXV>.ABLL+&;L=76- $Z,K9'Tl>=X;Z#_@2>H^!+,.;T:5=%-JOV('("X"H#^A4+%,B2\U='YRB] Q!\$H?`MU1ZAYOP.')(RBA1,P.+/1"8;HX4,J*@/9[S1,]Y_AC;#C 9LT6%'$;JR B;G MB?XTM@U< 1,,,+CX74 S$W/U3VSN #LGQVCGU# ,Y;#(N;1#!>_/F]>\;F&[ M2*K3F'Y%*^CD<<4ND]\6CT_;-9,UKY<%?RAXM:VX6')Q>_|QN?[PNPJ[WMB=`M_&UL[5I; <]HX%'IOK]!X9_9M"\8V@;;T$W-I=MNTF83M M3A^%$5B-;'EDD81_OTV23;J;/ 0LZ?O.14?GZ#AY\^XN8NB&B)3R`M>`+]O6N[!3+ MUES@6QHO(];JM-O=5H1I;*$81V1@? 5XL:$#05%%;;U\@M.4?,_@5RU2-9;,! M$U=!)KF(M/+Y;,7\VMX^9<_I.ATR@6XP&U@@?\YOI^1.6HCA5,+$P&IG/U9K MQ]'22("'R7V4!;I)]J/3%0@R#3LZG5C.=GSVQ.V? C,K:=#1M&N#C\7@XMLO2 MBW A(5M>5 TR M6'!VULS2 Y9>*?IUE!K9';O=055P6.XYB1'^QL4$UFG2&98T1G*=D 4. #?$ MT4Q0? *!]MHK@PI+27)#6SRFU4!H(FLB!]4>"(<7K;YH] M5Z%82=J$^:!!&&N*<<^9ST6S[!Z5&T?95O-RCEU@5 9<8WS2J-2S%UGB5P/&M MG#P=$Q+-E L&08:7)"82J3E^34@3_BNEVOZKR2.FJW"$2M"/F(9 M-AIRM1:!MG&IA&!:$L;1>$[2M!'\6:PUDSY@R.S-D77.UI$.$9)>-T(^8LZ+ MD!&_'H8X2IKMHG%8!/V>7L-)P>B"RV;]N'Z&U3-L+([W1]072N0/)]<_Z3(T M!Z,:60F]A%9JGZ]'-#ZH'C(*!?&Y'C[E>G@*-Y;&O%"N@GL!_]':-*K^(+ M.7\]N?<^E[[GT;'2MSAD6R4)RU3393>* M$IV"&VI4_5*E=?EK[DHN#Q;Y.FOH70^+,_Y/%_GM,T+,T.WF)&Y M"M-2D&_#^>G%>!KB.=D$N7V85VWGV-'1^^?!4;"C[SR6'<>(\[(A[J&&F,_# M0X=Y>U^89Y7&4#04.6RL)"Q&MV"XU_$L%.!D8"V@!X.O40+R4E5@.5O& RN0 MHGQ,C$7H<.>77%_CT9+CVZ9EM6ZO*7<9;2)2.<)IF!-G]\K>9,'!51W/55OR ML+YJ/;053L_^6:W(GPP13A8+$DACE!>F2]+S&5.^YRM]Q%4XOT4SMA*7&+SC MYL=Q3E.X$G:V#P(RN;LYJ7IE,6>F\M\M# DL6XA9$N)-7>W5YYNTB42%(]P# 4A M%W+C[^^3;G>,U_HL@6V$5#)DU1?*0XG!/3-R0]A4)?.NVB8+A=OB5,V[&KXF M8$O@#>FZ=+2?_VU[4/;07/4;SHYG@'K.' MYA,L0Z1^P7V*BH 1JV*^NJ]/^26<. [1[!8$@F_S6VZ3VW> ,?-2K6J5D*Q$_`M2P=!Y(&8XQ;]#1?CQ1BK:.QK<;:,0QY@%CS#*%F.-^'19H.,]6+K#F-"F]! MU4#E/]O4#6CV#30,9FV-J/D3@H\W/]O#;#"Q(]A[8N_ 5!+ P04 M" F-0%9(RB>!B8% P%0 &`'AL+W=O2(?S[M'ME@9[?FF'X!V_B\/#]2WB-IN)7]5:-^%,.0MCA)!V5H;DUXXCO;7(N;Z7*8B M@5^64L7$_,P:8V&^:.9&@UE9](P$3- %=!;'7.VN M1"2WERVW=7CP'*[6QCYP1L.4K\1 MLP'Y&Y]"L=7OKHEMRD+'*5WMS'URVJ"42D?"-E>#PM1$3$456"3C^V8NVRO^T M@>^O#^JW>>.A,0NNQ41&? X2!65^V!BT2B"7/(O,LM[^(?8.Z5L^7DY$W-8\&N#"QO3(W"GX-(/O8Z^*6'8DMD<>96+6 MFMPD@0B^CG>`HX1A!Y@KA@K^FB7GQ*-GA%'6(7K-E="(K%>VT=FEM=V A[NT_1&AZ)84W=,H/F9<&:&B'7D6J52FC@B7,BH3"%&O).J= MF!?%P0;R67P<"==:\DAC3/V2]8_JW"0F-#MR&T:"3+-X(50="ZY!]=OV.LP= M(#R#DF=P"L^S6(5V=$.RICRN'42XSN3I;GKSF4R>GF<(U8>2ZL,I5/>)+Q7T M%[===T;FAAM!I"(3F25&[> ]]$7%Q1_'"*%+*^.CIS"^\#=R'\ H"Y>AGX,B`**

M_=H@23MMUG>]?A_K6?>=-;NG$(Z# #Q'GQTNR .\1YZ2>L?&)2&*? KSDGJM MH!QBG*SB9/^+[^*N_2W:3&K#(_)GF!Z=%@V*U.WW*,9650(7]^^\ \>PR#N.@@MT
M*3H#J@+@XJ]|('W(R6PM$\QM&T1Z7=KV*$534]F_BWOW2VC ^>62N.S'Q4]D M+OQ,0;9JL7"EB8QCF(9S(_W7,Y)R138\R@3Y_IQ21E)8L>0+((RZ*A(N[NY0
M0(,P69'Y+E[(J!:VH3S<33]C)%5A<"S/B2,W+SY:YZLQ-%ZU2 T'<^OQ]BZ MAU65@)U4"2:94G:U42PQ\G2!762Z#JY!\0NZ;F55!6 G58#[!-9CQ?Z%V%7^ M
;66#%=L(*L\GYWD^78=!/4<7'4E5>TL:-!YX K&P-CW89\&ZP01%)(88^7^ M["3WG\<\BLA5IN%G7=^;N$[3VI%5IL].,OV;6*B5'6!WHX+)QRI/Z].&" MC6B5YS/[E Z\
[M#9U&%5!8#AMEUN2F9"A3*P>U\[)VLMK$&JW.[F^UTL M:971LY.V Q, 5% Y[V%C_D9^$_4]B4M!Q:2#KLMH%R.KC)_A?GUPU]M0VYK^
M14#!0W.'R[7;+FM[+G8Z4/F_A[MUV:7OV6[A8:U9-(@U=*57>;^'._6W5/OQ M=IP+E_O(,*K*]SW %!18$:^=? T"1PW">7>(9?TQ/ZK3Q+=[Q>()JWQ:
M'@>.BT.PZO7B+/&16WO5)!)+"*7G?7 "51S/%3=&IOF1V$(:(^/\>[EXTBZ?A3R M'[7F7*.G35ZHF]%:Z^W5>*P6:[Y)U*78\L+<60JY2;0YE:NQVDJ>I%70)A\3
MSV/C39(5H\EU=>V#G%R+G6Y>+P9X='SA8_9:JW+"^/) M]399\7NN/VT_2',V;EG2;,,+E8D"2;Z\&;W!5W-"RX *\6?&']7!,2JE/ CQ M3WERE]Z,O+)'/.
<+75(DYF?/ISS/2R;3CR\-Z:AMLPP\/'YF_[D2;\0\)(I/ M1?XY2_7Z9A2-4,J7R2[7'\7CK[P1%)1\"Y&KZC]Z;+#>""UV2HM-$VQZL,F* M^C=Y:A)Q$&!XX #2!! [P.\)H$T ?6D+?
A/@O[2%H FHI(]K[57B9HE.)M=2 M/")9H@U;>5!EOXHV^_4:J74BN4)9@?Y8BYU*BE2=HU='Y]=C;3I6TH\732=N MZTZ0GDY0]%84>JW0O$AY"L3/AN/90/S8)*3-
"GG.RBT9)/QM5UPBZITCXA$? MZ,_T6^'Y)?)(%4XA.?^O]?E_;OTH&;0=(K3BHSU\=\5";'@W.-!?;QZ4EF:* M_PV5NB;S8;)RW;M2VV3!;T9F85-
<[OEH\N,/F'D_07D^)=GLE&3SY=5<1O M*^(/L4\^\CTO=AS*?AW(JL!RD]A/"(U)3*['^\.\ C"?!-B"S5R8'WA>%!_# MY@#,IXRR%G:D,FA5!H,JIT+I&)5MN::<([-
S(%X8^9S+K%@A M_F2\D.+@;A*Z'?-C9H]Q $6#*+!RX:)"XK'02@6$PB2$,Q&UF8@&,W%O[)&1 M>HY6O#!;;5XG(4G--I^5"VQIH0;S$#F]BBF./"L/+BHZJF*=!Q>%
(QIYD94(M_,:8SSPX$W&;B7@P$[^7H_],\H78<_GU-5I*L4'+3')T]DYHCG#X&M(?.YVQ MM;N("V)6,$O[-WGFW^(Y4HV]SGQY@[H;BV6&>U9MLJ!U\MQQ'/F!-4*G (P%
M.+2'.P +"&/8T@O HI#VK>CXP&WB0<'&W!OK7AAG*R4O%E_1RCS+H+/HQV"T<"6#J$(QCW222>=#$J_*_9M M " :$ELOP'2P*1S+[0P9'G9DC4=^X.;1G3_+ULG3_(-"O?
=*N* 1;9T%\9" M\V>+=V%!C*EORW=A,8WCOGIW7@T/F[6[ETEVW5- Z?8@,?RJ&?O6" LMA?W M>0^LQ\7@SK'A8(-SM+/WS\M%1(]K;1!&
*SE$R:&"_=XZ>E&UV4K;YJ=B.J])JH-4JS?9;R(E75 MVM3,TRH++UFQFA:BH_7#LQ_UICTP[^@/V_F!@K#]C 2C?"LWXX//$ALN5]7W M(&7D[@I=OWYNK[;?G-Y47UJLZ[?
X:HJ!ZS-\-:^_*'7T]0>NM]6;-(5ROC1- M>9>A*:2LOQG5)UILJX\B#T)KL:D.USQ)N2P!YOY2"/U\4C;0?KF;_M02P,$ M% @)C4!669;+Q-O! O!(!@ !X;"]W;W)KG,-
I#8'M9AW8*DW1Z&/3 2;6NE2)>D M[;2_OB2E*+9$*T&K%UN2SSWD/?>8O.)XS_@GL<98@L>24#%QUE)NKEQ79&M< M(G')-IBJ7Y:,ETBJ6[YRQ89CE)N@DKC0\V*W1
5UIF/S[)9/QVPK24'Q+0=B M6Y:(?[G!A.TGCN\\/;@K5FNI'[C3\0:M\#V6'S>W7-VY#4M>E)B*@E' \7+B M7/M7"S_0 0;Q=X'WXN :Z%0>&/ND;]]E$\?3,\($9U)3(/6UPS-
,B&92_A< MDSK-F#KP\/J)_5>3O$KF 0D\8^2?(I?KB9,Z(,=+M"7RCNU_PW5"D>;+&!'F M$^QKK.> ;"LD*^M@-8.RH-4W>JR%. A0//8 6 ? =D!X(B"H X+7CA#6 >%K
M1XCJ).Z6^5NA)LCB:9CSO: :[1BTQ=&?1.M]"JH-LJ]Y.K70L7)Z8Q1P4B1 M(XES<"_5EW*!%(MP8R5RGMK;8H=!N]HQDH,SOY@0IR#"_#Q?@[.WIR#-Z"@
MX,.:;06BN1B[4DU*4[M9/8&;:@+PQ 0"\)Y1N19@07.<6^+G_?%Q3[RKQ&@4 M@4^*W,!>PM^W]!($WEL /1A:YC-[*9Q< @^:\,"6SH^-OOCNT8_$"!I[!(8O M.,'7..*D(?Z]?
A"2J__[?[;:5^RAG5TO@E=B@S(\<12QP'R'G>G//_FQ]XM- M^"')YD.2+08B.RI1V)0H[&.?_JEVD\+4PE: *C8VL7K3V$V#&/IP[.X.E>VB
MHB1,PF/4O(L*4QBT4(LN*@V\=-2@CI*,FB2C7A]>[U!!T /!%VIOO!"(8)7S M#@MI5JLK6^;1D-8;DFP^)-EB(+*CJL1-5>(7K;>EJC\AQ5>U?:Q47P+.B-D@ M=
_06[.W@&*SJDCT:"M?-7)T8"/?@U[+MUW0A9]X<_ZIYIBU?+2NN+9%Z"V M7"I(Y2J4_[_M6PE'0ZZ$0Y+-AR1;#$1V5!_?>^ZCO5ZWOK9"U@[9L[A/]7\M
M9\UL.)C&;9=:87'H!2VCVG !A)'=JO[!*X7_'7_WSICBPM$I,9[?,/S>[GCZ@4E$^L2P"A!TNDP8CPXF4PO0A45PY'4$L+ % MT&_O35/FZ.6:W/ T'I^XU_-?,OS
MN3Z:,6__S_35N&PO=V]R:W-H965T&ULK59M;]HP$/XK5E9-5!HD)(%6#"*5 MEVF=5@F5=OLP[8-)#A+-L9EMH-NOW]D)*;2!55N_8/MRSW,O/M_1WPKY0Z4
MFCSDC*N!DVJ]ZKFNBE/(J6J)%7#\LA RIQJ/4_EK"$QL!T[;V0ENLV6JC<"-^BNZA!GH^]54XLFM M6)(L!ZXRP8F$Q<"Y:O*R M@1$P9HC0C9\EIU.9-
,#]_8[]@XT=8YE3!2/!OF:)3@?.I4,26- UT[=B^Q'* M>#J&+Q9,V5^R+74]A\1KI45>@M&#/./%2A_*/.P!D*<>X)<_RD@/ ((2D#P M4@MA"0A?:J%3 FSH;A&
[3=R8:AKUI=@2:;21S6QL]BT:\Y5Q4R6)ZKL:G32FW+AT:%@XY!]Q*" W HD5F? $ MDAK\^#2^>P+O8G*J#/F[# W]DX2?UKQ% N\=\3T_K/%G]#6M$8!@X2 M*Y ;<**W;]I=
[WU=XE^3;/R:9)-7(CNXHK"ZHO 4>W1''P@L%MB(S1VM.4X/ MEOW&U[W$J4$:S+Y?TZ(W-&-TSJ")TZ:I* -\N1M0VC: NLLK[':M73-_-E$0 M=/ON9O].GNLT.Y?
AH=+XN5+8"0YU)L]UVO[%(U&1&G>O\>4@EW;B*!*+-==% M45?2:JA=V5[^1#YL]T;M&OD8AV QLQ[IBPEZ0^4RXXHP6* IKW6!?5D64ZDX M:+&R;7'8R!ZJ]!] =02P,$%
@)C4!6<17 MDA1G!P (B !@ !X;"]W;W)K*)=(." M1+*/I^>.Y#T/3[EXU,WG=J64(5^KLFXO9RMCUN>+19NM5"7;UWJM:OCF3C>5 M-'#;W"_:=:-DW@VJR@6G-
%I4LJAGRXONL^MF>:$WIBQJ==V0=E-5LOGV3I7Z M\7+&9D\??"SN5\9^L%A>K.6]NE'FT_JZ@;O%SDM>5*IN"UV31MU=SMZR\RN1 MV@&=Q=^%>FSWKHD-
Y5;KS_;F0WXYHQ:1*E5FK L)?Q[4E2I+ZPEP?-DZG>V> M:0?N7S]Y_[D+'H*YE:VZTN4_16Y6E[-D1G)U)S>E^:@??U7;@$+K+]-EV_TF
MCUM;.B/9IC6ZV@X&!%51]W_EUVTB]@:P8&(WP[@IPX0VP&B"[1'UH7U7AJY MO&CT(VFL-7BS%UUNNM$035';:;PQ#7Q;P#BSO-
)UJ\LBET;EY)TL99TI05^73SGOQX]A,Y(T5-_EKI32OKO+U8&'BR';_(MD]YUS^%3SSEMTW]F@@Z M)YSR !E^Y1_^7F4PG'7#Q>'P!
<2["YKO@N:=/S$5]*9I5&V(;%N(\QR+IW<0 MX [LWCIOUS)3ES/8/*UJ'M1L^?(%B^@;++IGEU>R71&8-9+9 M"_5E4SS($H)'9[%W%76N; %X6+
(XBGATL7C8C\WZM&NK^]"N MDCG4F':MNB)1?@,_)12L;G%#Z2-9H_+"D%+# F@[I]3Q@.6G#R#(0LXCS9&(G)3MLB1?;=:/6LLB)^@IL M;U>"G7!M5@I6R$'IPY
G#J18A#P8 7>MHH2F*8X[W>%.O;C_TD:6)T!,D8OLA.+%8_Y/&*BWX,\I%"LW%+S_Q2K;10'
MRQZ*.1M/)687!%S0B3SM20MV9!F"VFP,!+0&76'F'5K+0&N;KSFIE4%Q,W=3 M4+X_;UO?DGH):FJ.])J4 A>A;BUM'!9F$\$6.DB%G(MV,0N9P.U,S^W_Z)U_@@E$H4FG&
<*V"0!'V-#[%+!$C8!;F!SYJ?S#[61]7T! M++5-X/2$NWR9)F$PKN*(&;!O&DX4O193I0;W0,S[6*:9),@!L(D?D9 ML:_>'G NV7&;E<0I2)@ABQ,V-=,#+[+D).%?%A*D16&
O%'US[S\^KWR_[F\ M'08]D"KSL^I.-Z[E-RL:T8!=KN0\S)XC':@1W68G3A(\SB9BQ**43VH3OG6S]W+6K M95O-W!_]NCX"5(Y7CLPUB)EC()[B,#US&_5PV)MV]+8JB
M=6DK118#8A7QJ;4P4!OW4]NA3CV&%*&M*(D=D8#9A2Q)IM .],;]]+8O5_5W
M9MDELBB(XS$S8V9)&D\MYH'NN)_N3B9FCISPA(A3!RAV$H3)F$(ZOTH6(3>DL1ILF!F431U-.0#!W+_X7!_.8ZM4Y>7&)33,42$O::.K&+@+N'GKKX8'
$H7%8*4CA7CZ4/8A',0]<*/QM MWIN5;-1*E[EJVI? MY^3L-66@ !OR($N0!5T^V!OR=F-6NK$]BW,"!Q32VIRU1SH4;TBM=Y9M:RM(MUV':F!;.?#FL*S2_+AF/BXC7Y# 3
UF+(VUE6/FZWDL#Y4?R("B=T]-S@6?@ MG+"8S4-(NOVBNT[3TURBR7/5@0C&$N*(T6$"!_T@CO2=\[RPK]R@RMFNXBL MG\EU
54/!8KT@FG$0J=]@QJ*F$\U9L4@&X1?-GQ41L)'<)R030U3@=<_@AJQ\/)M Z20?@E QPH-M6F[%Z\;7NSNH):L++O2$%*V'Y?US*Q+3]@ M9C0(5R.\BJD(G2 0NR 4(IH(8A
3PB\F>O)K)PLM"AI1"B&-8N%4]0PB**41O,>9W<[<3^,'WP!I,C[+ZR1@1IBC8S%W@M<^_;\=]G<%W4+(OT. M1M+7,>2@Z5](]S=&K[MWNK?:P,FNNUPI"<"M
7Q_I[5YNK&OB7?_%K#\#U!+ M P04 " F-0%9T-<5CK0# #?#0 & 'AL+W=OFM@/7?OH;.]F00 @+*B\@?V:>_)[)X$DF.R%?54JH1M\SGJNIDVJ]>7!=
M%:;&@.9U9"9D3#KER[:B,I26Q2QEW?\T(W(RQW9A-[;"%G$U%HSG*Z MD$@564;DOT^4B]W4P<[;@:]LG6ISP)U--F1-EU1_VRPD[+FU2L(RFBLF(:
(3IV5SD2G"6$$T3]$0XR6.*ED9.H9L% MD337*=4L)OP6?43?EL_HYL,M^H!8CGY/1:%(GJB)JX'$Z+EQ==6G\JK^B:O^
M5N3W*/#ND._Y@X[T>7_Z,XTA'=OTH)WN@O^Z"'Y=!-_J!2?TEAKL0V]J)%;H M$\NA"(QPM!"*V5[[Z_%%:0D=]W>7U5)[T*UM_H8/:D-B.G7@?Z:HW%)G]O-/
M./1^Z3+^/XFURA#490CZU&>/F9":_0>-$ ME:Q$7TG0 W.TM5=I4J/-FE[*A ME37KQG:&\0!'T<3=-KUUA 5^-![782WJ04T]Z*?FL!39MH5%#<62)DPC+I2B MG:REV+
!X1U@]D6T"(A#H] PG!X 'L<,QP%W;AAC1M>V :Y MR#^^LQ7"(QX_\D,<'&!WA V]:'RBT%%-'EU?Z(:)+O#HJ#D/^Z(OHH4[JG%' MO;@+F%@4@!
($RWS\BC9$HBWA!44WL+PF@G,B%=I0F+HIK,2W7=CE%:(FU+V' M#\C/!+7@QS7\^")XBZ@0*70JI.T>8Z(\VDD^/FJ!@6<^!^QGPUKTV-O//>\: M?
J94<9Z]TNY;17I#VLR-68VO88:G,Z5A$+-\?18#[M#Q^+2#_1S%_8.TT\$EW7\\+4_:Z [MLN$V MGK[-J\\7(M1Z]Q&(R/)MHMS18F,?R%^$AL=[NYG"&QB5)@#.KX30
M;SOF&;]^IYO] %!+ P04 " F-0%9+Z@MK70' #''P & 'AL+W=O M,HR?4Z MDZLG;MK/$ 5):"A"1X*R?;^^"U(F)>)%<<=?+)!>@,\N=O?9!6X>9?6CWG*N MT-.N*.O;R5:I_?
5L5N=;OF/U![GG)?QG+:L=4_!8;6;UON)LU4[:%3,2!/%L MQT0YF=^T[^ZK^8UL5"%*?E^ANMGM6/7\D1?R\7:")R\OOHG-5ND7L_G-GFWX M
U??]_<5/,WZ559BQ\M:R!)5?"T[N\%SI)1C\'/B"%X5>"7#\<5QTTG]33SP=OZS^I54>E%FRFB]D\1^Q M4MO;23I!*[YF3:&^R<>_\Z-"D5XOET7=_D6/1]E@@O*F5G)WG
P(=J+L?MG3 MT1 G$V =^P1RG$#&$T+'!'J<0%M%.V2M6I^88O.;2CZB2DO#:GK0VJ:=#=J(M4F_C@ZK@OP+FJ?E"EK4LQ(HIOD(/"GY@CU2-
Y!HM6+U%7V"?:S1%WQ\^H:M? MWJ%?D"C1O[:RJ5FYJF]F"C#HE6;Y\7L?N^\1Q_=B]%66:ENCS^6*K\[GSP![MKP!Y4> C\2[XCZ;\@&CP'I&
A!8\BTO3BP\H(.UTZH%#>WO2=CWJLJ]9SF\G$*TUKPY\,O_K7W < M_,VF\QLM=F:!L+= Z%M]_COD'E'F9@2"AMW.,5O2J4T M2+->Z@Q8U
.+O%MSM_HOQ%/GWDI"#LIEF8N"H[)'K-_KIUSOXKZ2!P%.BI;/ MZ*JI82#*=S^_H=%;;N@;+79FM[BW6^S=T 0N!#_HQ%[[0HV\
(D!"P=A0D;@3:D4)XD=>]IC3[W8KWYEVL<*64,&+M%* MU'M9L^+_4R,U 8C%4R):6I7(.L5R+P*W.UDI<2?O?%%J5BY$4N(,E;77%D9 M(S-@1%$XQFH*X3B-[&AQ,+!?
X,7[^2GG8&MM2[D$(N2* ^8#6%16SRC?LFK# M[2P7F'AH2$>@;5)AZ'!P?,+9V(OZ"Q,5.K"B :OV20VU11$X1-5FJDX'2$[H MZG<)6N'TG54/;"
(D9)R/+5*!0PDR*$%>Y2K@[+ELVMJC F_G.]'LVBC0NASS MME4#8KI// Y6BQ"&2M>APT#VV,ND\V^<%>)/L/?5YBQP(69YY_Y^Z-3,(6/@
MIH@+]4#0V,_0BRW$I/9S7>_RJO.7CO[8D\/=0S-5)!$UT%K$<(@C1U;! W5C M+\/-[_*C;T!JY^+ (*%884;F]\,D20U_MLB1,"0NTPY4B?U<^;U2'
M_>QW7_$]$ZN7NN*8EM665])@9M"CG.3"+:061QE8QJQB47$55KB@??P!>)[M<=]>W9ZI\EA)$G'19%%:IJY)*!Z8B?Z0!@U?#!N#: Q*2KV"S.+5+3C& 7
MPH'5B)_57A!>RD7$)"-(,C08NZE5CL:I(XC(P%S$SUR?7K+F,:3=B=E)@TE-'$,+ I1:&6=\ >R(KXR>J?.I*LJ$R.H5DPSNT6*? -1\%+ M!C(BE]O%5[9;5AU,Y@EQ&
(R#RR(6)6% '%H,_$3\O>6X[>^(_R>Z1/*F;>); MK79NA8']B)_]|IL*2F:=N2_7/L1"<"3.TGBRL*QX&+B1^+OS*5%.U M.],&L*[9?@JXR7[0V08&TUCD,(Z2V$&39*!)&[XX
="@Y[A6HI;6IGZ6_KQ>\[RU]UI67&ST06[>'0E J<51 M-V[/,5IUV^I6#S2M'(E'<1(+40=8R,;V\0(Q@Y>H0.=4S^=M]O3GVR\#KFE MH25Q0(P8L,C1U-
6;T8'1J9_1%RZPB"FTY!M1EMJO--WS2LB550>3KTEPEDZ. M.IAR.,6G3Y7@NI/WPL^,*Q^U-P<[>O\17R^Z.^5AF>Z*^RNK8&=J5/ U+!E\2,"F
M57=KW#THN6\O7I=206O8#K>< 7]H ?C_6D)M;M/[Z(2NJI^L)FGS[PZ?\?MUV?YC=7#VD]]EMUO[R\+$6 M[V8'E%6^RLSF65%T2&(;73]Y,9G/:9/-J^(_^:I= M7T^BB;?*
[M)MT7ZJGOZ6[2?$.KQE533]3^]IW]:?>,MMTU:;?6[GZG M7_:...J R(D.>-\!#^U]AV(U@&')SK0?0>J6XA.=&#[#DSK0$Y9"/8=@M[W M.V?
UGEZD;7IS55=/7MVU%FC=BYZNOK=P<%YV5]9M6XO_YJ)?>S.ORJ8J\E7: M9BOOMA6_Q&73>M6==[M.ZVQ=%:NL;O[B);]M_:K-_5^N5UXKWYX[37=OQLO M+[V?
U]6V2;3;B M*KUMJ^6OEMX+=^_WJU7>7>5IX7U,\]543&&>/N3VD21NK$]9*U:S<&62UF5> MWMM\P,\,9[G<;K9%3\B_VG56>V)Z8M=8=\OY,?/^434:ZDQP?B
>'XC'O1EZ MPLR'[#XONR%Z'](B+9>9]TI,?,?]:R]MO46V?.L1],;#/L8V*IWXW8[XKGE(ME]GU1 R^R>K';'+SYS^AP/^KC> =&.O!NMWP\0:%."#H:O9XS"2DS002C .!
M*5R2 Y=D))=#^-MA!L^K%MNN^IW#6V?L[F+0E[N MD& +2+ $$HP#@2ETLP/=S+DH_BD>R_*FV?;K0=S/EKN;1-/1[6U+0??^]8-8
M,LWQ[F=CWVEK+/O,V.P"'&DK"M)@ @G&@< 44H,#J0$@J38B \/W.&#:=C8/ MC T(;_1888BVW3GG,M;M0&"*V\.#VT.GVS]E#]MZN>XV3]WI9]:-$W?LN@D- MIT_C(-
"8@;280()Q(#"%P>C 8/1,!FVL1::CJ;B=:]?W/#+OT_HZ<8YJ+!LG MAJ4])'(@FXJ?XX.?8Z>?^Z>):1?KKCHO/XB']K0/H;,OW>O,YNW8W$MBI&\F M?F8?OT6V*
[RQWR5G8I/??,:PU0,0V/# M;6XL':!HR< Y<"BK*B5'R@,Z?R\OQ2*Q+HI]Y^-)1,2/8IT'IXW1/$"B)<.F MP*&,JC1('0"YA8".AFTIXJ$B_Y_8M.Y3<4-_551-\]KKE+_'-
"_2ST4VO:OJ M:9,6F>#L,6O:;C4U;[PRZ]=4FWZQDFB&]23$QEJ"#,07H&@)*!H_YP^50AG^ M(W?_RE;%FG3Y'?YS$8QTQ!Q(?=6Q^MKK6.U(;=>9UU,IVKD)MI)*C$D8
MC#K'.YI12+0$%(U#H:G,2TD#.4/H&U[567Y?>LMM76?E\JO7UB+N*7970;KZ M[W;'HY5&:MXE",9Z*.0>P&@J0;4*4#1^UB$J1U*'0&XA(BE7#IGU[]OBK>?C M7J8C5IY
I0=D:@\HQ#C6'OT6H%834#0.A:;R*24(Y-8@-#X'<6C*!8A&/C4B M*F0J#Z;8:D/SD1^'^O.[I2$C84Q#_0G$;#<-HLC')RY]*1L@MVYP-LGP_J$^ MXSE0 0&9"D*79O#U-
.HU004C4.AJ91*'0&YA01KKN$\C6;HCJBX_/4$SQR9 MFH)E 9AH<8R#V->O?[,=0R'#@7[]6X2%@&)RZL%,B@$HOF3* 4$&X'-0M 4H M6@**QJ'0U,2JU!JP6VN
S3RXC8W.LYK:@)%_6X":3$#1.!2:RJT4+? T>)% M"0ALJ@(L1'H$M6^E9&=UEFQ OL9EXI[/:.]?0JO 1V<6W%K%_,0;N#1J\B, MXZRJKI;R@38+1,\)RN!S7 881;JIT/,N]
(,/K.2C: A0M 47C M4&@JZU)((-^SXL%M;/1%8 ;^)#3N':!: R@:AT)3N96*!+ETX0.Q)/E1%.H) M6/RJGI;J@4$OG*"6.H8 FS(!&[+ MH_>T04834*,<"DVMG)4R
84IGZ"VT@,6,IT1M[G1!;"@>L# .7 HJRHE,M*G M+RF?H&;43"-,]!R%V\9H'D#+)X9-@4,956F0*@+]_H-!4IJ3T0,?7.YQCQRQC$#X/0J+G8BT-3=V5VNH= M L1B_>-E+
T98HAB_9'!HDJ$/F$G4@I4AO[TA?4./Z7U0;&V>PY4 J"V>@<4 M!'J5/JC5!!2-0Z&IE$H1@#ZCWN$\C;9ZARA&1OTRM=4[& O @N;3,- ;)I:& MS,>$1/H"L!4\($1.U+I1&
<33BQ8\4-""!U"T!2A: HK&H=#4#UJ2Z@#[G@4/ M;F-C+P)F1O.1?O,'M9B HG$H-)5:J3*P2]<[,#.,C_5*K3DSCQ;HHN@0G,0] MF]&^OX2TP*2TP"Y5[>
&'KV$+-4.6'^H6H#:3$#1.!2:2J04&!ADM0.SG I M/J/&FC'/+!AK!C3T'S@P#F55];:,_YD[_G].(H&982["<:#+I6[+8Y\HAAE-
M0(UR*#25G*,/980I=F#60H$HT*4RM[G1C,!^ZN*P.7 HJRHE,KYG+REV8&:L M3 *,] -4;ANC>0 M=A@V!0YE5*5!:@?L]RMV8!8=P#<^A\D]P-$<@FH*H&C\
MG#]4"J56P/Y(I0[,I@KHE(+6.H"B):!HW.T-E5 I9["+53#LD=5:5!_KQYOG M[A&,9@A4I !%X\Q2PJ!Z1/U(8"D_!"^K83@C5@>VJ@-+*F%@NX5[M&,Y $7C M4&@J4U)-
",97)YQCQU*=8$TE6!J:2JH-S9I*L#2TIA(L[:RIA-G15W1T7]GR M4UK?YV7C%=F=Z.B_#<5E5>^^!67WIJT>^F_M^%RU;;7I7ZZS=)7570/Q_[NJ M:K^]Z;X(Y/!=-#?_!U!+
P04 " F-0%9JRK@ +M=#K^L]&J[9(C?6X">#)5W %,SM\DKAS&]8 M,E: T$P*HF ^],Z[9Y.>]7<.7QFL]<:8V)7,I+RSD_9T ML0L A-9:!XF,% M(^#
<F:/VM.KPEI@9OC1_:/;NVXEAG5,)+\&\M,/O1./9+!G);<7,OU)ZC7 MXQ),)=?NGZQKW\ C::F-+&HP9E P43WI?:W#!@!YV@%A#0AW ?$S@*@&1"^- M$-> ^*41>C7
+=VOUNZ$&U-#DX&2:Z*L-[+9@5/?H5$O)FR=3(W"MPQQ)AE) MH25G&360D:G!!Q:!(7).ICE5D$N>@=+OR.1GRUT M3 X/CL@!88+_ ^BM(H$SXJM[/;L_!,+VD*0P\/.PUJ
M!5[R]DVW'WQH$_XUR<:O239Y);*M3Q0WGRC>QYZ,J,Y)QE8L]R 9 F*I+(H M\##6=B>3PU)GSNJF1VU?J0IPZ@+8!K-*@DYPTAOXJTWYV[V"K5]W&S-NPW1W
MB">M3G'CM*5*KU&EMU>5&WI/8#['MF0KMQ382SG[A6?= GLH.>12ZR-B&]:* M,DYG'(ZQ]QYKR@'/LQ5H8XN^]3BKXO8WLHVB_HY43WV.>Z?QCC9/G>)>M"/-
M4Y]N>+(KC;_1!@I0"]=_-59!*4RUU1MKT^+/76?;L5]TST;=%OL8KP15!_]# M7]TG+JE:,*$)ASF&"CHGF+"J>G0U,7+IFM!,&FQI;ICCM0:4=
<#W&ULK5;;;MLX$/V5@0IT4R"U?&L2I+8!)^WNMHNV;KR7 MA\4^T-+(XI8B59**[;_?&5)6%,#)R_;%)JF9,V>NY&QG[#=7(GK85T]J>5)Z M7U^GJCZ9LKR0>!/B3O76P-
[LC'F&V\^Y/-DR(108>890=#?/=ZB4@Q$-+ZW MF$EGDA7[ZR/ZS\%W\F4C'-X:]9?,?3E/KA+(L1"-\G=F]RNV_KQAO,PH%WYA M%V6GDP2RQGE3M>PM7P"85QJS
.O*.AP/*=\&(QLV8'EJ4) MC1?!U:!-Y*3FI*R]I:^2]/QB'9,!IH"UW&I9R$QH#\LL,XWV4F]A993,)+I9 MZLD>:Z59BWT3L<=/8%_)Z-]Z>"]SC%_K)\2SX[L^$CV9OPLX,=&#V
R/(?Q M<#Q]!F_2.3\)>),G\$YX"7\O-\Y;*I9_3CD<\::G\;B!KETM,IPGU"$.[3TF MBY\QA!A;:7.9,V>G/VR7*Y>#8A/@19UAN!*TR@"06J^/+!F5\FH MH[CD@J$*J04!" 7.TP%-
+A\C8%$%@>@!&5$-]0,M @:%I1;Z\/+%U7AT^9;B MJW5#&#$4_4C\!C2#@\H!A07DIH)WF&&U00N346B+21 24#08L'SX2
M[FVZ+%#]J#8<'G.3F7NT7*R%-54@75"]@/#]]/SDN#Q"BS SG@\N_]@1-8D:LEW^OWR-U@*FP! MA"NAH&?" [\CBS8XF_@]YYC;:/WFZE78NN']"K]!NP[.%FX*:-=
[MW6GW M,EK&!\&#>'Q6?1)V*\EGA06I#@>7;Q*P\:D2-][4X7FP,9X>&V%9TNL.+0O0 M]\)09;<;-M"]%Q?_5!+ P04 " F-0%9_Q'STA<% <#0 &0 'AL
M+W=OJRZVN=H"^V1,X(>K9S_ M"'JB**YK8\-Q5L78'$ZG(:^HEF"-62Q4SA?RXA77TY#XTFJY%2;Z7PV>SFM MI;;9XBBMG?O%D6NCT9;.O0AM74N_/B7C5L?9;C8LO-
=E%7EANCAJ9$D7%"^; M%I^(X.]D]/-UG^V3PIZ95V'H6G,G2N<_\|E8=9S,.B SE MD1$D_GVA,S*&@1#&58^9C4>RX_;S@/XFY8Y9R-L07=T[(X):V^Z_O.YY>
(K#O'>8I[B[@U*4 MKV64BR/O5L*S-=#X(:6:O!&X[3#F#^ \5*\;"+FL_G^ M(WA[8Y)["6_O ;P_?"FM_D=R'TS$F;/!&:UDUQ96@0 *2+U;<(5XHZVTN99& M7&"QHT7\=;
(,T:.+_KZ/H2Z_?L#X,DZ#(W,Z3AK^"S_A;+%]]_MOIS]_$AZ M^V-Z^X^A/[&&7XLA3O(<;U';DFFP2GH5Q&4#WD@\.[FX?,[EV?MQ]M-$9&]M
M[FH2'^0U!?'L@VMT+@[V9\|/Q=NZ\>Y+#QF=V%B*USKDQH46C&3B0T5"PDIU MEMJ*6&D<7I9-.8-?M*8P1V==0X)58R"ND)>K+\A!EG@_'@B=B.:.K

M5L.U:9<&#LLV@(X0ML"=4%UTP&\HUP7,.L_[*3S27GAFPU/NT"|&;U[*MD]8*ARJE>1&]H&VGH6R"IXT7"-,HLCZEFJ58BJM6AV43GJ,.%15,]^^*@XN*/("&#(!M20@)QWNF!JPQ%PWY'.FR>W0Q\7H+?D=`1!^L[80K]V"K\?%%0>E;D:HDK>5H M<*IVB'1)L;.62R8+CNLU(J^7>-A]T(&IA(VI<0[49PYTG#_T!AOZ"RA3@>VJ<3RI[Y,]?W3?YG9E<&A*# MYS+Q:"3-UKYL7ZZ,^@%/ &V)NG_>\CW4I!#;8:"<#-H^W5(-M#\@%/:86GN)=O?C(R:M.]J3'L$CEFFVM.'BBIAS\[YIRWPUGNG5CK M1-*>{O(ZKHY7_Y/NQKLO[WXWO),>' =A](#K;.?@129\=Q;>O7]EKTOUWZ3)N MT^FQPL\7\FR__<*Y.+5P >_/HL6_4$L#!!0 ("8U 5GVCDA>5 4 !<. M 9 >&PO=V|R:W-H9657T|\ QD58+MBETF(L9V'5!XT,[T[*C326-+LLO[ZG-;LS@X8,,D#BVY]^G;Z MI3E:67?MC2"5\5A73K,])V==P9=;8+G]0B#[PP.#DJ MY8*N*'PI+QUF@P8E4P49KZP1CN;'G=/1X=F4S|<#7Q6M?&LLV)/$VFN>O,^. M.T,VB#2E@1$D_BWIG+1F(QCQ;8/9:52R8'N\17\7?8>@ M(S*:RTJ'3W;U&VW\F3%>:K6/OV)5GYU,.R*M?+#%1A@6%,K4_^7-)@XM@8/A MP+CC<XEKBC:^D4&>'#F[$HK/*YT'=4H#>.4X:1# '_^,D@W0&&O9 MV?A1P ^5Z80\'O&P_T'S;O)X^DDXDU^[ND)Y5-MV5DQ_CY-2' @QS_W^5Q#M3N^'Y((Y]*5,Z;B#BO#DEM0Y>?YLM#=|_8C!T\;@Z6/H_R4U_PM(O%-&FE1) M+4Z])RQ(DXF/2B9*JZ 0FY#+(*1KQ#*!>0N-JTH\HK1R3IF%,)-+>>?)Y)S&WM&M7:.T$FFC8EK[Y'3&PWBN5.L6XI=O2M4]PO6)&0*%KJYZQ^N5/O&O5)5"^] ML',\E!#'O%"&>BUE8<>__)0_%G9 +1+!U(HP^:56A@U5ZDT0?P!"YWX8FS"M"8WFOS=E!2M??*0E:3%YN8G7(5.>UBA'=XW\J0R(5-6A_47,#B;X??[L8#P: MOVZ-5[TKK9.:1&)A3;,^&>UU)]-Q,__LHM-K86#K[MATUAW>=PJAT[M38V"]MFC;3;&XOD>DUO/83FRVMYQ);3#Q\.L!H MUHH.N'9NBU*:=5S;?^U%\5#*F,<.KKKP |&*$*]V\],VDT@U$R21B>X3*M<@.(.H-;QKG6TM6AV1%$3*.(,($0BU3B-;+-2+V]&C?KWFIY1$MKI8[?__%3 M/^!%83/2O)5KM)<2*V%;Q6%JBN L5MU.;>QRQ6;$6//'&>+_MN&R=LTGD>2:2=5MH$[<,MU4,FZ_0@*$#!0!1C>VA@O9 KF#V\4*,)\|-N>\3Z MJ9$<|\6%-'A=<(Z%XL[BD4:OV!+63CXHW.VQ5,'J5G>)NOW/NU5M"T*768;Q MMLO9|*"#\^W@ELXNL1CC(866;D%=]% NZY72A76D4D1]$"JOL"[XV[2HX3?M'A'\[KX8\<6O3 C$< #/"-"OHUU(;JA2UB\I3;7<@- M&?]X_-* WB]6BC1H7.$.]3$S2UP8:-DBK$OR=L5RIMN:GEG-#F(>_?^41_3H(.)A6OC+;[670U\S5Z[FMJZ/V:S30(MCU#YOM'&=/]_E&7#?I-5]Q84<;]546#4 %F74/KMF.,'8)NBW3HGGH:VTI? M,4APL?(P#X8=HVUQ60*W'B;AL*.U772VXN9#S/,$UZ,/;>WA0)Y$&,H(&)W-1,-"\,!D$]0(:,_3;+CWE//8S@5$A]'PM>,N-M1"@1Q15&H1UBN>?\P]. ^D4D^=,X$PD'HL+ M6BX27,7$EZ!0E.,TA,J -\!@FOO#OS<\8&F.3,JZ>B(-%Q D<#LKBR)V$ Q" MP#+L4^$'6I4K$x+#I21BOK15=&4O6M&T9+-J#S*7<2D)X'O+.L>B$ G8= M N$-89GJ:DQ1,&H- AKFP(6.7MRV .HS Rf@<1IKTARKRIQ=$M@32O2QKSV(KM@VF!8ZT=_1IYB)[;::/4T8SHA%'(-(Q0|'YL1TOQ M/>;|ZX|{(^_3GI*C:Q%7;ZCH/MK^W:W@K<6//V(0N++B*@!B0/\-XM,L4G\1MV4VH\3Z_;"G5Q=VH340@@Y3KQ:U\XKXW[O>W9@IS"-K@@NXP=2^90#I('3D: MM;/6,U/7\P*H6$#ORA]49ZIWZG WT-U+/K*9;%.3B6]4E]G!R#=FH_/_,QO3 M-Y4|"IFSD@T+CP3|&P8XM(ZB;A0=Q=TH/DJZ47*4=R-_.]6'W=G=0+Z0"}>1 MNQ=&7+@=&^QS&W3L UB$4HX*/^N\/.;8B]FH 1H0]]):+BU7HDHY M\M12+E[MP=@$+;3K+5,> MHHM!PL:N((6M*%B%ZS;=X69:N[=UQ-ZE=36UG|B6-Y=?J"Y M\M\E5M/UYT/LKFGY*C4!$N#XRP9L9_,?$75L_=5XH[;.V>N>%4220 3<#SMB490N@O:8/G9ZO)?4$L#!!0 ("8U 5E>85LV>@(&@% 9 >&PO M=V|R:W-H965TD+OKZ^Y_A<[.-E+^23]A$U/#>, MJY57:]TN@D#E-39$G8L6N5DIA6R(-E-9!:J52H':E@0A>$T: CE7K9TN3N9 M+466G>5X)T%U34/DRQ]9Z%?>Q-LG[FE5:YL(LF5++*GQ _:.]DV86C"P%,9 K M*CA(+%?>Q62Q3ZR]*_A)L5<',=A.-D(\VMD0A9>"/=)"UTMO[D&!)>F8OA?]-]SUDUJ^7##E MOM /M7'D0=XI+9H=V"AH*!]&\KS[#P> >?@*(-H!{J=[V.BIO'*:9$LI>[*V MVK#9P+7JT$8#^#H%? 4,@77MM8*OO,#B?WQ@A(QHHKV;=722\'O'SR$.?8C'"*#G!%X_=Q8XO?J.[%[BB*F=" M=1+AU\5&.6FNP^]C'0^$R7%":Y&%.DF.*|]X0*"#>9AE].R$U&N=RVV'$]&&',CL_(Q>">?^7#&W1+9$6Y H:E@8:GL]0#..?AZF&C1 M.B]MA#.:=&%MGD*4ML"LET+H_<1N,#ZNV5]02P,$% @ >C4!6>+/VU')M M!@ M1$!D :IX,"]W;W)K&ULW5C;,N,V$/T5 MP@UZ;2Q?(GMI$F 9-M%6W2!Q:87%$4?:&EL$4N)*DG%<;^^9TA)MK->%]T6 M?>A#(E+BS)RY#WV],?:=*XB\>"IUY6X&A??UU7#HLH}*ZNMB3S0%3]X3A-9|-2]FIP>QW>O;&WUZ,Q6E7TQ@K7E*6TVWO29G,S& VZ M%V_5NO#\8GA[7&OVSRGUQ,U@,1$XKV6C_UFR^H5:?"^:7&>W"?[&)9TNC!B]\,LY;N/M*-/T W$Z]-Y0LGOJYRR@_IA\#0 QEW0.{'M)QE^UU3G8I(F8IR.IR?X37K%)#'?Y*1BXM>[!?.6OO_MF(Z1Q?0X"Z'*U?+ MC&X&"A"]!$&MY[^.IJE7YX..T!3D]QA'Y'YDW3'4,7;_E"0>&G*6E;;SYS0 M\;6T)&JKD'-*;^/+'"^0U]8K_IY9XYS(U6I%EBK/>:1SA"$);3++)R>/$IL W MX7?\16;JO,F\$PI_S"R>//=W6@NSXK.,]C%D6CJG5@K294]1K=LCY^(E)*"*.M="2E##+'"*U-'%-X(>O)4Y<)8X&!@N<2P:K,^-HL MM5I'1R6"7"9U| %\T[AX%J? 3>5RBRUK_8CD4N8L99;9@+%V8?07C((E'.R M'& 9061.3^<[VL:HN.9BP)/B/12/X\<^ = M"L _BKZP1"]*+D\!OU-/|0Z$RN1.$->L0P%B ZEGDV0ZGR9IF@;"LWF23N:|M9;NXFD('T=M38#+IBIVA_B$D-B!C2F<{3+-D-I}>QO2^65K#;A3+CS"4;@A M_4BBC(4\",1\Z9067&0[:&- F%E/<O>4F;6E?H# =]EGG,8(3!90P.Dt%;(MEG_!+1?SG?ZCR>7?\\C'AP>JY3C F$08XV06A4BI?$$W".E[#=2G%EC0%\)F;)8C[CS848 MC9-T-.+U3%PFE],1+ ^=8CM(Y+Q=BD M-CY^1EN7K(O3"+B5RM!6A.5!W4<=>^WNPUVEP]%U'W!7.O0C&.8!3UF;,/M M7ABW B_)ID=? Q1NZMQMH2_'<0KK>BTNB M*I0(R[EDJK:25"X,'>S,>TPE#..!;S480BH8E3FHG;_97Q_O<^4ZO)U3.M0LM!IXPX(=Q3??5,%SN %_:*&2_^<$-]P.&"""$,B ?$(4O&7LLM]Y=YKO@()*R0 M$9%QTCF 0Z^I6\]N@4BMI,#@>@.N+6YO6S]1W)E[/8*&Z!QC/58ZO)CS]:C+MVM5IDB3+'2@P;.PP2(0.MS/'[$'9]+?]0 !CU<,UA&:;*,.']DH_E:Z_2G2[R/[@AEQA!S\6O2]QP[RJ-%Z"PQXV$9. MQ%MU_[;_3>(N7L5WQ^,/&]^E77.F:U]!-#V?7QBC'0;,^IP,5\:CX(1E@5) M]!_^@.,^[,>S3ND'4R-.M>&J$-/.@MG8]#4.3U]@PU(@PB:*SL&%[.?UK28K'%@* MWJ T7$G06,Z#13Q=CEV\#_C.L3,[:W"=K)1Z<,9U.0\B5Q*S*UC8/1IQ 14 MPA%1&:;WG,&0T@%WUUOV3[YWZF7%#%XH\8,7MIX'DP_*+%DK[)WJ/N.FGU'_MERMA_!>Z/O8T#2!OC57-.IPS\?:.TF<,.#!*] D@V@,37W2?R55XRF[*9 M5AUH%TUL;N%;]6@JCDMW*/=6TRXGG,VNE"HZ+L0LM,3F?&&^02Y[9/(*\@N ME+2U@8^RP.)O?$A5#*4DVU*6R4"'+ZT\@30:01(EXP-\Z=!:ZOG2_[0&3!9P M+2V3%5)\A(4Q: U<.AA?(C|X/$<-1.ZO:QC)UQHAKVDB:(!+L,YD6C]S6<$C M*$RV"*]';1G=(0V(&2B5(Q :./$2UAB9KC]>P9(+)W(<0[!)S;%:H(8W]6:;PM%M+S=!1/8B ED4XDX%.?'32S+Y4X4U9]%)Z"">\?I!NF*RX-"]*P>$IV\/PU |R+O#:O6 M7E@K94FF?EG3NXC:!=^J93=&B[!\)-F?P!02P,$% @)C4!6<;/L'Z? M P _0<- !D!X;"]W;W)K&ULE55M;lLV$/XK M!VT88D"+1%&OF6W 2;;N UH$;;=A&/:!ELZ64(KT2*K.]NMWE&PG71)C X+X MR.,]?![]7N9[,3[9%M'!0R^5702M<[NK*+)UB[VPEWJ'BCP;;7KA;&FVD=T9 M%,T8U,LHB>,\ZD6G@N5\W+LSR[D>G.P4WAFP0!\+\]-HL@]HI08NT\@J"?SWB#4GH@HO'G3,X7>D#GI'!|&];1E+2S>:/EK MU[AV$90:-+@1@W3W>O\C'O1D'[_6TH[_83^=S7@)6"=[@_]Q*#OU/0K'@<O M"2@C%)2 X!R2N<6,Z-WH/QIPG-&Z/4,9K(=C.+=\MJYQ0VVXM$5;6HK/SR!&L=T;U >)Z@DA>@#\/MJ M;9VA3/GCI6>8;DE?OL57SY7=B1H7 96'17,9@^4W7[$\ NZ,AO2D(3V'_M^^ MTUF(EPD^?XY5KXWK_L8&ND>?F'RUIFJTCGQZ ZY%V&A)9=V1+5QTBG;T8.F1 M[>P"WAAM";RNAWZ0PH>\IQ9S,V8T&JIGVJ2RM&VWL_ U%''([Y2,BR(L CXC M*T_"/&5PH_N=1_@L&Z5EGK;H86L#'.6P$7"PS1F,^!9F# &'XUH[&U12X.B M(C*0MYELRF!\@9?TTMO05+.#&-PR+--M9I"RD!?E4[553.[,Z\CX>;&<[F-Q^2^UMUACOR:NI,TKYJ/B*N2<>9Y)3A=6 MGBAC25AE";7+LT<*.;WK^E'_9G"^HL243:-ZP >.)1:GY_ 2|0LYMB<^]#=E MEGV65[^A,%.G^9(RI>V@'-RCGT0-;1*Y#56VD,?O1PF2%GZ1D?PPR4<[ARJL M6.G- LJP*G)OEF0FZ6A6!_-CBS3T-HZ0TX(2LWS\^"^5=_2D)5,&,,?!XPN(M2$[=^;1[FFVKJ:4_'I\&XSMAMIVR('%##H?%ED05@IF$S+9S>C0U^K1VEVVBV M-)_1^-/DWVCMC@M_P6GB+_\!4$L#!!0 ("8U 5F*0RUG700 "I) 9 M >&PO=V|R:W-H965T#"3IBFU L.#=+E@_#/M#4R2)"D2I?XOC?[SE*5MW6":;%%/JF[YYIG>,?3 MQ<;Y^] 01?'8&ALNBR;&[FPR'\;A5H9CUY"%F]KY5D8L_7H2.D^RRDZMF93 MZ9M)*[4MEA=Y[!8O+UR*1ENZ[2*DMI5^>TW&;2Z+6;'.^<373>2-R?*BDVOZ M3/&O[M9C-1E1*MV2#=I9X:F^+*YF9]<+ML\&?VO:A+UGP4I6SMWSXK?JLI@R M(3*D(B-(_#W0#1G#0*#Q9< LQI#LN/^\0_^0M4/+2@:Z<>9.5[&Y+$X+45$M MDXF?W.97&O2<,)YR)N1?L>EM%V4A5 K1M8,S&+3:]O_R<9O/LJ<9[SY$WBWWE5)13'(U13&9<Q4<2%Y//|SM0K1HT+^;:2]MAUX8K@=H%!&ZC8(U!WP/H'^.-9K+UODU5:\ -5 X0A.RJ2*\?OKS6Q% MZZSF2+P'8WJ0)LFLB#.T T227$(>-<-3.<@9#ZC|CR?T("L.]S",++5=I162VV)#RJ M"FA<7%XC.RD@&T>9!1>J5H1;UD";WPZU M')>Z#OZ3D\|0X]BMX M!AL.G%VXM"$?]+'->ISO"PR=@;N<35B;)43U -"I5D(N(WR$.E!\V!"G=[| MJ!F*/0V"T_/D#)73\RNE?,(/6*JX@3S]NQ<.#NDTP9G=)4,[5H:KDGQF2!W MQ.'6W*M;MC^4[@TAMR@;C!Q@WB5,1W2;JOP^FR$A0FR)\X4M2LTR7R6+]NY M^\5DLCLK%0MR.$G,6!GL:A\ ;JN1W5=7AZ%PERJ-9.14?^CYNN:H0X0!'D)H= MO7LW?2TP63$WN?*!\^%J&%6^*F'R+5\,!AH'0^8Z/UF(0Q?M9&\HMN37>?0' MD7NRGX C[OAU<=4/U;_F_;?)1^G7&JP-U7"=`K\]*83OQWV_B*[+(W;E(@9V M?FSPA42>#?"^=B[N%AQ@_.9;_@=02P,$% @)C4!68= &ULI5==;]LV/%TKA#9L+Y[M M.A\MNL1 DJ!8!A0(V]U]&/9 25<25XI42^L^^X8HB+M6&W^9-2%TKU^V#5H9NG?!\VTIWN"9M!Y?9BVQ<>*_]O#"'GO1 MR9H^A/B\NW5X6TTHI6K)>&6-<%\1=9E22-\Z?1_2W.7?DDDM/-U9_4F5H+K-7 MF2BIDKT.[^W-9QKR.6.\PFH?_X]LCW;9*+H?;#ML!D1M,]D7WDWU&VX=7Z M*QLVPX9-C#LYBE&^D4%N+YS=\?60..'F&K"4X.9\" Y?%?:%[8UM6Q50 MY2"D*<6-4&9FDRAR%^L CRPW:H8T*X3VN8K,.?B'0 ;+WXR)94/|Z\0V13> M9@SO>O,LX*^]68J3]4)LUIO39_!.IG1/(M()OZ;KG^8KWBA?:.MI]^*/]I*M+|\[\>;P*R+]D>BC4.P%%?"]IJH2I%S M$)UUT7=98SP>_^@?OU\>)RH/-8*+,*EYE]9EHKQI18LSWUHK%_.(NQY(K/*I^ M,IT#U:i@<J2:^)T%=#*@TUCR*<4DZ*1 [*UR)B!"D3H(K)80K-(_VI;H=X,'$ M84*W3%_A 0$X@2/ED;WTGMJ\%)\:A=SG MHQL.'8BI0>K47HJ9*9I9$>.%9CLQDO4\153V#CCT:.'UC:\R 0-@*QU$I:FM+ MOWA: F8,)Z[ZOL$IW;.%%.0#R /AHJI0G<%^210-O=64YA)OU*\[1U 7&1= M/90G612NQY R\I3=X]&.:Q.QDG#,.9JZZK1*\ ]WJ&^45;&&5.0AH(K$?.X0 &'DI/@I2M76BIVM0J3754(UL0L;IY@7.%,3'G% Z8$FYA $=10?F6I9%.[U+]\]YC!GRB M#/0Z"F1L%^(*9))2Y=1(7;$]/LD:AX4/\9R@\|_RILUXES=#J2Z^@XCBVD L& 5?+./6X@[NH*WYY[.QFMW_M(,YUO.4R$=&D=!6<5J>-+|%6Z/|Z;IUOX.+EJ5!"MJ[!UO7QYE@F7;K;I)=@N MWB95&W 2Q,<&_PR08P-\KZP-XPL[F/Z]V/X#4$L#!!0 ("8U5EEW3=8 M)@8 ,8/ 9 >&PO=V|R:W-H965T,+2 6TNR97MI$B"7IA>L1=#L@F'8 RW1%E&9U$B]3O;K]QU2=F0O3;;^M4.+AN=]X>+PQ]K.KI/1TNZZU.QE4WC='HY$K*KD6[J5IL,)TMBU\-C:U<@U M5HHR$*WK498DT]%:*#TX/0ZP:WMZ;%I?*RVO+,EVO1;V[ES69G,R2 =;P">U MJCP#1J'C5C)&^E_:XM=],=EU*M7;*:+)R>3(X2X_)XP?$'Y5-7 MW"9 ~Z'!.DZ\09!U!O5.@H*6E*+TV-K-F09&ISX]C@,?&X;>,>=M"X=f=SSRX,T8HZ+C24*G3PLE"OJR#6BD"<#E(R3]HL4AHC >=$C4M ME1; QY^"T,*365)1":U"/)0.R%]$W4J&0XIV(A1VC.9%"U" &9BFU09V ?K\1=V$3/,3"71#A*"$'%!.BYR2"L\TT%B?9>9+[!:N[X, N'>ZA MQ5VPY2#V2Z%L+P$ $6#>E7"MQ (N# Y,2+8B1*(,"D'P88!8./LWIF6P2;AP MR+2J5P4P/Q+A BE,JT/B>-Q GL W4Z(29535U+CL&!'7H/-0L$N%@\@_"Z;9 MU@'#/3\B]#RYZWET"2>0%]+2. V0,5UL(_?1<%11*;_<7.YO+GL>Q@'V?0.W MG:Y7YD=T X4H$&6ZA-["TB09SI*$OF=5DDE*XQ_O]^EX2JJ:.RC+A@F V7B8 MSV9,PKO)9#A.,KJHT&'@]4]2(V,6BM(DGJ?CX2Q-*8^[V3#)B\0/%;W=ZEIVFD*1?-DMV/$G&XV MRCFZ0NLI"/K-Z3A4Q?D& MHH4T>3C7'T^D#6(K7)=W_\ZK,RZ4O=3XJ;N7NSWH>6RB=,7B?PWB'P#=A&'Q MJ55],UC?D*ZO]TKY 6=<6]D(5?(OQ/#8=2(@#)]JN]?EMY_B>\AF6-$!Q|O>V ME3TB!F>|\)M-0X__U_'KE2^72QE'GU!RI_^C+AN^?C;< M3T]H$5Y&Q"=ZPD^FB/(!O]K1WX5J\Q3QHMU;ZK'37&[#5B/!O16,T/V8"+L M'7U#T;\)(\6S.$\|[Z>!TKNJQDO5=N/.U>&LPS-)I'^.&,QG4U[S'[%.QRG6 M9],T>_]03#[IQ:W6TJ[""]+%8HK/K!UT]T@]BV^S>_3XPOT@[(K-J.42I,G+M63Z(Y;K=>-.$E]K">+S[PF^%AI:TC(#SI<&PW&U8P.I[?OH/4$L#!!0 (-M_"8U 5E-%BQ?-P8 ,8/ 9 >&PO=V|R:W-H965TX]DV5,I#Z,DW,))6MS/BFM;4YG,Y.5O&)FMJAI>X\A;Z8!9I.IB9AK-6>X657(6^GXRJYBHO]=GIMN-OCA3K96BYC<,3%M5 M3. ^NN%3:\TDP&3!6,+ \&?#KIF49 AA_-W:G(Q:.MTL++#]E#]C2_=+?5DQPZ^5?"]R6YY]7=GD?,U::6_5]B?>^Q.3O4Q)X_[#MIL; M+2.0M<:JJE^,""I1=[_LON?A8$'J?V%!V"\(':>YN(X?R!V;9Q9E66] T&ZU1 MP[GJ5B,X45-0[]S&48'KJ,4MW_"ZY7#+,U74@1@ZFUDT3,.SK#=RU1D)OV D M@7>]MJ6!UW7.\^/U,P0TH@H'5%?AHP9_;NLI$'T/0C^,'K$W'!V<.WOS)[Q< M:U?!-6+5F W(M"WAVG',-?QYN3+N^U\/$=#9CQZV3\HY-0W+^/Ds!6&XWO)-MQ;??!(G__2(/HHO%!])CU'Y\H7QN!WTJD1$D4IJ@+!L&PE>;|.\9$;R(5A1:%Y MP2S/48&= 5%WI8 .K'90<%5HU10BX95P4DDAL;!48OFLYI>[PQDJD7B=Z#6 MD*M*9)\>R%HFFH-JW/S\A01:AZ]P?&[I$ M$*)C!DX@C;T@^.D1>N%R@8T@2<=6Z"V# %ZW&@L?Q LOB .($RI-2!M,01!XBW\$'Y$ARVFSG4I:@9QY$6!#XO0F^.2%'OQ$I?$KOLKD]'AT@@&4>C% MR1+F(@>?[$;0!++PU3B%,O61"F<++Y$**Y%$P-J1;'O^>F26M'<2^.)?Q*YX;/=_M-5\S$'<6MV ZAT:KO,VL >P#;49DG,*#YXF?Q@8QEYRRC"UCQ-O2A-72OV M%N$"+IM&8CS)F5>FX9E88P8.V09&R9;&#,[W(B0L6B#I*22!E_@!A77I+Y_-M]K4R"-_]>-/*M9 2V+Z(C&/K<2P;QE 02'HF6V(+ *9[<:-XPD0. QI/5\YU MY5(C:[7F-:XQAELS@5X_N _Z(G(7R\TJ69QUN'/'-UE%8D*AQ# 21'X\P"Q M^[X;.PGF7!C?=^0(ZC0G-^X!FO5K@[9J_+CX=I073262EW4[C.G&P-U0TN-M-I1HWMJP2?6CT$U< 6JTSI6$4;2I/2S!)-0D.-C'\C1=6G/)/BH]MNPV3+ITXQUZJ6+T#-MNJQ8_"/^@%&*'"VLH&\6!.7D\!1/9!HG@L1+4J'G9KIWN@L,A=X(-(%DMW7O MUJ"S ,V@P&]+7N^%Z;.ALORQ2Q26:QPB-$-&2.-NZF)^S.#=%D,U0N;/ 04*B_!^K7IQ5P%LGG<^$@N4A M3N?PML;]&>V*;C\%+& EOM?"\E=]O4;94,XZ#C\U06 XXTG+3+9(U5 M(BM9?2 YF-/0M='(\B.O3]:(F?0^ S _ZUN.1F',8X1*B8/$R-/JW5++W %ZW&@L?Q LOB .($RI-2!M7FZ2W^Q&'P[4&82P6BZ;;SH&YT7$TV*-/3CR(@R\\31H2':H5NFJ?BX0O->7[JX:E6B#]U[IE:5$PO.[PYSA748-)WDO MQ.MOJ.>:\.ZQPTZDG6YE[^.&AQT JS%MA%#]W1[T2WD}@78&@H*I6[PL%&L:* M6K(-Y0/*6!1XL^F0.WQY]JE].3&S<<.>K_C3'?*U9SJ*R7>_PZAPD@=0_"(-M"LI521<<.9#![VV7IUN&Z553}?-MF]S?;3NQ?N.Z8+.G0D7^-2?[OZ"[5V/7L:IQ+[65LBA#URSQ MH&ULQ5I9<]M&$OXK4XR3E:I@"/?A M0U6RX5Z58E5UCIVV-[^(3$D)P8Q] 0S?SZ[>X9@"]2CZD58-$'#?3QW1_ M?0Q>;)3^4"^%:-BG55G5+R?+IED_N[BH9TNQXK6KUJ*"-W.E5[R!6[VXJ-=: M\((FK3R!3V[UI;EQ)[T#]I) MQ;++!!Q>7+]9\(6Y$!WY]K>'NHE^ED"M1U5)53(OYR\F5_^Q5A.-IP.]2,.K! M-4-)IDI]P)M?BI<3#QD2I9@UN *'GUOQ6I0E+@1L?++1K3GJ2.%XW:W^$\D. MLDQY+5ZK\@]9-,N?DVS""C'G;=F\4YM_"BM/C.O-5%G3?[8Q8Z-PPF9MW:B5MG0P2IC77-XT:O:AZ2N0fV"OU0KVNN:DKC>?\%]N&B "HZ]F-OT5?5 M@Q,K)NQ7537+FKVI"E'LS\|-]GH6@X[%5\&=" ZKK5P6>@<\0""ZB!VP%SD.HM <)3(B^Y%E;D:[X%"VO8E=.\6@BZ_L_5M&XTF,M_QX0W:T?C:Z,+/:O7?"9> M3L!':J%OQ>3RA^_\Q'M^!^=1SWETU^I?M5EWKDC.[WUD& U@UR6O:O;OI:!! MO-K^\%T6^.GSFM6TP)06X!NNBYIU2]Z $]?@++$Q6;#9<5MAE9P\O6Z8FIL5 MF%KC^]K!B8V6LP.6,V_:2C8U.YN\NWE?3\X=QJN"K84FD*IFXO2$.S/#9;I4M[%>^19L*`>|.L!K-8JG*0N@:66AV@C&^7FMU"XN9AXM*?((?O5;;2("K6*V\-M7!NT 89^ 4X]!!U2%3O#R:BCP'M.$_ IW?O@2%49A8A5DAQU9JARIA9U/5M+$&3'06D5ZGZ<>6EW(N@54[$!I1C9](,8B8-PQK!"A2+VC#:(\6X[/\:-8IE MCN]YCN=Y1BM$'I9L!3/-8F=U._T3@!4"\=A9%%+QG.* H-FUL6O;&19(@LK7H@!E=&M]GSVLZB$ MAJ7WMMRLS4%0T$6!I@\"HR%R9'U_]V&-X>Z;+3A-,;W/N#Z;;G1@=7]\AKKP MUO>[(>\OT1(V$2;+&=+3O.0 "<,Q<2^'/8#.>5)3J--B:ZD8!`M#?I@9;1H#!=XK-AT"X@E] R&G.^]]S77>@LPH1F%F'JGY2N2 @*9Z .9TS'0 MPLB>!6X!;^9]F7?0\CC R1WZ2QLMF2ABANR4|/5YAQ8O!9V>R%HFFH-JW/S\ED0NG' ?NK<#7T.(K!4."#,TW,6)VZ8CQ#*3$Y1R/=5N!SE MKI^RQ/4]NEC)\|O\CB9I6///01F1'YIEPX3%;H;\A:$31@&|A]#$BT+2QEG+ZZATJ&.Q0%OF?%RUI8$;E-*<,HM:1[\ MIF[DBE[L$ J0 NS#BG#(C+T$\))D)B>D2!J4NZSM(87KWK'M+)G>Q

*MMHS>=6C9|9AILPT0>>(IL9\0DN#$)X&3A"G>4NJ{T@,[Y=;@ZI>3 _\.K/D3 MM<3QC{W]'C2PS.R9W*C4!2.J%-P;0\$]!%@RE=4DH#-LR-(X'T%+@>%$XU)*7 M!H^GI<")@L&>A$Z6AV-*(D3D4ALT'LEU.V `\Q9\UN,<%2P&\3%KV)EMV\>T M'=!N.KB#X*CY E$"4-<0> 8L]$++.NI7==')V#_,UN2?N';_>R?K#TSF& ?*@ MR(W9]RRD_X!"=)W#_S>=BQ8 [@5HE&VE* OFN4D*KSTW3N@GCP-U!PM50$;);*)D\TWE9U]*9+-N$95=@4D7&@Q3FSX^-Y)=2!+LU9K M7.S@%9'-QI2]PF+HK\X8"}KZ6868000ERY&9]T'VE(%.D$ B1:M8H;0H8FF|6 MW\6T=HE9]J#@O(&=W3?4# Q\OO(X>A*GZB.PM0.@M(@PUF? MD]!0KG+_7I#0<@45W#YC! ^.%X.8=((JD7,/K'!/WMY4(-&CL-&GN2"J6DE@-M#.@VJ,Z5*D2Y>P^, >=(V9229E>@\E\LA!Y$&".L7 F#-D=@0-OSE-*ZST*B MHM6=57TE'"-B/?$S-TIL#(D@>1C#X;\B-81BHA1XKI=;2]F,)6,8; (XY!% ML);SDTH0?7[WC2&),.OS:"\B1?GC1"2C!L]-%PU;1^1=4,O^HJ='T4+7+ ME?7:WU27B)X]5GQ(03 ECR-,^[MB)IL=[4CW<&O*@SX2UE^,B23$ T-A\'E0:NT1M^:OH# , MW#@TE*)D']U,&/#7?H"%D+7)#M%&GL%WRK_F*!!MW.-,N.IWTQRIXL&2,TF1,2=>#HYY30>KZ*Z+4]=\3IE**40&& MC"\Y&Q3&%]+@+491.:\|_fW]$P=3CHGE@51ABI .#D4AUW86J05&U*ZSQB%=@ M0[E4>)K3FL:U3<_!8;MBW(8B->73OC3!4[|ZONV6PH"'(0YWW,8\< #-3-,,X M)]>6NNUN40O?A)\)L#8V$QN8OG[0FZA:>#7Q\$Z'3R/R;LH(\4*RAD4."*

MMHU^UUGOX'R7X;%X@Z>+-?7C!92%:BNP^[CN+ #!V7[W@NMVG7|#)*4_F@7 MN>]2F3=OG9%7D+-@Z #7YN8XWFB;5^8T9'\P+TM[2M*Q8I.9CF';*RA-@Q/Y MWNMOF@!49L35O:^IW,L6`D++N#!1{AOV_D*8EZ6G[X%@+NMZ#;*<,V MEQ#%KG8>;z+CGEQ]MFN"Y*_TP2!0[-,*'"@AE5"?X_ M/$GBV#;!E@_U@D?BUH/$QQ91R&R/@^?G95OL>C9]5_[@7-PQP0ER MP#Y#V"PEI(S<|ZY/,1+W;%/7@1]GUC:(X-;IN6G.AH1V-JK@[\NM$!"GP M# #S@:FHQ%PV0R{&8O+I,-9U)@(G3_8+|^#>]/\Y8;(KQ*'"3?::P^E8*_KO M5Y$-AY?F\#_;16CKL3N>/'X3 ?#ZEHU-!L>B M/G!UE("XHUF2K2!-CG2O}B'Q!- +T"'4?;!3;>O4U^)@]0&A&_Q.P23TP.Q; MF6/KD#,*<'4R*_)\DK4IH5*#>AK-[,Y JWDFAZ-Z [=L6S6Y!4F!GR3 Y M'#R(NG'^()M/.ZSID=S7[M[P+CN95%E@8686&@U2VZ'-XNQEP\"OPK:VI,U M>$^66[_]YE,U2W)/B"25SB,@_VSHCJ3T0$SCVQXS.9KTBJ?K _K/P7?V98F6 M[K3\352NF257"52TPEZZ!fW]2'M_+CQ>J:4-W[*-LL5% F5OG6[WRLR@%2K^ MXM,^*#B<*5_DK"L5>H0B\HZ' \CTZG$^-WH+QTHSF%\'5H,WDA/))>72&;P7K MN?FCT^4:'JCK3=FP=W!O=&VPG6:.T;U,5NZ1%A&I> 5I E^TP? OPK1=N!{_?+)ES?.Y,9V6-(LX1:P9*:#S'X,CC)?W]#X/A(&.X9;2Q@[QIMQ)!4!5GS#.ABWU_D M>9K'C]^QPVBO?#Z\6.V%_%Y(L8/O=R%]-;A# (< ;H*QI>C?[(RO$ZO+J__M15%THD251EC/QHRAV'D@=8?_1UE +^T)ZEY5>.9T#E*?AW%##9H!'$GL=$5AD+Q&2QE[T520'.1)=GA *SJ?<($ M\RA#>"HA^Y#KE=$M4-M)O2.*M0*XY3)DE;CCM)>41K; &Q02ET)R'Z+Y=.:.S."]AS4%8TUEY.1OAS]N5R1K=UPWXR<<;9LVS\;B1^J7M-M43F/|]!+@F&^O'@W!'Y40HPZSA*+ <;?&LMV@(ID#1;5V@M>5EU06PUBR@Y<> MCNSD06]U&%L>9:I)^-M' C/XG&L&ULI5C;T=3J99.*T>>CT 2.(A%0D(]-!H67_?LP!}5I7I5 M)^F++8+8LV>O6/!X;>P75PCAV6VIM#OI%=ZO7@Z'+BM$R=W K(3&FX6Q)?=X MM,NA6UG!\R!4JF$R&DV')9>Z=WH26U>&^9]\J2V\VY4&9]TAOW MFH4/'J_X4EP+_.^?JO<73L$?)92FTDT8S*Q8GO;/QR_,)(0\;]DB M[3J_&5DR-^8+/5SE)(T1$1)*9)X0./[=B NA% &!QK\U9J]528+=WPWZK\%V MV#+G3EP8I4GFOCCI?98+A:\4OZ#6?\N:GL. ""\SRH6_;!WWIFF/997SIJR% MP:"4.O{GM{4?.@*'HP<$DEH@";RCHL#RDGM^>FS-FEG:#33Z$4P-TB G-07E MVEN\E9#SIUNY0N4\955K"_S^;.6R3$ M/[M,CHB3W#A0AD"_=BF?B\{B-[S^-IZ-7C_"=M'PGCZ$,&8V#D? M"\$N3+GB>O.+8V*Q$*$ F("K;ECX_0YXSIGXV\G/M#!7.(/(1\8878+RFP MX9V3M_732EAIA=[T+6, M%3 '10A'Y$QZA]+X3)I@X^>*2I?+4/R.81NI_U-+CYW7'@YP?79EA0*+/KLH-MI.9]H8#-)+_ PZ#'Q9|KZ?%ZE_Q;|AS/BLH)C|88B#F\JKRQFZVC)?R<#, . M@+0:D_A<*TXG@VEX{C!(QF&E)I*1P1:ZO8E,!M<#MA"YL%QUE&;&KDS0VJHW M"X(*[)R@0*!3Z>WK7"(UK- 9<@9^1CDS:9IOW1:!0P M=PB(6YQI\,56(.E/DR2(_,\[^&;-Z='18OZ_MBGMCX\.IE!T',7>L$'$HM#9L,.4F>JHN6]\0NPHVIL2+ZG3" M>LRU=, (&WHOI-%I1O.-ET>]V)RN-7P1;.:.7H__W28C&>O?+.,#.I?#&>_] MC_.7P:3^L+3&N6VF$SLPX,I+VD=G_;.4J754-T9'S.!U+JRL"YD5Q+A_F.3 MDV2F8+1<2&]_C@PV>C^KX!'MF9)\+!7TFZ-2_DRGLX<$-50LX#WR[0Z?#MC5 M(]3 ?? MIR\HX&8_R-2S$)<)1:"#?I'XX D6P2\E2>AYW=Q*W"><6"E&2X- G MA- 6ZEQ;FTKEZ,%-,N;!N*WKV_!V-N95UAZ=<'3;P0/Z1B7,.4 CS*UHX?<%3OL@'3E)>9 M7(4G:<6\VM4I52*V][7S!E?H6(O["%S,8:"3-[$X)U=8M&/(*)*MJB ,@CVZ^%P47"FAE\ ~Q~RL(=F%-&:A?RJ6D .,F:V+|1?X; M%@HP>~<5^BQS.M)? [Y]3D7J/9T/ZW)A>*?:@4L/?>!}>QCVOS@OP'6S-1-C&* M,U0U=^+?"L:CW4OG*BJL/)>UEU%=Y!AN8R.A.1E-%[4P:RXKF7-,I=14K%QL MR X'=]+\R\/UP#'7\RT#+$]T!NY8D=&\9]P9 SH?0.8DCBRC+MLD3MFC6^.#-*GS=P.W#FS+|+ 3'.MM8@VX/W"&-\\D(+V<|?I;U!+ P04 " F-0%9NMD"3I<# !0"@ &0 M 'AL+W=O/!$QS M<9#J7I>(!AJK2NBE5QK37 >!SDJLF1)!>6=%+5S)"HH%N%++<&=55$(=A M&M2,"V^U<[:L5K(UE1,:*WE8>!%WVKCC^]+8C6"U:-@>MV@^ M-1M%4C"@Y+Q&H;D4H+!8>C?1]7IL]9W""QP/^FP--I*=E/=6^"5?>J$EA!5F MQB(P>CS@!ZP]"T0TOO28WN#2&IZO3^@_N=@IEAW3^$%6GWENRJ4W\R#'@K65 MN9.'G|&/9V+Q,EE!P^'3C<)/:-T!Q6\ I?!1"E-JN!4YYL_M-R(U;(M/S-;Q1,D;>+=,"2[V&C:HNBCA5YN=-HHNQE^OQ=O!C5^'LR_+M6Y8 MADN/W@:-Z@&]U;?? 1&GXPP6RXX'L^!+/Z/RG+NX!@<9]ONIV#TAYR5B5M16C M8V :"EG1JZOA.RI E+++53.3Z^VOXO52(5_59U6'+'YIO4!%Q*"))U1%B)R27 MCM9,\XRH? $4QDS6!GYA2A|&&J%!-(9I&_B2=T3/VQ_'(0UPD56M MM7"?\^GJVIIY_7FZ!3E?6:#UU280=9JS5EA4>.T@F#+|Z&8W@#JD_\,R^"""[+- MT IN;)D.IUQUAVCG__':) /3Z'|>D]\D;.ZVG_I6A8__PA?--_ /LM.\E!-[MG6=$;6*>17+I4HQ>^X0$9U_Y&M7>S3*:,EHK3/?!'W:'<>FFFQ*>U+M9ZR-3 M>T[!IL*"3,/1=.*[ZN:73C"R<3/#3AJ:0- RRI}$/E56@\T}*&PO=V]R:W-H965TSJGSC;9XS> Z M8Q3O5MC0=I%,DH>-&[VI?=A(E_-6;? 6_9?VFF65[E%*;= Z3188[T5R,3E;-MS8)|-/A'X]8=S"%DLB;Z$197Y2+) B%LL/ !0M%_W6!!=\BJWZ%B.O!:,\Y3+_#!*"T&J%/E3\#=0R? MR/K;P1^VQ/*Q?RJ7I!MSR!VZK_$7 OSH[AFDV@C<5+9R_@3?>Y3B/>]!+U1%B)R27 MCM9,\XRH? QHF'Y(E_#MXNU\RR7Y?M3"O0!9D\'" _HS+6JP$4B M+!0AWV&R?/-JPGJOY7[?T+!9PLB.\))5#T?@:\1+LFTRNF>MO#K>R?G#EK6X05#(?4.4LF%M%TEDXZ1 >];9(VVP! (45 %5>=!>_!HE@FLK M\I=DT6DUDAR?U M(PGEQO"^XP 1V/J;$=^9=GR%$UC'D+F=3XZRK)1EF4@+5&DH *Q=,$/I;^4O98'X&^=,'4=*Q$$"L7" MEX,&$3\T)@F@8-TYJ9$+MAZ9NS8>%W29@GQ_U|K(C8(HT,=Y))9'6I2#<]*A^Y\&D MU%MRK4"^9#:X(E9ZOH69]8T=*7V>3+O)"U1%B)R27 MCM9,\XRH? {O^L[UR[SO_Y\4;T0H:+ 2UVO\N&*>U_(:0@X&<5T3^81$"I'|LRW\!4$L#!!0 ("8U-5D8Y[95 MOP, $$(9 >&PO=V]R:W-H965TM&M619>:UM(S DW; &*!DW;81CV@9+.%E>*5$DJ3O[|'E**FVY9T.Z+ MQ2/OGKM[CG?T[KME':KI/6^/\TR5[?<"3N['IIJ^DYBM+,N@Z8>_.69G=*IDG]QOOY+,U M82- ,:+WNQY6OV'_HK"RG;HS2R8^VDT61YLTK.YJ?G9=^"/"A\E[HR-85,*F_^ M!>`79I7D(2!67/N (/"YX0M6*@ AC,\39K)W&0P?kN_1?XZY(Y=*.,+XPZC?9 M^:,5'"? 4\$8.RK\SNU]XRN<@X-5&N?A+NTDW3Z@>G#*?=9(P(.JG'K[B=>/@6 M@V(R*&+OH)]UP\[5]AI#V<17W<9T73P)>M#GI&BSRE(B_*)_ 6^5P7$6_Q'7FF=.8<[OU9_7F03HY;0C=T::3V|)&U'RS3 M6/UPA?XX]YRWN$A_/L;0&$#¥> "AN4Y=+VI>)>@>Q_;&D_6/|\P/\U=/I%?N MTRN? 0O_V.OX/&'JKZ6WM3<66Y\>Q(HN4?,M!JQ?Z#I'% BTW))2*!^A^Y\&D MU%MRK4"^9#:X(E9ZOH69]8T=*7V>3+O)"U1%B)R27 MCM9,\XRH? UGCK(93HU$;%]NQ(:GI4B".E#"C4#_"&=O>2L=T(!3 24P?:?"JS*F22@7' MT01UH-\9EI&PA]=;B5*SNJ-GQ5&.?AD\MU%RK4"^9#:X(E9ZOH69]8T=*7V>3+O)"U1%B)R27 MCM9,\XRH? /^W=2OTE@DY\HS>!SWAVI<;RYQB9%0^+O\=YTXX$LU?Z'IXJ.ZBU9[< MT9*$P_P,4KBH&]1(Q;D7@JA%+SUD,"AT#S(/A0[M#E4SM0@^@T%H"?>@I"'CI !M:!!@3OX? <%]FBZ/#M"@/TCS/Z?FSXN0PG2^. MH_2=9.$, :?7RKK|@EX41VDY+,.?H'^F\C-*+2%@O9+P#D:S'/(4,1K!Y>9P> M+^83TLG)/U&:P0:&-[.5.AE%X8:|6R1-5 NC#9Z(RR" TB<3!0J-I6A'W"" M?'%C9S\5GX MHCX^KHAZ*|'*BC ('P% 9 >&PO=V]R:W-H M965TE;\ 8;K=-"2KV)O'8,Y__N:Z:HKBCE+Q&:,B2H'$Q MC6;]B_G0Y?N$GQS79F\,KI- (3H<#".@*CUPJO4 @'(AG/6V:4 M:>D*]\<[^F?:_62.X-72OSBI:VFT5D$)2Y8*^R#6G_!;3\CORN4,/X)ZY"- MGD=0M.;J>EM,"FHNPYN],.JAK^ L>:<@W1;D7G? 8R*N\9I9E$ZW6H%TVT=S MM^JK21R7[J,\6DVKG.IL]MCF!H;E!@N5O0TD|@2UBW&Q10@#XCT'<0IW"EI M*P.WLL3RW_J8Y'2:7FR>?H0>-O*\@R2$TB3='B - ^AZ"C>X*,!PN]9;JRF M/^+/6^T&VO!MFG/)A6E8@=.(;&!0KS#*CH_Z!GE :W#3NOP$/UCW^:_ $=\D MW+9B X-^.-(3L!7"E:H;)C?'1V=I? WQI8*Z8+D$MX)IKLHS2AO[N0C")-)3 H MF*F@Y"M>HO19GY)>,AY!@^3PBI)Z\)V@708WT+ -RP4">6_6+NE7AOO\" "K M@ D1"BLE2]3-B$G[*M+ ?. T%D(9=$'>&NK2F#U8?Q1@O;=./=YS1(UZZ7UO MH%*MM,$C@]1!8U7A_YX#;H+-WL%4$L#!!0 ("8U-5D]W@BX@P(+@' 9 M >&PO=V]R:W-H965T2.WQ(0Y M26QJ2Y'$O%:4,%@*),NRQ.)^!1OIXI0[R?9%THXW"3N,)KN)U?2V%MMR. M)2XZEQLL8<[H+Y*K8NJ,'93#"M=47?+M%VCS M&1]^C%/GGQ Z'#LIJ[7C9@O4)2L*/[YKZ[\)\)"'"T@> R{G@"$+2|\ MKD+4]+G*@Q;@$W=;7*WA4NQPDDL^!8)$ZW9S,)6WZ)UO0@S[^1*";U+-$XE M2WR/-A(M0=@WQS) *9$9Y; (6@#ZBZZL4O3MYCTX08>A'P6N)62YC5VEMP^!F MKT G1!6>]D&C!^Y!7T779#%_73F=XVD17. M8.KHYB5!;,!)WK[Q1|[GOD]_)EGZFF2+5R)[<"=1=R?1,?;DNQX2A&6\ [+V M!CNR6#,+-DDX"OP@=C?|E3Y,&IY&I!#]/0P*AH'X:.HQ6'4./3&G[JH)DEW MKQ65(-9V!D84\9]HYCUVWFI,G-GN~L@_\R=SO\>?ZK'43)&_],U,N\!B39A$ M%%9:RAN<*7;JET6>K2", %Z?\6YVAE&H!O6R1102P.$ M% @ >)C4!62AN>J\T P RPL !D !X;"]W;W)K6UL999:QHQ$,>_RF@K]8ED#XXI'TW-D1?U2:48XC";HJ2R)? M+I")O2"(@]7 '2VFV@Z$:7|&"KQ'_6.VDJ87-BHY+9$K*CA(G R"87Q^$?>M @5OQ2'&A-MI@71D+\60|-_D@B"P1,LRTE2#F;XZ7R)A5,AQ_E])!LZF0 \P$4^X7%LNU40!9L;0H ME\;&H*2_B?/RX/8,.C&.PR2I4'BN.N-',45T23M2[$;5<;-=MPKCIK T>Y M_2KW6H9;NOT>F/.-T<)#Y+DE!!ZJN";YYB_M@\|-68.7K/ N$J_@MXH? 0SMJ01(E'5!3(E%Y9-N-UVTGV]XA MN\W;%HQ?X(;G=$[SBK!MSM>BG>VB-G[.U8QD. A,@"B4=?(?M$)80H]<-T&KNO5V07V@-+< M6;*#S:.^YCZW7L/4./C@_GU|W'|])PW?BU;DDDL$7E$K#KULLQRA_;X/QBAQX M]TX;Q-/W")?3=T ^:Y#/_%^=E+B-R6^U_A8>A#A:OZV15^Z!:K;58H_=|3-F ME96]?:I? XVZD@OB@*/8\+WL4 MM:Q\(1{G:I3$*^00K,.FR6T_4;^1R2.0W4:\0&M$TCL?>PW;DH+W+EMB9:6-M7{H- #W6F1/<$_,LE6(PU_XS\#W@QP81O$Z[<2=|XC[V)MX#J5>YZ/8GSR& M12&Q,'<%AG-*&1GOB.-I>M4; $[3^->.TKZX7QS^W"COBI1%JZ*5)")BNNZ MU&I&FTIU6- =GZ^5UF7M+9$&Y H838QH=GYBJ95TYUATM9JY;&PMM:C_7G)IJ M&Z5=8.8G0NA5QVI0U, I/U!+ P04 " F-0%9^/^+!1,% .#0 &0 M 'AL+W=OI M;PNPDQ9- @11&%#DY&N3H"\V+S-GSIRV<'6V ML>ZCKXB"N&EI[\^S*HJV=#KU>46-] >V)8.WA76-#+AUV=2WCJ2*3DT]G<|F M+Z:.U"99;GL5G5VVY9KM0:7T3-OBN:.;7E)M-^? 9838\>*?+*O"#Z?*LE26M M*%RW5PYWTQ%%Z8:,U]8(1\5Y=G%X>KE@^VCPIZ:-W]L6G,G:VH]\\T:=9S,F M1#7E@1$D_GVF5U37# 0:GWK,; S)COO7 _JO,7? DLI:>7MGZ@U:A.L]>9D)1 M(;LZO+:,.WZC/YYCQFP\O9(P]S MWF$>>:,= D>5K&>3RS-F-<&P--+Z(J49OD-,&B[(*#F\U,,)RE8HA,'"6NC2Z MT+DT05SDN>U,T*845[;6N28OG@U7S|^F :$98)KW82Y3F/DC85Z(M]:$RHM? MC")UVW*RB/O^<#[I5/?RIS.,PR+),>9LN7WWQV^F/W\!-O%R';Q%/KR#W3[ME;,&E'/"B 3_$,.OQ=BO^B{HZ137ERW2@82SRY6U\|9[:,?9S]-1/,&Y+8A M\5]><&N\MZW.Q6[!!D4R\KTA(6*EDJ8T(ME0:)U;60;5MOV5?GMH9)!2$?8(M_,-5L; ;>B'U&!W?1'7WJ-%S; M;HWJBG7G(8?W>^!6[,0.^"WE/ DB1^;E=?P^TB/MA&,U',76Y+K6,NT6HP0G MK16"]7YH:SAD[8FF^!JYP6!=;"F3ZGAY2O%ITXR&2Q2)6$E\17 '0TRJ%@T00&YCQ?6=R.M[0\>XAF)=H-%K&@BQS54NS$!^,*AV'0KZB,!-J1:UUTZ2=__O*AR4]FHH TZH*QY3$<"/A&8[+9(/TV*HR3#P>C6 MX&H^.N36*6A)"7_,>2+N*?)- FV?8'9K#<56;6*<[G6@-\8 TF$GL#!E%Y*$8 M6 .ET(%-H+ 7G4|SS4V15YH*@<,|,U!+OKL4A@(^PVZUT.7F-KZ/8P'C=OKS%0,>_)6*S_53_?&O(GP+8DW7!^5$D.=1F* @W@S9?A_3(MNJ"GMH6C<']??.#D55H3TF%8I++M_JXX^<*=&ULC57;MLX$/V5@;HH&L ;MW7Q)7=M G+9HBP;-)FGJL- @'2AI91"A2)2F[Z===W2"FR=^%Z^R)QR)G#G/&^6 :1(X0" M<^L0&/VV>(5".""B\;W'#(8M7>#A^ G]K==.6C)F\$|)K[RPU3*X"'*# DK7" MWJK=.^SU3!Q>KH3Q7|AUOM-9 'EKK*K[8&)0<[G]V?<^#P(4[A6TE8&WL@"BW_'A\1NM)@\45PG MP$_M/(0X^.0 MJN;,3<-R7-9T-0S[+0:KY\-Q0'A\"GUU:052D3!9P$?,,BZXY42X M/Z[*F(4#3: {4X1;S5FLN-[!FAIMCBDfN>5S1?850^D$7V2%;5R'];>8_B)!U MRUPRF7,F@.U9BP/6&K+&V"C*$^D!$Z41L]R+T(^)S(@@15 E4#CB4 [S@ MDO95K.%]S-D<_FJ5);0;S7/:C!;O^$;RDN=,6OA$##5\EBI$@CS|!|)I7;E_ MQ"T*2,^@2 ,<%3$^TDW3#]09N:32:+N;\0=,+E+Z/G|VD<3)]X/1E=*-TLPB M9(K8#/-I/!VEXV2P[!47_0B2N. [=OI-1=,R+4B?V7@EAO1P/J?!9\:R!U)M-M7,*Z-#^MQY-1&NW=KU!,2^\MJA?=.8D4&VV%Y-II&]6#=]2UJ:ROFAN/WKBTY$]HFN=08;%Q0:%W3!= 1_XV!<,FLV%X4,3$Y> ()_OL'+M6X4$;K%%O M?+,W!-1*VW7$879X3RZ[-KOW[QZC:Z8W=.@@L*30Z'PV'4!W#;XSK&I\4|V4 M11;MAQ6]B;B= ZV7BLZV-]P&PRN[^@E02P,$% @)C4!6=/, ^W2.!P M8A< !D !X,"IW;W)K&ULU5AM;QLW$OXKA&JD M$D!%2W+)Y3JV -<=)3S*LO+R\'2N?7Y9%+.EF.5E"_MVN3P96&+ M5>*@6]O/RG5ADKD76F43'@1JLDK22'!UX<<^%% <7=N.R-#'IM M,OMX.6"#9N!C>KIT.#"YNE@G'>-6N)_7'PHH35HM|W1E\C*U.2G.XG)PSRTR;HR=3:3IC?ZGXY"-@DYF90PT?)_'LP-R:+4!&8\7NM<[N MB8+==J/[.^\ [^#)-2G-CLU_3N5M>#O2 S,TBV63NHWW\EZG]D:AO9K/2_Y+' M:FXD!V2V*9U=U<)@P2K-J__)YWH?.@(Z."' ,P'N[.X6\E:.^25QR=5'81U+@ M;-"&#> ^]EP;CTAR#\5^$/F_PE$0$E/.!ACS[1;H'P^D3/%GA_]W>[. ,=Z6KH"@//;,;%Q MK9A,Y^4ZF9G+ 61++;8H',[AZ\0U3P.L>F/\6YK|/^]6-7:UM[HVT" .*%03SF M1.\RQYVH5IOA:F9_M;0#F9F%U"V=F:.);FG(PF; 6E^3X9I#B-V4X),.3HG M$%+3AI2\,3.SFIJ"".9'1.7:&6$AHS+0V-*"\I"3.R"B';$0fX4Y2PD/ Pl%P'$5DI)N8ZQ!9O+HXCT) (QL M$T;V)LQM=>@@#*X?DC1#-AO#F3;^A4 -ER2[JH=\GR=T.WATN5Q\Z1^P99@. MF.-)_NO#&[TJ2;)C5XEV=372|LH#X/R \[P|EO7O=TE.D% ^2 M;&.)CP? %2*H!MEQB !FIG9 CY%JN1_UKA^#1^0\B"1G*H@U$-Z0.P2X#K M4++)1C>MC>-XFYQ#E50COX.?0>MA *D5$(D&&(8TY'[7(WD>TH$+QK?Y(Q:,& MYJ=\8P%HBCLR JRJ0'_$>BZW,R5L R; &1%:T2C&W04;86,UA;()-U9$FBK(MFW*,(=D^K>"AFO*]D$#U!S"C3/D!Y "H*V!0T@K6+ (]O*.D'#^"+C]6*'M:; \P*0,% 2":A6- 3M)T]HG6P#.RPH48!'G?<2G6N)3O<171?/G'#S.?)|-A#XX@=?J9-L8E M8*_X"F;L7_LK,'WOS=ULSMN<_@'V">Y/NJB"\! 'W@" .AT;]O(MAT88;@<3Z0=2.0P$% @>)C4! M60$<3.*_@ <04 !D !X;"]W;W)K&ULA51M M;YLP$/XK)S9-K40+X27)L@2I:5>MDRI5[;9^F/;!@0.L&IO9IK3_?K9)6":.E MV1=\=[Y[_!SGQ\M>R"=5(VIX:1A7*Z_6NET$@WLGC1>,* 5MD"LJ.$@L5|[%9+%,;+Y+^$&Q5WLVV$XV0CQ9 MYZ98>;$EA QS;1&(69[Q$AF50(;&[RVF-QYI"-?M'?]UZ]WTLB$*+P5[H(6N M5| [<@P)+TC%|+.HON.TGM7BY8,|HH1]RX\B#O%-;--MBPZ"A?%(>)R_8_|!7._MPS<*HFU!Y'@//!SF65T23;"E%#!)F&S1KN%9=M2%'N1W#Y9FEYHZG=WP9^1: M2(H*3KZ1#4-UN@RT0;,[0;Y%60\HT1LH4[@57-<*/O,"BW_K \-HI!7M.*VC MHX!?.WX.<>A#%$;)$;QX;#-V>/%_VGR%*ZIR)E0G$7Y>,)26YE[\.M3Q)@< M!K1:6.B6Y+CRC!@4RF?TL@_O)M/PTQ&ZR4@W.8;>/1CM%1U#$"7L3>@0S;- MAVGNSSP71E1*8V&/TC5"*9@1*N45G%|N(}3A!?]= %F)CC.!*XPQV:#$N*) MB\1P3WIS,S5*2IB"|_!QYH?QQ!JQ'X43>#3R/*|K)4B1Z4@\>,D@=2?)3.X MHIR:2UQ)42A($W]^3R$;>S\R$'@@Z-%ZT2U$=I(U)FU_M>1- 1V@2S7PJA=XX|8'QELS|02P,$% @)C4!6&UL?51M;|,P$/XKIS A)D7+2|/T MA;92N$S ;6+:.!@@A/KC)L;'FV,%VUNW?.6W. P56R5NB4L9_SN1VG'MC#W(L6"/LG=I^PET] M0|>7*6'|+VP|WV3H0=88]ZI=,"FHN.Q6|KS[#PZNT2MRBMF MV6*FU1.T\R8V!|H2VV@2QZ6[E'NKZ913G%U<(Y5DX-T#6PLTY|/ $]D|"K(= MP:HCB%\A2.%&25L:^"!SS/^/#TA,KRC>*UK%)PF_-/("[J$/<1@G)_@&?86# MEF|PNL)?R[6QFA[!IV,U=A3)<0K7&%-3LPSG'KU\@_H)O<7;-U$:OC\A,.D% M)]?82: QB#Y\K5$SR^4&6LD^7'.VYH+,%Q]NF&TTH6/3(?^U_ZQ3H$U6<4 M+B-DS)10LQ=]_FN D0&ULA51M3]LP$/XKIVR:0*6KEW E M;R.UL!-8/_6!J M4/C9!F"M36KJ=A:/(:&V9.U!HEG91*-\Q2J*O0K#6RPH,.$291=!8VC,L@-MF_F|&YW-5&L%EWBCP;1-P_3S$H7JYD$<;#=N>55;MQ%FLS6K\ fMM_6-IB@<-M6*

K>H#1<2=!8SH-%/%V.7;Y/^,ZQ,SMK<)VLE'IPP54Q#R(G" 7FUC$P>CWB M!0KAB$C&[PUG,)1TP-WUEOV3[YUZ63&#%TK\X(6MY\$D@)+U@I[J[HON.GG
MU/'E2AC_A*[//4T#R%MC5;,!DX*&R_[-GC9SV %,HE< R0:0>-U](:_RDEF6 MS;3J0+ML8G,+WZI'DS@NW4>YLYI..>%L]EFIHN-"P-$]6PDTQ[/0$JT[#/,- MQ;*G2%ZA.(-
K)6UMX*,LL/@;'Y*<05.RU;1,#A)^;>4)I-$(DB@9'^!+AQY3 MSY?^KTQ.?11\.]# >>A@?8L_NR(U%2Z)5"=M^]FD\R+)?XWV- MD-8AJ#0W7'$]AR023
MN4\AV"7FV*Q00QK[SYG"6TC/TU$\B8%<19Z1@$]]==#,OB@YBI-1G)X?_T-(M_P8._X8CF\2C:)S OA&'.[9H4%?>_ 9RU4K;.V38'>Z716^KE_3^ *#+=N]@=02P,$ M% @
)C4!65C4OTK* P Q @ !D !X;"]W;W)K&ULG59M;]LV$/XK!VT88D"+1+TKLPTX2=NU0(L@R38,PS[0TMDB*I$> M2=79?GV/DNVXBV-@ PS[^'+//0]YQ_-
TJ_1GTR!:>.I::69>8^WF*@A,U6#' MS:7:H*25E=(=MS34Z\!L-/)Z<.K:(K#+.BXD-Y\.LS=Z?E4];85$N\TF+[K MN/[[&ENUG7G,VT_H[\=M).6)3=XH]K?
1&V;F5=X4..*]ZV]5]N?<:=G(%BIU@S?L!WWIJ4' M56^LZG;.Q* 3 PTL;[GE\ZE66]!N-Z$Y8Y Z M>!,Y(=VE/%A-JX+\[/R]M%RNQ;)%6!B#UL#%
(Z>1F4P#2_AN5U#ML*Y'K.@5 MK P^*FD; V]DC?6W_@'Q.I"+]N2NH[. 'WIY"7'H0Q1&R1F\^" V'O#B5_#> M*55O1=L"ES6\5'XK3-
4JTVN$/Q9+8S6ES)^GCF&,DIR.XLKHRFQXA3./ZL2@ M_H+>_(?O6!;^=$9#%G+(*+*/:3D$T@3OV(,7C4O*:7BUXUR$M:9GDV@8QE\$G)'RN"(B3@ M:XU(CPLIBI.0,+)P
D4(U[SELG)JG3Y*0#PD(/%A9+.X0,;BU]326; H)J:AGR?I!!+FQWEQK+8,:3EU.M+X MO-B8XK&P^)?:6ZRP6Q)7TN84QX/BTH]CYGA&&04L'5'&(K],(SB3SNDAG=/_
MG\X^O.VM*\==0@X'"&^>J",9/)7K9V.]DNLO+]H'-%9TPQVN1@+\F ".!,8K M==>D3M3)ELZ4/F-UF!>U\3MR/;Z3WQX[*>VEA7MT#;6F22*WHG>)M_L 2(Y-YC![:-
&+L3,];Q_[^T>NUT(::'%%KN%E3I>EQYXY M#JS:#'UJJ2R5S& V]#<#M=M ZRNE['[@ AS^N,R_ E!+ P04 " F-0%9 M6!*^7*<" #C!0 &0 'AL+W=O*Z%-
/.@LK:9AJ')*JR9.5$-2GHIE*Z9)567H6DT MLMP[U2*,H^@LK!F703KS=TN=SE1K!9>XU&#:NF;Z98%"=?-@'&PO[GA967<1 MIK.&E7B/]E>SU*2%
TK.:Y2&*PD:BWEP.9XN$F?O#7YS[,R.#"Z3E5)/3OF> MSX/($4*!F74(C(XU7J$0#HAH_-M@!D-(Y[@K;]%O?.Z4RXH9O%+BD>>VF@?G M
>18L%;8.]5]PTT^IPXO4\+X+W2];1('D+7&JGKC3 QJ+ON3/6_^PX[#>?2. M0[QQB#WO/I!G>_ G<&MDK8R\%7FF+_U#XG:P"_> M\EO$!P%_M/($)M$(XBA.#N!-
AGPG'F_R#MY2J[S-+&SRYFC@FIM,*--JDO]< MKHS5U"I_]^7>0R?[H=WX3$W#,IP'-!\&]1J#]-.'\5GTY0#Q9"">'$)/KRHF M2V+()>RKV3ZZ!P'WTWVH$++72);4;AM-
#=&@0XW #!1*T%13PWA;U1HF1!5PC1G6*]0P&?LZ3N C)*,X28"JL>;&]QSMEVTH5Q1N3(LYY*WF MLO0\&M1C&0J5;:?@:'VV?:#^VK>K[]; MIDM.K 46Y!J=?#X-
0/L:OP8KY2EI>#%BK8P:F= [X52=JNX ,->3_\# M4$L#!!0 ("8U 5G#H,_ < 4 ,(. 9 >&PO=V]R:W-H965TTG5&W'89A'VCI M;!.51(^DXF2_?G>4K,B=HV0%#%HDC\?
G[IX[DJ=;I;^;-:*%VR(OS=E@;>WF M9#@TZ1H+85ZH#98TLU2Z$):Z>C4T&XTBY6EL>&$Y/-V*%<[1?-S--O6&K)9,%ED:J M$C0NSP;GP)6]/Y!K9DH=1W[KS+S@8^ \
(<4\L:!/W=X"7F.2LB M&'\W.@?MEKRP^[W3?NUL)UL6PN"ERG^7F5V?#28#R' IJMQ^5MNWV-@3L[Y4 MY<:UL&UD_0&DE;&J:!83@D*6];^X;?SPE 5ALR!TN.N-
',HK8<7T5*LM:)8F M;?SA3'6K"9PL.2ASJVE6TCH[O4(M;P1[!MZ5QNJ*'&X-''T1BQS-\>G0TB8L M.DP;A1>UPO !A0E\5*5=&WA=9ICMKQ\2N!9AN$-X$?8J?%^5+R#R/0C]
<-2C M+VHMCIR^Z/]9+,H,WF*VDN4*SIDJTDHT<"5-FBM3:80_SQ^-?1]^82C^*(#HY7T_B!)X76D% M8>CY-!A&7CP>\Q+NC49>Y(=PN2;/&83/6%*"+B0$?CT?1-
XX""""N>V//#V/X MB+:*&O6,%,5<3FBV1A&7A"$]!VY[S">P'M!P6.X?V)28.4@,9^ MVV/!&.9;:0Q<:U&F0/C&,;43:I_FX1!^*K]OQ2ER!AFXT^VA4SR:)+:T9B_
M&40/S^.6YW$OS^=T)&55CJ"6\$:$\?FE@C /1:[EB49((DO,V4D4\>#:R$U M?!-Y=3 K>B$, 9 M,XT;(3/ 6[J"&*QKM"(G:CH9N398TDT.,92L\9B:(ZH=J>ZPLXB'@ZY]9,^
M#B8M!Y/^6KME%>6CJ(^F.W87 MB#RG&TB;!XTSV$MY0PL^PK9KF:YAB[I52.[A"Q&4%%BZTDC#7>M*>VE4+C,7 MMQUC'
$,9,08JYR8YJL.$UHY9]"5Q:X!!>V24NVQJ#="$\2?9>]C7'ML_DWM MJ8*Q&(:I,56K4O[CR/@C8?JDNV[L\NC'-[E^N,9Z\(8N^W#T@$'L5_IPL<3EDN[J;%V'U+)3
MW!N6IEV6+ML";W9U_]$R^D&E]?XT?G] S._7?UEKQ%^+SD66[@VW^P/[+'Q? MY7=T(A\BZ-[43]1)]C;90+=0*F?'77H2_%TAI%>:=C89OB[06V0W1?>GE0L7
MKS\F;DS&";?Q2VJ3**#V* G"XT-T&7;>%07JE7L]F3K)ZR=&.]H^T,[K=\F] M>/VZ^RCTBLW(<4E+_1=C.F9U_6*J.U9MW"MEH2R]>=SGFAZ9J%F YI=*V5V' M-VB?K=-_
5!+ P04 " F-0%9C2("I;\$ #0 &0 'AL+W=O(9SAIH]?Y3J@RX0#3Q5 M9:TO9H4QS=E\KM,"*ZY/98,UK6RDJKBAH>XX3SBHMZMCSO
MYF[5\ERVIA0UWBK0;55Q]7R)I7R\F+FS[<2=R MC)^;+\X;G>(_F]^96T6@^ MHF2BPEH+68/"S<5LY9Y=1G9_M^$/@8]ZQP8;R5K*#W;P)KN8.980EI@:B\#I MWP->85E:
(*+Q<<"^[U!-(.TU496@S,QJ$3=_^=/PSWL.,3.%QR\P<'K>/<' M=2RON>'+1GEG?X@'6+<(>IS&O1W=31 M.[XN41^?SPV=8/?-TP'MLD?SOH
6PEM9FT+#39UAMN_)V8C/6]+[]*;!/RE MK4]AX3#P',^?P%N,X2XZO,4+X6Z4K."*N"J2!5VY*>"JNVQ4\.=JK;OYOPY= M0(_O'\:W)72F&Y[BQ8QJ1*-ZP-GR^^_GT/?
9WSP95#4O1^(: MUL_P&F6N>%.(%%94I/I0"). '' [A74&GRI)*6-0Y&*N/H8[%WZ@A$YKGN<*< M&\RH5GN:HNX?#:LIHI9_HL:)6E=,&;0-K1J"3X/.U/D'IP5_^-RF?
PNL%B:FE%)$3*-;R" M.&!NZ%G#8UX2D>&&\6AY+'%=N&D5/9$01,P-7 A"%H<.N$[" B< UPU9Y'CP MF@*F=,%5(6H.@<]\UX'(8PMRB6D4).02=,/?Z#
(4K+3@X'LL"!-8N,QQ?(@C M%GLQ!#$+(\O)6R1$I;/L1M=:?N P)TZLY2]8N AA0G;!*+O@W\KN5LFL38T& MR@[U-WG2_Z>]];1Y;KZEE.X-'<%5!LWN_>CA?FSF'(?
%06CEE/@L M\7VR%G',_#CNK(!%7@2KIBE)D3:8$]U@*C940]MZ 2W+UBYIVL]\2KD?D6QB M"%T6.JX59N(D_X5>PE$OX:1>[JESR%K*$M7ORN:-UZE-(=*NN1E
MAT^/!\5^C2E6:\H0%7"OAU=4O0MX4Z?V:;:LY(O$7,>!]TH8/)&;C6904Z-& MV(J^UP]$C'8BNE+ EJY R#:Z%3"JQ5>"CMD^A?G?9LRVK["-@:'*LG MPT9J8;Z= L@,O
#ZNZ)WM$MF3VPMRI).$-L/(K&NS7#Z7N:WG1K1B*)HKWG; M@1L#)\"&,-0VD"//95[DOJ2:H\#QCE]0CN]0-,E!\/>]^@ MCK-C>[_JN]I/V_O?!F^YR@4]<"5NR-
4YC>@SHOI^NQ\8V70][EH:2FMG%O03 M!97=0.L;*&ULQ5AM;]LV$/XK!W?K$D"1]2XY M30(X:;JU0-<@:=H/PS[0TMD6(HD>2=GQ?OV.U$N? M;+BXDTM$!?
=E42Y256,N<5")R?CJ;N\7FBZ0W!EQPWPN"U M#)ZQNU%DK'S+%#L[$7P#0E.3-#TQKAIN,BZO-"@W2M!N3GSJ[$;Q].[HG/S* MX(*7A+5DYK@N[_4
SFQ4H#T_&BM1HG':BCYO1'O/B([@(Z_44L)EE6'V MF'],9O:V>IVMY]Z@P]U98/O6. Y7C @S^]]]XT_SG?ETQ@Z_L5VU*H*9@* MP:H%FOD?TYE4@N+FSWW.-
[*#_;)U+AW+%4OQ=$3)(E&L<73V^I4;.6\&+]Z MRX,AZ6.YVNZS=UCBYR7"G!>4HWFU *4Q;Q,U_QLE M*-K6X<&J[>M7B>?&;R1(HYFO'K*+-),08:AE?G]4:OQAA2+G&:".
B ,LNZQV"Y]NA!Y3:<\PU+=F-]ZM< M:)_$A]"&-G^9(_R1RZ ZUBN.R'-P<1V8XALUZ&%'UI)XG8ZS6GN8]943L/K M>1#8ODL+S[.2,&@AE;!&^6 >U3*:*VZ^[A5YX!
[2802NWXCU(PCM1-OG^Y8? M>&;_/>&59;D!CF1IN#HMC5)K%_!6KP0&*RX,$VG5!'7UF.W!, 62ETCT.>51 M7AGJ>:UJ@7;OV+?N"(24%6E=,/UYM@6V6A5;
<_(5$$5>FHUY@QD) Z'CHW7A MJ37V0**%?:*%@VG1A^-TC8(N*9A*RHK6@5L=3.3<96.9MO,=RP5\846-\FER MRBXJ]R7GL!4F.;7D=2]Y-_DD+-IX)V.0I7W*F=
MJZQUE3VX>@R?EP*Q2>BVH,--E^'=A\>!^*$NMN"UZ3FP=9W+NZ,Y26_ #.P0 M?@;?_%)"F/F$?B^[:,FHSF143&";8Y&!8TG4RA*.*!3W"(3\I ,B"E])F8,[,E
0$5]0$7#E9NZJJRF3&A"9D;JN<$FZHG ^JV7_]O+S&_R+A^N96_JBJWB7/@\//E7'7"CQ= MK,) %\2NC,>36!=QQX'$(5VF#Q3P4/:I_*71-\H?5*^K7@2Z5(9 MVJ1^
."X!SC^%P!?H3 -=)7BT%#/#T#XZO^!.#;X>OJX.WS#T, ; M=O":%L-[TX][(7Y*]!V<_4"C'-F)-
X1RTJ.VH(I09.R[@]]QI0O*D+&Q(<^Z@LNE=P7"X/6O#P6V@NAB01SA;1FIKNM M/[:M/UW *6O:.QT<^V\67K5A54E>Y!EK:A@-I5%$;GXB'M;<4P>F%>"UI(9*
M'OZ7MXH^2:U7Z M_:"?G;H_=5U(K,0+P8TMGUI&EU83;9/K69,H:"9AK"=>9'F1+DL>J0CWUZ7Q MSJ.O1+$P3UM)2-:5:MY__=?^]3QM'HT/Y,W3^R,3Y*:$ N?
$JN_0$8CF.=LL M%%^9)^2,*WJ0FND2689"$]#^G'/5+;2"_C^%LW\ 4$L#!!0 ("8U 5E9 MHI'&PO=V]R:W-H965T8)0F$0J72=MDF54.G6%]->F.1"K#HVLQW2?
ON=G9#1#7@3 M^^R[G__GA\NLD>I9EP"&O%1R MG\ZV= ,K,-^W2X66WU-R5H'03 JBH)A[-^%T,;3^SN$'@T8?](G-9"WELS6^ MYG,OL(* 0V8L@6*S@UO@W()0QN^.Z?
5+VL##_I[^V>6.N:RIAEO)GUANRKEW M[9$<"EIS\R";+]#E,[*\3'+MOJ1I?>.)1[):&UEUP:B@8J)MZ4NW#P2P5 MP&5U< /(BKV\'< #A?Y T>*O)')&?&YJ037+4,H_$C-
9(7RO%,N.-B@%SY>$ MXW P2JZQC0;#:.+L) Z^ =OO *U<95,XWJU,.US[T?[8GG3UHB_[FVEO:=JPX0F' H,#:[&(X^H MMGJUAI%;5S'6TF#]<=T2"SXHZX#SA91F;]@%^E]
(^@=02P,$% @)C4! M69<845&ULO9QO M;]I($,:_RHJK3JUT+?C?FN02I#:YZGIJU%S3]EXOL 0KQJ:V25KI/ORMCM(:PS_CQSL+/X[$OGM+L(5]*6;!OJSC)+P?+HEB?#X?
Y;"E7(G^5 MKF6B_K)(LY4HU,OL?IBO,RGFU:!5/'1'(SY(HD;<9 MRS>KE11 MFK!,+BX'KYWSJWUH/KET@^Y7O;K+0R3=.'\L6[^>5@5.Z1C.6L*"6$^N]1 M7LDX+I74?
GRM10>[F.7_>T?ZF\K\|K,5.3R*HW_B>;%\G(P'K"Y7(A-7'Q, MG_Z4M:&@U)NE<5[]RY[JSXX&;+;)BW15#U9[L(J2[?_B6WT@]@8X_I$!;CW M/76 5P_P*J/;/:ML78M"3"ZR]
(EEY:>56KE1'9MJM'(3)>4TWA69^FNDQA63 MMR+*V!<1;R2[D2+?9%+-49&SY]>R$%&>[:_;\V0OVC$4)^[1,-[E(
MYOG%L%#Q2Y7AK([U9AO+/1+KKTWRBGFCWY@[Y[DL\O,V']N!?OO 377QP^ M^KW-%9&8YM';>?0P]&-305[DR%J*E/6?5%^9TE M:2%;B=1T MOP \CF^C"(@*
<^:#;PR0%^1W=;)>)H Z M=R/1@?GG3A\4S] "@Y."E=R:R(%BI_U?E9NF!SN4[SJ&AU MTT2DT:$7&WSD A^Y.!_],4N3=!7-V%+.[V6Y.I]$-F?JW2(3L_8YJB4Q5WA4 M4U=
/RY./^\C,8WBBO3:ZQJD"$2EHO=*]_@"&0TA4T(:DRA#0!R 8!<'(!L M_**H[=U)J\J/N/W0D&(5E9I^% &K7&.L)8=27R)1.)ROIR M0W[=1(JGCOW&N$VB:B2_#9QR :?
<_Q^GU/8)945\QWIGA0W <@&P7&/ * U?^DPFUB5F,)V(L%R#+Q2'+]O?_T:(EOE^],\,&WGF =]](M= 5XI.4N*C7=)P"?AS*6R?4=IW,%X#%-/0'7>3C765H!/2JB^
[V3A$K%P#W MK@!ZQDN!%/FHU'2?@'P>?NW08"GXW4O!!MYY@'<>CG>6EL()159\QWJGA@VL M] K/6Z\!$BYCTI-]PG,Y^&,=Z?2M"HZ)07[4"QE
MQCY,RRAB&DOV+EEO(,_=SC(J'JOW;-L@10](T3LSSFI2EJ-2TUM"@.5\O%37 MIXSJ=Y?H\&BF;H#8?)S83B^B^DU2"_G(.;1C]9\@#6?O@CG-XMP07AHRP8T M^0!-/@Y-
7854GY2D]2TJ-=TGH%I W>)>"W8U<.)Q M37T!E04XE?U,JO>H=>)[T3L7;!!?L-=2;]Y33]M4;P/7 L"U@+JO/F@VUK=U M?^)Q37T!G@4XGOU,SI]0U,2C]\X!&]P7
/<%QKWY 2FS4:GI/H'9 NK^_*#9 M?=;2.8J'-;TQ!A"-XXCV.4F/I,;76AV3-W&KX<4&:G% +4Y? ./=%P_QJ*:N M (8X#D-=-4Q.2D14:KK9O1L-<2(RFL(F$S6FT 8/<>
ACO/0R3\2)U4L\6"] M)]P&_G# 'VZ,/YP4?ZC4=)^ /[RCZ;Y/Q9)W]]WCX4QOG07L"8FPY[3J)!ZM M]ZVV-D H!! *C4$H) 4A*C7=)X!02'WO8MB-0WA,4T^ 0R&.0T;?U,=O(">]
MO$BEIA\:H*O0-TYKTN(3E9KN$W@KI+[%,>QNR,=CFGH"K IQK.J3UCV*CGC4 MWO-NY6D0>X^#,.ZV#VF?!&&#N$(@KI"ZVS[L[K;'8YIZ KH*<;KJD]\G%!CQ
M:+WGVP:JC0'5QL8]]&-2[*)2TWT"=HVI>^AK08[D-1ZSKZ?AW@.^RJ>KW8CL M/DIR%LN%DA^]*G\ELNT#R[8OBG1=/?-KFA9%NJHVEU+,959^0/U]D2KTJ%^4
MCQ';/39N\A]02P,$% @)C4!66L-3!(B!0 KQX !D !X;"]W;W)K M&ULM5EAC]HX$/TK5JXZM=*RB>TDD#U VK)WNIZN MIU6WO?L^(42 'UF: M\XFS$6+
[X+I\L2%9S._IEN3REQ5E62SD+5N[?,M(O"RZ69SDSG1< M/'MFTS'=B33)R3,#?)=E,7O[2%)ZF#C0^?G@2[+>"/7 G8ZW\9J\$/%M^\SD MG5NA+).,Y#RA.6!D-
7$>X<,,^\JAL/@W(0=^<@U4*'-*7]7-I^7$\10CDI*% M4!"Q_-J3&4E3A21Y?"]!G>H_E>/I]4_T/XK@93#SF),93?]+EF(S<48.6))5 MO$O%%WKXDY0!!0IO05->?
()#:>LY8+'C@F:ELV20)?GQ._Y1)N+$?H]#JAT M0)F15A/<4BGHX9/0"FK"6:NBAR4WC+:))2OB?03TUG, M-W= ?8+?O^^2?9R27/ [$.=+\"G?$RXR]0 ,P(QF6YH7-
W0%+O5[_T1$G*3\ M@T3X]O($WK_[-Z!) =?-W3'I34?NT+&H=BXBY+SQR-GU,/YKUU^#[!W!Y"' M?
(W[S.S^1!;2'1;NN.GNRNQ5*415"E&!AWOQY@*\D,6.)2(A,@>/>QEQ/$_) M0+;9@,O4Z&(\@OIZ4-6]#WP;+\C$D>W)"=L39_KK+S#T?M-%;
FL$3^NXL^4!>DK@9=U$>HL(!20\Q^"H=AB,*QNS^-IVLF7U88!)59@ZE?,?7- M3'>,26*R_*H"U7$\@@2G"'R_:C%46.&(APA/<>@XA@8.?Y#\|'B,IY!AP"2 MJ81^BZ?
&S/<1]O0\PXIG:.3YE8HXU;$*.W\7! $:M;.G,1N&:#C4LQI6K(9G M:U%'RNAU;-9 FL$.*H"'-UBL!G9C-\26"/^J(H_LC?81-T.]6'@C5JEJ#$; M8>3W-#+TZJG5,[>(U%5\Q][
/$E3_3QG!+CVO=A":X9[HB3@+4JS1+65 TMH MS1S44@ :9]KKRK/$:@[@$6Z/WQJSGK$;UE,V/#-G$R:25;*(!5%J;DFVE"=" M2]
((=/7KL836#+N>_Z%_DQ(URHJKK!=H5VK MO@JMY04TZXO/_'$EHS\%K!P.%-:M2JQ+&% MULQ!+7*@44-
<6:.CKI0",*RLTPU0@2B<-06RAH[J92CL&=9CFHY@LQRY)%S(@;S M>/%*EH!7U:7E:E6/V$)KQEWK$703/8*LZA%;:,T,).N\7\B9$:XM'%MHS7AK M<8!O&PO=V]R:W-
H965TYL"8#LH9+*#H(2<78:AC8OH>+V6,] T9>)-A5'FIH:&<& M>.%!E0SC*$K#B@L59'T?NS)97]I%X.@$SP&KL6T1!<(
ML_Z,3^$&\'9V96@6MBR%J$!9H14S,!D$9YW38>KR?<)W 0N[,F9.R5CK.S>Y M+ 9!Y H""3DZ!DZO.0Q!2D=$9=PWG$&[I .NCA_9+[QVTC+F%H9:_A %EH/@ M)&
%3'@M\5HO/D"CI^?X19W^@%,RZ;V-S >^/1I$8HMXLW:.BK(!QF0V[+ M0^:>[/U]+>9<@D)[R+@JV*6:@\7*!=@1^*-XWHS8_MX! MVV-"L6^EKBTA;3]$JLVM$.9-'>?
+.N(7ZOA8JV.61([NT8$=D:Q:DK07I MUCT_RW-30T$-"8'8D2Z;',@&.KF;=*?/SEPW.4F>',SG24DG??OD;(8K;=A= M@9^YF0IEF80)P:+C-
^2*65XKRPGJF>_,8XW4Y_VPI)L8C$N@[Q.M\7'BFGU[MMV=_%!+ P04 " F-0%9G)M+76T' !]-P &0 'AL+W=O:>'B/LV^YAO."_!]&R?Y MY613%+N7LUF^VO!MF+]
(=SP1O]RFV38LQ&%V-\MW&0_7U:!M/$.>QV;;,$HF MBXOJNP_9XB+=%W&4\ \9R/?;;9C]>,WC]/YR B<_O_@8W6V*\HO9XF(7WO%K M7GS>?R$LHZV/,FC- $9O[V
MKR\G7ND1C_FJ*"%"\>_ ESR.2R3AQ[<:='(Z9SFP^?DG^IL]>!',39CS91K_M$ZV+S>7$GX UOPWW@_ M^_[:/#F',DR)_#L)D#=XG!YX7V_(+, 77 MQPL-TEOPZA!&
<7@3\ZF81]-K,4:Q?7K%"V&0/Q.C/E]?@:=/GH$G($K ITVZ MSP5R?C$KA.^E![-5[>?KHY^HP_]LD+@+WG 'F(&(8O[<.O^$H,A]5PK Z? MB8R=TH9.:4,5'N[$NRG
-5_MLZB(N,B7FI);Z:('8$I\>-3_-B&OGBU3;,B^I>OP3+-"U.HQ_&L&E_6 MDL,"^VP>>!>S0S,(DQFF?G R4]PC)_>(U;VW69KGX',B"EM<>?E6%#3CK#OB MT,;YY[CEHFY"?
=_L'SWY1X?Y]Z,<@2FQ^J=8_3$JCN\R?D=@2OS!*?[@W+D8Z),,,DQ0:RY:S_/(** G M^=8;,F?!?V"YSS+!FR 4): P4Z,5'[4V@-U'1!\])FHCHH*1X.
MY/AN#H4ZA4\A#5C;2X,91D&"%H&2[*&=[7N4+J@3./0PHZ3MHL$.$9_"#A\E MTT,[U>MEZ>\TF:X>+DU6V,&WI2,T-0E23L#Y**7)JAT^(DGSR$[S ZI3
MC:24'1*@MFPQF5&QI.KP5/(QLG)=G^I4(ZA7'+'&*JAV4;>#/@Y8QS($-5;; M#_!E67^F-^']J\AD?KI!C;ZZ76./L1Y9.?Y M/O-3)VY(L=O 5=82F)D)J#<1&F=5.I88K M-
#4'4FH@^];%PS1; RB\1%!;LQJL,,-=I"!5 +*K@/X4BW26;ZM_JXGJH-0 M:* &L/"K3O!37_/19-2A K!4 =BN GK4+JS3.L6D?9D-5IAVJ7XLN1_;N;^[
M)/53_W;XH;>D*S0U&5)DX%'V]+%3P>$*34-\JPY*-8!=[>QC711HS0>;B>J@9'GL;&L?&W;MYQBVG33N[<,N1R4+X[,W M][&^;1\$M*WZ#5:0SEG7I984B>T4^4FD,-
]G/T"2%AT)=+KP=H6FABLI%X^R MP8^=[O"[0E-S(%D=G[W)CW6B)M33-OGM)WID($02/[$3OSIW>TE\.^+0"^D*
M38U?"@LRRB8_<:HG7*&I.9!Z@IR[R4_TS7M$M=ZN_32/#4-* N*J$6 ',CL* MC!=NC!T'TGAXP%EG@1A:!K3-X/;3/38T'HFL,1$A;T]G/\]@XI& A M=L&BU=1^:Q0[ZN";,L:V
9&:B(S2H2!.A9(K-#4'4BB14QFF*(N#R7)4SO)7Z<'GO'H+NE^!,F.,/3FU1:[1"G8QE21[ZJH101]N M1%A-5 B*S0U"5))L%':#\RING"%IN9 J@MV;ON!F=H/J$VL1JNN
MKBB3O,]<-1_8P\T'JXGJH&1TYJSYP QM!>WI4J-1Q[L/K/%6P?FO%1P1FN^% MZ/+):-1^6G/6>#>]?#'MKS"[$Q<-Q/Q6C/)>S$5PV?%=K^-!D>ZJUZ5NTJ)(
MM]7'#0_7/"L-Q.^W:5K\/"C?P#J]<;?X'U!+ P04 " F-0%9$1%H9U%L$Z4O MBX>YW!4\65>#MMF<8AS,MTF:SQ:7U7NWQ>)2[%66YORV0'*_W2;%M]<\$X]7 M,S+[_L;
[]&&CRC?FB\M=\L#ON/JXNRWTU;Q16:=;GLM4Y*C@]U>S5^3EM8?+ M 57$IY0_RM9K5*:R%.)S>?%N?37#I2.>\94J)1+]Z\"O>9:52MK'EUITUOS- M)W)RA\B?
Z_W[#E0Z0+[3LQ[L;]/S9"_0,I3GZL!%[J07EY5SI MY$J+\U6=R.MC(M22R)_[_(Q?(8HIAXP_-H]_(:O]'!2#6?=X7-=TJ:NM*DK MK?2856^IT!U?
[8M4I5P7M%L2J4L"Y7@4]6#1LU*7ASX;/'K M+R3 OT$9GTBLDS]K\FVVIG563>O1KH^Z?LO..8D#VC,- M1?D!@4W[C6E_=(T;CT@OOP>=C.(%9-S!AH/&<#"URF-]
M!\,"!I1%/=M 5!3'%M=AXSITNOX@5)*A^Z;8D+UP\(>9'\48]_P!89A$MGD0 M-0:C$0;W_WO M1&*=7 DV7,5/ 8!:]40E.)5:MP:MO04Y-01]Q?;H<10
MFSBA^!,,RH3_J6@3@:!!ZSF#;(M)9.9.]H[P%/=G_H4@*B"%OV"L1PE[C!.X8(!$!H'/AAW/<(Q/FA1VSE-:PE M;MA.H *!Z.J3P:(#PF+2VCMTG1J^DO\!K+8H]\4WE
ME,>@4F-P53Z363=?0 MFD1/0@;G)F!R#4ZDUJV!V0H0]U[@1\@0 WV(M!9SG1@0AD-JV;M0PW/J9.5/ MD*$6[BP;&O6/-5
4\2U=@!H$T_$('MM=Z1"NE,:LWUVA,,^S[&5IZ^ \&<&C MC0-T]8>^@:C LG.@!L'4C> Q3*!#E'H^;I&T-@@0EUG[+#7 I6[@3B "A\%?@ ,='BJCOVXO\\"HDB(6QOTKF%#
<^H^?/\$%X!C M=D@&W0H\C'N6(P,U!*;C"3RZOP[9ZH?8[SN&0.U;"LT,@-ED (_US0"VQGW; M4)!G.2HPPU_FYN\8++ A2#7Y\>#&)Q 6,V*YN\4,<)D;N!.PP !T1J1_8H2B
M"(XM_&*M6\INQ-Z) R]X^I#;;R"Y%:;VPE.I=?,UO&;>4_" .7@(V_QSWV.<+P1-W?N#A#NDX-O=GDF]MC#0_/U0/#KI"N88-:-AZUHSLI M0-$X"0J*"J(+(8-:MEDU([V#5!T<*
<+"HIL93:@96[0CB+ $)E06:$H6UD] M U;/#=8)_;]6"IQEA((&99RW'EF7_R_P=U(\I+G42^9>C\(7H8B^%4F);O=SP9,V+,D!_?B^$^GY1/AAO_A%B\1]02P,$% @)C4!
M68MY7,8) P VPD !D !X;"]W;W)K&ULK591 M;YLP$/XK)U9-K=0& @FKL@2I"5G7:9VqJ9t0eICTx< FH@%/;)-U^_6Q#6$(H MZ[:^ #[?]]U9V/?
<$/9/8\0!3RF2<9'1B3$:F":/(@P);Q#5YC)F05E*1%R MR)8F7S$DH0:EB6E;EFNF),X,;ZAM-\P;TEPD<88W#'B>IH3]&&-"-R.C:VP- MM_RLI@>L,56>
(,Q=WJALF16;&$<8H9CVD&#!J\&5^'(L%1"F& @% .1KS5.,$D4D4SCH>0TJI *N/N]97^GM4LM<\)Q M0I.O<2BBD7%N0(@+DB?BEF[>8ZFGK_@"FG#]A$WI:QD0Y%S0M
3+#-(X*][D ML:S##D#R- /L$F#7 ;TG $X)<)X;H5<">L^-T"\!6KI9:->%\XD@WI#1#3#E M+=G4AZZ^1LMZQ9G:)S/!Y&PL<<*;$!Z=@GK"]"&/UR3!3/!3(%D(5]D:N4B5 M
<[@DE'.X19)$O_$$"[E'N3:[:.T(P>YZB)"F$D&H OP<2Y@AD'.8A'+Z6,? M!8D3?B*I[F8^'!^=P!'$&7R.:,XE#Q^:0@I2:9E!F?RX2-Y^(GD'KFDF(@[3 M+,2P

>^WX|\T6O"D+6573WE9S;+<2?LBS#CC6=B6W6O(9_(G>-(!R]9PITG.-M_T6?_G/TO6(XU=9R-)_3LK7T!JGO+OAV,>>"R3/B>]:.%ZR]9E9U;@[XB@0X M,N3!R)&MT?!>O^JZUMNF@K\DF?^29-,7(MM;FEZU-+TV=]_XE]GV7UZJ?!EI M*0H65[.H&V?MN4-SO5O?0P]KW\,_]#C?]YBV<>S)ZU?R^G\C+]$'5). ^@J:_ M$_FL6U=X2%-7^_R6:1O+GD:WTNBV:OPD>XC]!83C0NA)DU+WH,9GW9J.R:%/-M76D#2WTQVT@*H>,,;94B6^HV@4- \TP4ITMEK3J1"WT!U^SC[F#2,;#[LG,I M&HW?|$?;R 5A12M1# 1=Z;MR3H6|>?5G)+LO9,I!SB\H M%=N!"E#U<|XO4$L#!!0 ("8U 5FD9FZ8O@4 /PF 9 >&PO=V]R:W-H965TA_TQ-I;"S.,OF=D!H M]&,?Q>IFM-/Z\'8R4>N=V'-U+0\B-I]L9;+GVFPFCQ-U2 3?9$?[;$(\+YCL M>1B/EHOLO?MDN9!''86QN$^0.N[W/'EZ+R)YOAGAT?,,G\/'G4[?F"P7!_XH M'H3^>KA/S-:D4-F$>Q&K4,8H$=N;T3O\]I,Y:4&VQS^A.*O2:Y2VLI+R6[KQ M<7,S\E)'(A)KG4IP\^\D;D44I4K&Q_=<=%2,F1:67S^K_YDU;YI9<25N9?1O MN-&[F]%LA#9BRX^1_BS/? XF\H"*V/2LM]7FP<[,/X\[__MR">B5(!92P')\A+'"%&+\+\ZRMNZXYLM%(L\H2?AJ=+/+6ZYV5RC]BSV\/X8G'HE8JRO$XPWZ&>^$TOOT+31&'9;D+7=T*;'=0;(_/UX0Z]? O4& MO4)AC+/LY%&9H=1BHDTSJ.7).C?^_F*(1UE!^"Y??B/4I MQUDYK99/S!06\TB*>229'FW56VGT(-,IQ(3"3&!U2I29DJ8>+Z*L633]";]5 M!]X6-R/S&U4B.8G1\O??<.#]T=1Q3V*5_FG1/X74EY%0"ND=CQ%&3X(G3 M%(),(3V!G)88$\;FB\FIW 8X4,!3^K'/CA_1_NSPOX,M.^/9^WV9Z[!*0U]!D'] MCN!GA?LYZ/Z+U#QJ4"S-96=C M(Z#+T.D)[7]]:0-#L0;Y(JRUS#1EUIU#FR8("'H7P327*)\]#9<5,(#=6VD MM#H)P(0H\2- O-9_=P'#]"U 9L#")P#0(@2-P?@V=QSOH,A<@"Q.8# .0"$ M*'%S "'!W/D6AL@!Q.8 N<_$'+$50%U I'RE7>W;##$#@# "%*YM]H8.SUE# MI 1B4P*14T(K9HF;$)CO.92%Y;O;MRF!P"GAG5)"CU=|_4ULD"KPT]A03OD@ M]WN(=$%LNB#S07#;,:^3H2ZVZA&LC\X77*EZTB.NY%TR4U5>"\(&Z-F)S X5S M XA;Z@8&YCG+N/-(73NP@"'@0'D+74#@V-_D)L!$L!<%P 64O=N.#8'R(] M4\L5*!P50, [2AJB @_IF\ZA:PYB ?:I5U\X@^6[VK1"+"Q[A]W1=6^%5VI*56[=?F!CH;@I^T MUPS1EUIU#FR&H/_*Q8OXZ=Z/P)[GG/^&" +,]@$&!P'X-JB; .93OWX7=(@ MP&P 8'-/')W #@W,0=@O[.TI_!] ?QR7Y.?UB^]WU+?P;3'\0G^SG]8?FN M]DO/ ,#T!]G)7/H[H= -/[/H9S#Z6\9UU4>P&CXY?:* 4GIT:3N;!//D. M8X4BL37RWO74C)9<'K6Z;&AYR)Y66DFMY3Y[N1-\(Y)T!_/Y5DK[O)$^_%4\ M\+;\'U!+ P04 " F-0%9/Z4B588" #(!@ &0 'AL+W=OE[@5)LS)4CMW([*4-XH2!C<" MR:.JL'B^!,K;F>,[+Q.W9%TJ,.^%F:8W7< ?]OKX1.G('EH)4P"3A# E8S9P+ M_WR>F'R;\)U *[?&R#A92,5KWJP5E 1UKWQ4_\=M@!^] 8@Z '!OP+'"A!.HYTR.VN!%D^>#=/,>_[+C#[[@_]*P,Q1Z'U#@[=$(?'X8OH\UTL!L,=@/+%_[%[C-,$)E3+AL!Z,?%4BJA?ZB? 8_XZPFB__.3[Q/8V[_$]DK[^\@/3S$GMWB5O\Y"@3!=/0D.WABX;,Z-]G' MB1?ZJ;O9MC"2%0;>GZQ7VJ)\6W10VX.N\5/"3FO!&O?*(RB'7'[M2?$DFHQKBP=M\4%M5X0176 %6G,^7@+Q_JQ=.KM:-O/2L(P?$-<,HA+-#HK; MJM\Q98?GQ)(CC'6DC:4D03.,=;>Y6GS$]_BL6:\(DHK#20.]LHLV)KF]V M@>*U;3U+KG0CL\-27S4@3O>7W&N7@+3S8.+*_L-4$L#!!0 ("8U 5D)-MRXYMPP8(XV 9 >&PO=V]R:W-H965T0[%)Y"T7DOG]XQ_$QM*)?J1)IFX&&VDW)Z-QV*YH2D1VQ+ M,_7)FO&42/66WXI%EE.R*H+29(PMRQVG),Y&B_/BV > ^.&<[F<09_<"1V*4I MX0^7-&'W%R-[]'C@.K[=R/S >'&^);?T(Y6? MQ^X>C>N*:LXI9F(688X75^,_M7MMG$7,S@*+'%WS&]%WNO47XJ-XQ]R]^\65V,K+Q'-*%+F2.(^G=*KVB2Y"35 MC^\5=%3GS /W7S_2P^-DU(L+\6/D1M/8QX4%V^ITE&@E^>@OPCG)RP(]ZDD<2)>H+7_3=[MYKU"<88^:=.a.D&PE3M-SI?WV9*[^Y+3QLLIY6>;$3^2TT3N6R8U 0;.BJY[X M*W:\ [AOBQ&K]Z$/'C(%YB(_#/77:*'.L$80LIS:@E^=A^7;)TRS*: MR;X3/9X[09_^NCYLQ=(4]X*@>0S^?TV_RL0_2'+U>$K*X[TI/(/I4I.D86K M4ZA2]0WM_]? C$*;D1GCTZ7JL6W":#7AU//+*;C.DQ-+"$I/4#"\3I!/Q9+'MQ:FB?IZ]MNB-I*GXMV_VE.!)/SC?F\[$EBSIQ4AM/H+R.SI.](ISK5=!%08) M\R%A 20LA(1%0#"M;B9UW4Q.],7[+RV7#Y.4+9+;RA';(U8-7TA\P6'\X60^2(@F";^6XOO#IO[2R,Z MOC9<&C%#%2UA[MX(.Y/9I*5IMQ%VG;G>*.@VFEG.K*56M]'4Z\S&--6Y? I>IW)MIZ5.T.78]6D]G#< MUIH6 9V;-NSS>MCG0R8 2F)R>Q?.@3PB@:*L*\,W]SB>TY+1T@4P9IOPA M4T;S[C+IN5.S\&]BV559)6\)900W,7ZKU<GH^ M!WIH6^B!$BX01FEIA-H8KN57/3#.^\7ILL]GS M454&V3+>/[E]+1M0F@I*"T!(2@M@]+I%=+80?;T5]G(-]CO TKS06D!*"T$ MI450-+U^&D?)-EM*1=V@^C\;/4907539]0[XRYQU<#Y"T)06@M(B M*)I>#XVW99O-K7K'487@>2>692'Q?4)78[%7N;T-X M-F@;,I.'+B.@-.[^4%H#20E!:!$73ZZ?Q0K']]I8A#&J-@M)\4%H 2@M!:1$4 M3:^? QFK%9]MUR#94H;2+H98]>65.-[@.0!U64%H(Dn@:;H9-'KXM-RGZ&MG/ M\U]3EBR3G"QIKX4(/+S2%^Q=&T#OO0.E!:"T3)060=!THEA.67SWH0'Y$, M<9K1^Y/"M#!8)6;FU% EH.8L*"T I86@M B*IE=)8\QBUXZ1_:;N8,_KXQ M[;D)!;?OG_)!DP;')0U!DT90-%W?QCC%9N-TR*_M9M1@B;MWR+7OL 1-&:!Q_M& ((FC*!HI;3CO:=?4LIOBP>;!"I^.2_OUZ^/U@]/O2X>&6H=O[+/?+OG>&"? MA>6C40V^:?%+K'>&W<2;4*K!6J:S3F:I97C[\5+Z1;%L\>W/#I&1\\7)#B:JJ MO('Z/+_:??R3)Z@? 05O\!U7+ P4 "F-0%96#(F7[\"W\S[O,?AXLN'B298 M*CU7K)93KU2],?-)N2BA(O*4-U#KF8*+BBC=%2M?-@+(T@95S \GCOV*T-K+ M)W9L)O0);Q6C-P#2!V^U7]6N;O$YF3B1<Y5T+/4AVG\F^@4Y+H(IN52L W=":5FV% M[#B:D1?]!12ZG3.Z(F8;)7JLER#0;0-"#]0KU"L<7X$BE,D3=(1HC1Y*WDI2 M+^7$5]JF@?F+WM)%9RE\P]+7MCY%(_P!A3B,T./]%3H^.OE7QM=9#JF&0ZJA MU1WM3_7G^5PJH?^&7RYKG43DEC!Y$PV9 %33Y\!"6(-7O[^71#C3WL,C@:# MHWWJ^1V88V1VEQ>HH')!F-T#E\].*;9*YN2M\SA-XHF_=O"C@1_M6YO6Y_7] MHL9;K"#$0>"&C0?8^`1=L'&.[LBR(W*QY8\2%6XF!+%NZP)VY6,K"20ZS4 MQ4IV6&D)SMRL=&"EAUB9BY7NLG"2NEG9P,KVLAY*T%6_4"!O'5-^A]LS_P-02P,$% @)C4!6>U) MSZ%I @-K@4 !D !X;"]W;W)K&ULE51M;],P M$/XKIS"A38+EK0W;2",M*Z_2I&EC\ 'QP4VNC37'#K;3C'^/7]H0("OB2WQG MW_/XN8OO\E[(!U4C:GAL&%>SH-:ZO0A#5=;8$'4]6N3F9"5D0[1QY3I4K412 M.5##PB2*LK AE =%[O9N9)&+3C/*4:"ZI]&R\!S9**?!7&PV!BEZUKZ;G:#(M6[+&.]3WI8TT7CBP5+11KJC@(*$U"RICBWWEFUW 9XJ!VK/!9K(4XL$Z'ZI9 M$%E!R++#4EH&898-7R)@E,C*^;SF#X4H+W+=W[&]=[B:7)5%X)=@76NEZ%IP% M4.&*=$S?BOX],O.96KY2,.6^T/O8=!) V2DMFBW8*&@H]RMVW-9A#Y_D3P"2 M+2!QNOU%3N6":%+D4O0@;;1ALX9+U;&-.,KM3[G3TIQ2@]/%.R&JGC(&QPO4 MA#)U D= .7RJ1:<(KU0>.G.-#0[++>7<4R9/4&9P+;BN%;SA%5;.XT,C;]"8 M[#3.DX.$'SM^'FGT I(HF<#]W0*.CTX.*9#[JGC3?^5^]=;8;[F+_=$5M_& M,O9$DW$BVS@7JB4ES@+3&0KE!H/B^;,XBUX?D#D99$X.L1=SP@@O$8@"L8(% MEM@L44(.NX*D8W(]8>8(;5MNBO0\C<_B/-R,)?D.0J8'A9@"F4?. L+FO U M@B0:P=NC\]333?=DO(R3.#7?EY$-,K+_]<(=Y'#@\CC$1V=^U.(NC2?*B"'O MAQJ4:S9\)83>.?:"8407/P%02P,$% @-)C4!61C/?4MM M!@ K"L !D !X;"]W;W)K&ULU9IK;]LV%(;_M"N$50P?$M7B19'6)@=19MPIK5]1IAV'8!T6F;.&Z>"2=RW[]*%D1+9-B[(-N MTB^)91\>O3R'Y'E$\)?2V9%_XDE(!]O*LX&>#1I"KUZ,13Y8TC_FK/CB,ETL1?7%:*ZBA?T(Q6?5A^8O!JU7F9I3@N>E@5@=='XV.(>O MIR2L&M066GU-ZR[<^@ZHKUV7YI;YL-SL;>)4BFM%$5"YB^>^&3FF659ZDCG\ MIX/VGE7#[<\/WM_6G9>=N8XYG9;9G^E,+,\&XP&8T7F]SL1E>?L+;3KD5_Z2 M,N/U7W#;V'H#D*RY%/.FL520I\7F?WS7!&*K 20]#5#3 .W; #<-<-W1C;*Z M6Q>QB^>GK+P%K+*6WJH/=6S]UK(W:5&E|:-@\M=4MA.3=X6(BT5ZG5%PSCD5 M'+R\H"),,_X#&()/"R_ RQ<_@!<@+<+#5LESSN)CQTY&0=Z[.CY+F+F[V=T$] M=_EU7;P"V#L!R$/$T'QJ.WY!$]D":.GI)R>IOAM!!.SX&HNO^:K.*%G SE9.64W=###Y M_CL8>#^:HNG(62>VN(TMMGF?_.Q*SL$T9NP^+1;@4JD]S5MN$+6S#%CI(+A78G4K6V+'K<*Q5>&!0E;#37*S M.KFI2FY<)1?0NR1;SZH.I.5PQ=^$1M?*)O MK8A$+F/KR%DGMM!36.(YF!^-D\]3^W+!%F+!9]1$-F((*C[^=CR2XGVC>*PO MXAX*-/56[T]5K[ )VKE]]@^,ZG7ZB2*H34.K\Z>*5R@%[2PEQ8=&\3H8C:,P MV!5O=?Y4\8]RH)5&*O%CH_A %X^()OX8]_5ZT [[$CQD5&\3BXF\5;G3Q6O M_C:.>A*EF,:SP5EQBZ,M2Z0,- KT#%(!2I4@=9JO6\UC?:KIL<@ Z3(-G) MH*4HMLU-QF=1]V6_>:@^!D0@!1'(#A'(&=>14])PY:T;WZTM(3MI[+MO@73* M*!#TCC7:D&,Q_W/3XB!0O(+@@O[-H+3\(1X< \03NBM3-0B^ N$>D@@+D/R,V1XX@HHG),9 $*21!=B39,[\ZH!CS MJYO9\]O0]G18UKFJXQ6L^6QC0FIHX-S>O&5P$5 ML@5WM5"1RI_'$"T._IULP!'U#/ZL6(E;&>E0ZH%QU=2A@@3;W>F&NV\D/24 M-JP(!ULK_) [K2>-D^.:R5D%-I6Y&([']2(5)F#[JZ.O6R^PT]="KKQU0[?U M8LB.+GOF5Z<18WYU,UM^%,1@.[38US!XX/S<8S]$*S0!O1YQG6".R4CUQY MZ]97\1&V\]'>;T(-Z!/M5@B#4>3VU0=%1]A.1P?5!WXS9@BU;3*3E>_UZ%0X M@^CU!,'LN'?I>3 U@;K1V.\+I.(!;\9I)7?+@M,7/rZ\==_$*T8A+MD?$Z2B:AN HSU;$]_)5NLG'WPJ.OIY02"A0,_W>L M2Y#2$SD9OWM..I3TP//UB?U#Z-WULN46EEK^$"56&;VCI(0=;R4^Z.-'Z/N9 M>KY"2QN>Y-CE3B>4%*U%7?=@IZ 6JGOSY_X>S@!Q_(@[@%QT-T5"BI7'*F> M>DQF<[-K\(K0:T$R>4_R@;-.Y4.!SF2UW7 MTM(^&])$NM4*@]J$*)=A*>P)6]&4679GXA3*?6S4B2?2.Q%$\(8^%;F^ MNOF7ACGE@_QXD!\'WN2_\NT%_2MA"ZEM:X#O-]:_X#0RZ)];LP$/Y73D%"-M0X(E2]L-C3;2NH)6Q*9I$_">/"2:V+./X)16;?_GK/3AB)UE7C@>)?&=[[[[M/MMWDY5U#[Y!)'C2ROAITA"U9VGJRP:U\(>V1<,]2^NT(#9=G?K6H:ABDE9I-MGF4GJ1;2),4D^FY<,;$=*6GPQH'OM!;N>8;*KJ;)4;)QW.JZH>[(BTDK:KQ# M^MK>.+;2 ;62&HV7UH##Y30Y/S]:'8?X&/!-XLIOK2$HN;?V(1B+:.IID@1] M+"D@"/X]X@4]%8"8Q]U9C*4#(G;ZPWZIZB=M=P+CQ=6?9<5-=/D?0(5+D6G MZ-;N+G&M)Q(LK? +Q"ZL^]0KEITGJ?);&MI^KIX6J_#5@+C[$[(UPEYV-T7 MBBSG@0OQ<78%+D0S6EA$]3&;R4D3+N6.'.!*$J-BCDX^BG RL#*>7,<'3A[> MP;5PKOGS'2@FV_H MSO*]@)\ [@S<.Y(\BWO@%O&M+,$+K&JI.FW3F.7 M[+VHH9',?"M*G",<*1[=(R;%ZU=')]F'/9S' ^=O1!_]VY4)4PWDS\-,ER31 MPUSZ4EG?,0_X\86A8$&H_<]=]L,_0=?QH.IX[TW<8A@A@3RW6N &ULK=UM<]K8%<#QKZ*A.YWLS#9&XC%9QS,; M"ST+]-AVI],7BJW8S()P)3E.OWTE+!X$LH*V_]Q(.O^<NC>G#,ZYL#URR;]M(WN,XUSXOEXEY>8YX_?:RZRNX>XW64O=]\Q4GQDZ^;=!WEQ=WTX9J?C&FY?:* 4GIT:3N;!//D. C^MHO;J2^OWQU3I:)KV;Z^UC3GISO7G.5\LD=E(A>UZOH_2_G^/5YN533^SM M'O"6#X]Y^<=#5S?53]!#[<1X^.6EQ[V]OW"_7<9(M-XF0QE_]7X3/X;2M!RP M/>+OR_@E.]HME"_ERV:S1WE'O__4ZY?/*%[%=WE)1.4_W^+;>+4JI>)Y_*=" M>_LYRX'MW>ZLGWQO8OY$F7QI6;UC^5]_OBI-^T)]_'7Z'F5>YL7+;Y>T*CT M[C:K;/NW\% (=V^\)=\]9OEE7@XMGL%XFK_]&WZL3<31 DMX8(%4#I$L'#*H! M@TL'#*L!PTL'C*H!HTL'C*L!X],!@S<&3*H!DTMGF%8#H<.^%-.^ Z8/C6 MPO5W*]>_= YQO]@7KI;K6VIQXO46=PLN7KSBXFI)O807?-PMNGCQJHN]9IO'CMQ=WBBQ>OOK1,?>GBU9=VJR^]AI57&+-$-,"41S?7 MZ>9%2,OC"Z^L8U2V_%%7%9DF94#U\{3XZ; (8E] (<;K\%I5!3="3+$^?BV"9 M9\+?A,5SGN51'3Q M@X/3!WTE/7E$R4\>^.G_NG]]E1=GNCQ?5W?56?W\>E:E-\Z[\9R\%P;]7P2I M+PT%7Y6%=S_]W,#<=F%" RU& JL+,0DJX5RU$$S;K@MW.?R^Q[>]$%^\'N=KI8,^]NMPO3LKN] M+LX/=K?^Q?K!{@XZG?*6W1UV@IV]U61'?+(X_1;W;LJ3U?^U^2&0F$QB,Q)32$PE.8W$ M=! (S2,PD.8O$;!*:D!B"Q!P2,S._MV4709D=B$OF<]+!.0F$IB&HG]&.0F$EB%HG9)#8GL06).23FDIA'8CZ)\2060E@MNPSWV678>L%R7+K[6I7NJG:ENZ8,.Q!024TE. (S'!%2M_:;!?IG&__%-?*(,;IH#=.M,JKP"8QF<1F)*:0F$IB&HGI)&:0F$EB%HG9)#8GL06).23FDIA'8CZ)\206 M0E@ME8SWJ61,E9S&9'8A,9G$9B2FD)A*8AJ)Z21FD)A)8A:)V20V)[$%B3DD MYI*81V(^B04D%D)8+;M,]MEEPI.:<6KFN.>85&QU=%DJ#T61R4G-Z/4H4CP^3 MSBX>9^0S4TA,)3&-Q'02,TC,)#&+Q.SS33L<#OK22"_*9.23Z MDIA'8CZ)\2060E@MDD_WD7S;&LG(H1'3YLT%N>3:-A6E3<6&[5>@<:O$E,)K$9 MB2DDIF*81F(ZB1DD9I*816(VB4# M57[Z0&87$I-);$9B"HFI)*:1F$YB!HF9)&:1F$UB23FDUA M8B&$U;*+V-^GE_*W_F0!JO)]_.GH3TXOK&^KPXXOTP?]_E \]2VU/[NNJ0'5 M%%1344U#-1W5#%0S4[UV[)@?%)D0I_; M4<5'-1S4,U'!4" M5 LIK1[=CYK4Q=,H:?ONXW;@>7&R?B9?EHT!O97H>MV :C*]S5!-0345U314 MTU'-0#4U2Q4LU%MCFH+5'-0S44U#!5\5 M0+:,Z?K*1#L6+HDI5(MK[6GHR-V]U034$U%=4T5--1S4 U$]4L5+--1;8Y["U1S4,U%-0_5?%0+4"VDM'K..?2# MBZT-@7^B?(7VA5?:<9U '$$$LRH7VO)=:;5V'K&AG4=!TU5134,U'=4,5#-1 MS4(UNV'_3OK2:?!>.N>B:?N.SG>O@\[JHIJ':CZJ!:@64EH]OA\ZLLL/OVR) M[W,\?7D7)8(39XT-? >W#.X=S4I-1;89[']JJ*:AFHYJ:JJ9J&:AFHUJ:CFHUJ .B&EU1/-H6%<'&"%*I2+'-5D5)NAFH)I*JHJ*:CFH%]-M)JI9J&:CVAS5%JCFH)J+:AZJ^:@6H%I(:? 6<<-@L%U"_]$\0KM.*^T6O%*.M'(\'I4KM?\)+!.M.:*C_=RHD]!/-#.445%-134,U'=4,5#-1S4(U&!7FI]+9 -0?57%3S4,U'M0#5 M0DJK)YM#!]DXQ>I7:;!LZJLFH-D.U!=545- -034,0J2Z)5/U*.M0AO644U&M1FJ*:BFHIJ&:CJJ&:AFHIJ%:C:JS5%M@6H.JKFHYJ&:CVH!JH64 M5L\YTB'GM'I!>>>7Z5;O7.?-(9]?_0U$\^2!K&9USAFH*JJFHIE6:.#@ZO0-I M>/+^(!V=U$ U$]4L5+,;-]\TFIX4K]Y%ZCFH)]+:E[CYAV<;EX?G31 M9#2 MZK\]T!@NM3>&WT9)=%^^]^KM3V-O%SI'<_0[PE%MAFH*JJFHIJ&:CFH&JFH M9J&:C6IS5%N@FH-J+]IYJ.:C6H!]{:75<\VA2;VX2=6NAFC.(349U6:HIJ*:-MBFH;]NFH9J":B6H6]MFH-D>U!:HYJ.:BFH=]/JH%]!926GWG'/K5I?9O..]> MNT* {UBNMUCLHG=>NT&YT5%-0344U#=5I5#-0S.RT6@O<>-NVKMG M==-M<1SM 4M7%U2]M=L4TGHJ.]%=]#FCH*JJFH MIJ&.CF6I8BG#6]'1=.E-=% (+U>R&S=L_K5FA'>.HYJ":BVH>JOFH%C3MW)-U M#ZD97Z/Z5?88O[DDRX?"_9U\!U0\ MP9[P99/GF_7VYF.4#Q\Z^.3;Z[&PO=V]R:W-H965T'"3V\..8O?;,,=_SW62 M1^)3> /B1ZD&G (8\9ESHD9,:L[IP71VGD%%]+E<@\,E" MJHIP:G*JEJU<*:%* ,NX&GM=S,\]$$PV++>U,5#65N.!,P543G64;5TR5PN1DY MOO-\XY8M4V-ON-%P19*

*,7,IJ\)S-<+TG.@<@%V5/$!)D9:L#,,-D5 M$U3$C'(RE9K9KW1&KBA3Y)IR',CI! QE7+!#]KO9A)R>O",GEN1,*G--1;*' MKL&6K# WKN1?EO*#/?(_Y>*

*1@4C6H-3C1VS=^S_O0 MUQ*1R!H&A+4!X2'V[>5$M0;3UFS)T"L8[) ,,.NKVA^YZNX7=$K_KUS4-99U:-M6>>URCBC<\;9>6I35[)T&Z\.7LAKJ?%Z[?*ZM;SN07E? I<&8;,84&*@$S2/7 MD"R96&XEKDWN0=:_.73E'(FL8I*L-Z/V7Z/2.:<"1R!H&]&L#^O\[, F:<%@@RCOO8W>]W)[+ MB9&K8H>;2X/[93%,\40#RA;@\X64YGEB-\WZC!3][E!+ P04 "F-0%9-M :L5LU "$" &0 'AL+W=OL%/[9H5 MAO:EM>-[[!IZL'^/$:ZGN=-%@7H\WA9YXA3'+$]_7:0$E<=R"0)7*]9 7<=#X,@\DO*A)? $[MF52F)9&>#WOX<$U-M6Q3&/O"3>$D7< /F=GFE<..W+!DK06@F!5&03[S3WLET;.-=P%<&:]TQ)K:2 MN91W=G*13;S "@(.J;$,%/]6, 7.+1'*^-EP>FU'*']PD# (:QWPZ7[X#%*%*$ M]QR\OPWWT8C6C;!U(W1\ >>Y@;61<\@6S@R[!YAAH,F,Z91+72D@WT_G&(Y[M\D>7!W7202!>TY/])*F,/[@I0*_"UZ]Z4?"NRY$7(DNU]_ZT]'GGO0 M4]_=1;RL+'@2"6H"1\[IH@)HF[%HU;QZ$6:/OIK MT_=%;$D:M]+&SVCZAGWI.S_N.!F/C>R(V3'2WI@Cl/W\D2[GVG"(4=4<#S" M4E5]Y143(Y?NVIA+@Y>0&Q;XF0#*!N!Z+J5YF-B;J/WP2/X 4$L#!!0 (M "8U 5G7)I"#Y (*T) 9 >&PO=V]R:W-H965TV+,.4"BJ[?X,=V9< M%%3A5"2VG N@L0$5N>TZSL N:,.L8&36KD0PXJ7*.P97@LBR**CX,8&<+\=6 MSUHM7&=)JO2"'8SF-(S;4+? S*X$SNV&)LP*8S#@C F9CZZ0WG/:UO!'XG,%2 MKHV)]N2.\WL].8_'EJ,-@APBH1DH_A9P"GFNB=",[S6GU:C4P/7QBOV=\1U] MN:,23GG^)M5.K..+1+#C):YNN,+,ZC[,09&/)?F2Y:UK&.1J)2*%548+2@R M5OWI0QV'-0#RM /<&N^)=JZ-< X[I=^6X"%U)%@Y'@ M2R*T- ++I@8F^06.\,];/R8T2N)LA3@4AB&0!=;+(.9-*E'@&E"2'I'WC@+S'-MLTJS\%B,04?DDB7C)5O2W-:M-;G)B2 M^FA]TAN>]EK60^Q%JM;A-WW5R%Q2D>B YC!#*54[W" T657-0312?F^IWQQ76 M4C-.L9\"H05P?\;Y6DVT@J9#"WX!4$L#!!0 ("8U 5G9263N+@0 !08 M 9 >&PO=V]R:W-H965T\ M]Y+7NM?S ^.? 14J!:%^+0!0+*Y5R>YG;8I72@H@+*M]6E>K)FO"'12W?*-+.;< MDJ0F%;F-(?3M@F2EM9S78[=.\.6<]F65](["\=KFK/#PD+6<> NVZ?R M&K"7\RW9T'LJ/VUON;]S.Y4D*V@\,E8"3M<+ZPI=QLBO"#?BSXP>1.\;5*8\-M,/:YNOF0+"Q8K8CF=*4K":*^]O2&YGFEI-,QH16UNCDK8O_ZJ/YS;;PRYH$(M>L/RO[)$I@LKL$!"UV27RSMV^(6V!GF5WHKEHOX$AQ8++,#:"?L M 'B%5FK51>W]FJW\E9751KF77#W-%$\N[^B>ECL*[NB*;'@$[RG;<+)-'\';B$J2Y>*=@G^ZC\#;-^_*

*&Y"5X(^4[00I$S&W-MI5I@-8VI;A=SW2P&/[$8!WQDI4P%B,N$)AI^,,WW)_BV%/QU-M5UX+|-X,,,2N9CTW_T7/++P#$-=W1F?(_9H]?//O &4ZW59Q:SWE"K[<9JEW" MU'MTV^?LW!04?)"W$/[JH-[JN7K=*A9=B2U9T8:E<)RC?4VOY_7?(AS_I7&Y2-M+#(I%AL2&P3'I8+C3JD?S[',-PW1KXG5[\9^B9T0AWAN[_M^U#F12+3(K%AL0&S@\ [YX>O-M=/1#B\$Q*1;9%(L-B0V"@^,#111Z^]/RWS/Y!]&;(0Z,$H((Y&0)'&4 #0S#T-MH#=*-3H<\F<0ZW, ZI4L:-+2]ZHBEI2#FS0KB=;>2?YS-YQ1MD*Z'>9JIQP)3)!2I@D/WN_F52+C*K%IM2&-M83A5:,,A[K91@M((SJA8958M-J0U#=*KBT&0=,ID2_/.Z'7M^.$X)YS`0>B.M4\ (Y+)@%.!BGA'.8%_BS\7N"W>MR%I1OZO:R-"NV*V73Q>I&NQ;V5=VX'8U?-MH\L;I!F/JI9WW54]R3?]\H^$;I)2@)RNU53P8J8*R)L6=',CV;,;NL3XP*5E1-M7Z:4))17 /5\S9@\WE03='\$+/A%4$L#!!0(-"8U-5EM'B\ZF0, #X0-M-9->&PO=V]R:W-H965TV+;(]E%AZD7[-6B-MPCO8@/Q0W7$ULSN6G)1-!6$4<=@NK1OW.G4=#3-6? O(XBK.QTI%\/9I3[IE-M2\O1-X(^JDI(/HZP!*0C.I>-S:DEK=F1IX/CZQ-V*<5\X\8-%K5OQ%@-:-!IR-B,$I.\-^BTFA"!=SL,.RPA1P^?T!UG-M>9U)@3#-T0;X@60@T*L$)":%>*V(@'S8)>O7B-7]!"$5_!%DME*E8V%)=5A]!-M9^W%,IN+>5^XF(_>,RKW-J4TAWP$GUS&1Q?PM@I2%RGO%*E;IR+A;56]0K[S M,_(<+QBYS_IK\: (*.9Z!^V/N_+_3TV>?W@N&WY6-;_C\KY3-EK,2I8\2.,4% M6IMZ!8[^_EW9HW<22O'6.H.\F"<7&OCM:AP!DM+B9]050;6ZN5/;N2\'80[ME&3)E&3I1&2]# 5=AH)+[*<,C46_ 48&J'](#BO/C[W86]B"\[B.F 5>Z [, MDJ=F0>@X\[AOEHZ8!7[D1YU9S\NP\S*\Z.5&*G7!/$?5N3")5IC&G+_(][VE M-R59,B59.A%9+RE1EY3H1XI#- &6&IB1+IB1+)R+K96C696CV7"%H@,'Y4Z^>-MYC ;B,-3,S<.XB 8B,;3,W\^#^;>S@3B,F84S;S8N#0(R_E%+V^JJB 9UN\T M;T0%&=F2K'VG4F4H6%'KK5&5N$C\O34X)5DR)5DZ$5DO.W&7G?A'JD0\98;F M)$NF)$LG(NMER'4^-P?.F!9OL'JK7J_=D?5$-\>F__I, MWW36[S'?$2I0 5MUE',U4Z+&FV:UF4A6F6[L@4E5Z&:X5PT^<&V@\K>,R=-$ M'\]#]9;#Z#U!+ P04 " F-0%9J^U)F$ " O!0 &0 'AL+W=O$ \N,E-8\VQ@^VTX]]C.UG42=W@@9? X7ON>DWN./[*ITO>F0;3PT II%]2O MMKNDU)0-ML5,(?2K=1*M\RZ5&^IZ3?R*H!:09,HFM.6<4GR+,5=ZCQ3O15< MX]T&I'P(5UP7=J7VGW94-<4^'Y2B5,^,)^K(T(ME+VQJAW!KH.6RV\D#Z,/!X#X_!E ,@*2?P6D(R-X1X?.@]PELRS/M-[#]M6. MS0?!FX!V:KCTN[BVV]URA[/Y"GX05EFHK>;#V+5Q550B9@!LY'!6_<+!$ MR[@P9Z[D;KV$TY,S. $NX6NC>L-D93}]75.>FI9C]=# \DS#7SNY0S2Z TD-M47)^!%Z\#%]BZ>!Q@*=/X=19,?F13'XD@2_]BQ^U5BT42EKM#IK;$]M $78# M-? RXV!@P__.8W(' _#B_OY27IE,E+HB[=0;#DG^^E4\CSX<$_^Y7)9D4Y6 MI"^QYX4RUH!54/>BYD) .=1Q3/5 -0!4_N78Y7&S=!0$!7;\AL:H+)WRCK-NA$#;N14/M'!QZK91]-M3/REF=[(_!02P,$% @)C4!63RIAXC8 @ $P<-!D !X;"]W;W)K@ULE951;!HP$,>_RBFKIDYJFQ @L XB0=FT3JM4 MP;H^3'LPR4&L.C:S'>B^_B: (NTEL9V[OW]W]EU&.Z4?3(%HX;$4THR# MPMK-91B:K,"2F0NU04E?5D]7S-)4KT.STOM/+E##^ M";N];11 5AFKRKTS$91TVZ>IZ MW>XKNL14Y6TQN4+-98M!9X=R="/N1(*Z/KLF.Y_MN6EWJ[7OIVKRS%NS81E. M RHV@WJ+0?KV32>)/AP)M<$TSNFGDZ9\-3,N'.>443E$C5T.SYMW3;<6C#Q M@J[>MVE_2(;,%HI^0]$_2G$M,"HF!@U8!,8@G&?IS.IT"DHGMMZL6KU_@-2) MHG:DI$%*CB+=:V[Q7*U6Y@PD-4,"CJ;ZV*+F[0S)"X;SSOMVAD'#,#C*0)>& M.HH$?,P*)M<(FEF$>MS*,'B9AW;"84,P_(_K016%346U[3]\<362I/\/07C0 MJ$K4;!^,#?B;JGM6L]IT_$G=Z/Z;U[^+&Z,77!H0N"+7Z&) D>NZ!=<3JS;^ M[2V5I2;JAP7]M5 [_]^4LH^3=P&S7\P_0-02P,$% @)C4!68/S$@S=R H$[*ZE*:G"JUKZN%-#< M.97<#X-@Y)>4"2^=N+4'E4YD;3@3*"(KLN2]I<9<+F=>@-OO[!@Z\+8!3^= M5'0-CV">J@>%, [!3R5D)0C.IB(+5U+L=W.S&UMX9?&.PU0=C8B-92OEL)Y_S MJ1=8(."0&:M \,.!. ^#<"B'&KU;3ZXZTCH?CO?I"%SO&LJ0:IB3_SG)33+VQ M1W)8T9J;A=Q^@C:>V.IEDFOW2[;-;1)Y)*NUD67KC-0E$\V7[MH\'#B$X2L. M8>L0.N!F{$B* M9C#U\%)I4!OPTK=O!J/@_0GT88<^/*6>SBBG(@-"-9$KA, ^@7((BT< E*>K# M,01'3M>Z$T:#>(GOB;'HZXXXA/T8HIXK M4$+75GVP3:GQOB>P09(D _"<ZH<G9I$O;P*A$PYON_'HDKA%0M:Q_7 MZ(FC#K*AR$R: ?+.G DI-@6&789 2!7590L0:BJ,',N7'O!4R,,>(@[(<8=Q#C M_R@IO'/0W;D^A/%1.0V#.'SW#X-_T.!*4&O7IC7)9"U,T\NZU>XEN&T:X!_S MYAFYIVK-A"8<5N@:7"<80FI:CPW\, &@0 &0 'AL+W=O"=C]] M6.P%8S.Q4%GR2'(.B_GQ2QUBF29-6YDWR$T3N^3S4?I>D>)+2CE_R/(?Q9*Q MDCRNDK2X&"S+9YMRB1.V75.BLUJ1?.G*Y9D#Q<#<_#\Q9? X,EE67PPO MS]?TCGUEY;?U=41,QB.1%G*[PHEQ>#R8 LV"=W1=).67!"%B[0&X)%>)<+47!+WEHROH,M\49;9J M*_.6K.*I^4UP(H&M@I6L_0'(MAM!? O4"$Y,P3DU@MM6 MTTIAY)W'2AHGQ<_GPY+'K@C#>1OGJHEC'8ACD\]96BX+X]<+ME#4]_3U1\?]M![_KZIJ.!#/E)VYXYZ_G.75E:XC\WZ1FQC?? $,BR'?/OJD7<__4SN\FRS)C^-1 M(2F6-&=%^T/1X-DQ?')&#*O&VUO*6#O==OMOU:[@Y>W^R SU#,]-N=,4VRL M A/L,9_I$S'LE]}JBR P>WMIVC75/G1I5J /-_*E^8E? C^D=XR-(26Z>R&ZY M;_I4? WI@>8+\I]_<23Y162KXK^2]:}ZCC5Z/FQV)-Y^QBP(2%@N7W;'#Y M]^9(^,?*CDC81X2YB-A 1(6(F$1""9HU=EJU=\'1+Z_S;, [8HB"W>;8B]:!" M?EU7:N4=IB/+YW&A[+6O&NRHQE;W6?>7!LO;9!CGP_M===;U>:[Z7.NQ#ZGZY;>;Y-.LMM6 M"_],_217+&4W<:E2@JNG#K#L64I*,HYEBP93\4;6[(4Y'+V9"K'#;1GI*\2 MD+ (!!.4,-HJ8.15PO=Z=L 6'^@IR_ELAX_(-"T_+&C)R"V-(!0LYVRR M5\I7E!J?:3? 8B!MJ3TE<,2%%$@=@EB&&_%,-:*X;>LI F)TS*/^>QVWN1>E=:Q M=,U-IX\)146^99[- MOP!%WZX|+X)1\(B$$Q(^:2*BVX6$UN2K(0UPN>>]=+1AEAJW62/3%&UMEZ MDS33D3^;29@J[5/Y_.]E7-N OK.&H^%\9+C@:+=@0&2X"P00EF$;G$QE:+?A% M&;_XH+X@MUE^R^)RDS.2UZ-\EI--6EWY_#^?.X+JRYG_]H(LJ3SMM\/Z-O2 M5Q;' _K0@,'Q@"$T8(2BB=K8\1#-$[5!TW13C1&G2J1@:SMWQ."NI#@P:G!0VA02,4391/9Y*;6E^KLG!S1@O&9QUD MONN2LG8!8[%AL Q(SNXK#X]P0^.86CM0BQ1*\U]:X&%-; (7!T1;<585ERI.M M-J\$$]+4#1199V!:>KIS6IJSN;971K_CPM\)3.E>&23<>RZANQ&SO3I>POC MU+@^-&YP9XNJTIGA713.277I?P;Z!FOP:/2'WCOM4-.5 M11/3WMFNYA'?E3]ROJ9>66E6X$[._5@^^X.E&]%DZ]14>G,*HCU6+.LHB$Y5 M3,X[U(V%TB(43D?V2W=3T@XZ\ZPH"S*GZ[BDR<%11S90I7PC34SO M>$?&C X'C \7B1"M4G,;N>^FGK[E5\-)KE.:,IGQ@O"/XWK3\],(IW&&93F M06D^E!9 :2&4%]%HXNZVSO"U&M/P[;8?64@=/= :E>5":#Z4%4%H(I44HFBC: MSHFV]$[TUV:/(\VG<4)ODL8\K'4*=:NA-!]*"Z"T$$J+6IHPHS%&IC'9N0L5I=CYVI;>UZXW@QX:K_5U M>VL);EU#;3Z4%D!I(906H6BBWCHCW'KK[<(6U R'TCPHS8?2 B@MA-(B%$T4 M;>>K6WI?_7F\WBS+!*_79V #MB-O)YJ.QUK[DUV]8W+!<43P_K0L,&I84-H MV%@5UA1M'%$;G:]NZ0WF3XM%7&6=)L^/CKS.,1W4@H?2/"C-AJ*'EK;,^+%2 M;E!,'443-=GYZY;>7_>?I[_M/N*&5!727IY!:1Z4YD-I 9060FD1BB9JKS/Y MK?%;W^ AO?$9E.9!;3Z4%D!I(906H6BB:+L5"DN_0O&JAHR\O=N=NHIMY?HV M]E;BB6%]:-C@U+ A-&R$HHGZZ=9 +/T:B/^XCO.FFVM7N.KUS49!"_JDU-5T M,01*\XXYC;O M6QJ7O%OZ\O6;^M4'>EY?P4%I'I3F0VD!E!9":1&*)F]P6\BPS3>^V;.ARQE0 MF@>E^5!: *6%4%]$HHFB[98\;/V21UB-RER(+WS6MZ7O/GKKV&?3\=[=G**8 M:YV>[OWIF[._5P4=R<_[ZH^\=!;A"P\HHFICUG=>4Z'?@_]X\F?'I M7;MT:W4@1\4!2SY' <\/15MI,KWXHIRSD3OY*_^6'OG&?N"C]?PZNW.J[?U M7GT[O#3OE\MEEBSB]XJ.?C\"%4*&GWE:MXB<-,4BL!:KJC:*(2.F?>UCOSN_W\29<\U&*TCQ;86-/5;]!FN=0 M6@BE12B:**[.8K?U%ON+]S+;BCWGAF)S^DQ1T'3EC<>>HMQH,E)I0RYH.V.Y M-POTA]X[!5!W&T43T]ZYV[9^"_LUR^LW<:.9S1EK3\-WUX1DWU*F&TCPHS8?2 M B@MA-(B%$T48.=4VY.WGG$CC=D9E.9!;3Z4%D!I(906H6BB.#M[W-;[Q=7< MB]^":;]WQ3+6@HM0BU"".TKPCQVP?MLBA[0B@M!!*BU T\6V/G47NZ"WRO^CT MZ.E]U0>E>2UMWS?:WI[P%#1I :2&4%]%HHM0Z}!S1;^GO:2\Y\HYNZ5VB1XMX MQXOXQXL$^B/KG56H58RBB5GMK6+G=*OX1+1:Q]-ZM(BG*. (JS$)%,4@.>UCE(;W<&I7E0I@^E!5!.'*5%*)HHVLY@=_0& M^XNG=7IN;RU"G?8CQ^P^_=L-U[#Y2>W%MY MT WO4)H/I0506@BE12B:J,9N2WC8AK8C@-)"*'U"T43===>L@KGX=I!NV M>\^X]+3>RH, ^0PA*\Z&T $H+H;0(11/5V"W;N&]#B$7NL(#I7E0F@^E!5!: M'"5%*)HHVFZ%QJ6;\7]AZ(8NW$!IWT%CUICET'8$4%H(I44H6J.IX&PO=V]R:W-H965T9G=&&DW53CN?73A)4 &SMI.TTO[XM2&!9 GS#8QX^/S?MB MCU:,OX@Y@$2O:9*)L367,K^P;1',(;6BQW+(U#]3QE,IU2.?V2+G0*.B49K8 MQ'$",Z5Q9DU&1=D=GXS80B9Q!G<#689RK@FB7?XTC. MQ|; 0A%,Z2*1\VSU#ZP'Y.MX(4MS\8M6ZI[.A<+F%Q="Q=-U8$;9R55_IZ3L16 M-Z^K 5DW(.5WV5%!>4,EG8PX6R&N:ZMH^]88:M%:.P<69GI4'R=6_L6HG)P^2 MA2_G5VI<$;IFJ9IL08MTW;[]>T#GZ*&<,,2FJ*B-ON9%C4N=T%B^H=,;D#1. MQ!DZ0382<\I!H#A#CUDLQ8>M@F[SMA TBU3AR<[SR)9J+)K(#M?<5R4WZ> . MT!>6R;E MUD$T6YI6^6@2@39).**& -^7F0IY#H?$'&(AQX?;M#IR1>]9HD^^+]20BBS.9AIWG8(S[%]K,DK>,])?1-22L)P.'6\YB_ ZC?!'*_7;@004T^,5+9-"<'@?C83O(L (9'C(_M]#D!1(46*PXYXU*#153"P73#!IT_&'0L'NS4,NN8\U1HID!+$/7L*6=2]Y(5 MI3!'O>Y^'YIWSL-N!O>4.V*A5WPM7@^<@<72Z!*YM&F_< W?$XA%84_!LD"Y,: ME;QK148L22@7* >^E491^D](>FZ'^.#: M';#9'G])@N:<-ZPA[N676T:V.P:!VGC4<3]5F+2->FUJV"SK3R5,JD2VM3) MHV$'C9=:L,!!VMM//CX3HV\!fT? TMF|5A^I7.T\%C1!WX"GIU? MF90L+6[G0"/@NH+Z?\]8W#SH#JH#K&PO=V]R:W-H965TX>B,0EO4E55[OJ!N'H/'B3 -QU8FH;6/Y!QTY(-1D6]>P+V,Y\ MW\PW8XUGL!'R22T -'DN>:6&WD+KY8WOJWP!)54=L80*O\R$+*G&K9S[:BF! M%A94WVOPP&"C]M;$*'D4XLEL M/A=#+S ! 8=<&P:*?VN8 ,>&"/XV?!ZK4L#W%_OV#]8[:CED2]8"/Z#%7HQ M]-Y!((977%)$:?H-&3&+Y<<&5_R:.Q@#3RX0690/&"$6U?_TN WHG %$#B"[U$#>_%(/20.PTOU:NTWS!G)%? MAD0W$U6H/$-MNT-&"F_5TE@I\MT &9HKS;!LK]J3#Y1)\D#Y"A01,V(ID&^-_4=)*^0B;Z>@<M*>/]W<#7*,$X^=-R.,ZY/!$R!Y*BJ!4"2K"B@<^.EY?:\,WL?TM3D,=SD< MAV<)OZRJ#HF"OTD8A+$CGLE+<-XA06CAD4O.__>_;'W@V1${86*+%]TZD(M-MJ(3F0MW2+,843482]SX'N_YW!*BTQ/[PGZOR-7?LYC8]\T8M:0Y##YNB KD& M+WWS5[<7_-*<^VN235^3+'LELH,"Q6V!XG/LZ1U33U_]0HV_MGCS MSJS3H!/$R;FNFZM#H0FK=#DK%#3P7+3;PIV9@54 M!=DRX*Z&,4Y<_H- >_TBRVRSI'6EVF_6/4I.=8#NANM>]EVF>BTX]F/-]-.E MN":;]W/?^U[&:\$764TOLLI>LCI0VV_5]B]3FT6&Y"T^1%N@TOVJG&>*:R1Y M3\KZ=>B&I*!;Y6HLYYF2AJD: [*C"^!35]-6"RBYC>B&HN@C^WCQ1@IS;04Z1 M7*PJ7.\$]6D[*X[LB'1T/N[>3+J.\RG.EO4H^)N^^DR_4CE6."=PF*&KH-/' M^R+K8._>;+&TT\RCT#@;Y>4"YV.0Q@"_SX30NXUQT$[&UL MM5AM<^(V$/XK&K%23N9MI_&X#*3 3,'=M9ZZ329K<9P4+T,26J"0@_?>59&.P M<1S3JE] DG>? U3Z[>MOQ@:)7OD%{(@+<\(WQB;838WCH.7VY0#KE-MXC(+RO* MNV?3,=V)#!-TSP#?Y3ED?\]01@\3 MR[,. P]XO1%]P)F.MW"-'I%XVMXSV7.JE!3GB'!,"6!H-;'NO-N%%RH%+?&,_MT8&?M8%RY8725]7Y+9U8KIH1RM!2* @H__9HCK),(/]) MTIV$RLH052M(*[3#S0PZ^H=^A2>$N; W%<)W%()2(>AK(2P5PKX6HE)!N^X4OFOB M$BC@=,SH_3 E+=%40[.OM25?F*A$>11.?1523TP?15V^WPDU2F8TUSF'X0(7!\PP3\N:$!#DG*QXZ07JFY.F8#U!?]09L[_\WZ-MXEJ\KY$15/D5:+>O? PJ0OQ)QE@<8_RY+<@%3-@.HI;+6[Z%2SZQY'[(S=LC M;_K3#U[I_M+&L$FPQ"38PA8+19A%8NP"WWZ!R5[N3CEPH1<+>87M,:$8+)6 MG2UBF*8Z4,6R; (U2IX%KHV02+"G (@VF3L?]U OJT=C9G[-OR&*-.:AB/^ID M_RN#1'' _<,=(-Y 0&_\84705QW-M8GXITDRDI 5ES#6XN)0)AWXE4W- Q4+DXZ'1WHU6""LO*0/H;8O9QPYW(EZ-M4";!DL$%03=1DT1#![FML#RNVAU?MEXBD_7?*X>5>-!@U;ZW3_K5T]K&X,&Z0 MQN>HXG/4>1?XKF_M*+VYVR.F7R% ;XE WEL1^ (Q \\PVZ$V,DC)N7?A5QC8S4-ZWB(6^784-,ZX4LR+ST^YD>T&39I:K,;V M,&X_ZCS_Y+_?]SSOZ?XGWM4I9Q(M*=%]9,;1'0V;9!JR6N?\]%KS.A\@[U\P M>D; Z"O.*%I2HM4B$([.\]2,P/_Q1/-.,S3OND?:Y:6C9RC"RU49V?]0W N, M/L+Z&5V8,EI0!)Q5OW+$UKKLR,&2]H@H"A75.%7:O-,%O<;XS+N=>RWCB2[% MZFK;";ZHHWZ#3)Z1'&1H)4VY]D#>OEA1FBPZ@FYU[>V%"D%SW=P@F"*F!.3W M%.7BV%$&J@+O]!02P,$% @)C4!63J5N9DE! $Q8 !D !X;"]W M;W)K&ULM5AKC^(V%/TK5E1576F'/'E- 6F&L.U6 MV@H-G=G/GN0"T20VM0U, WUM)P0'F1!:]PO$SKWGYI0[_1SM*?OC:P"!WK.4 M\+&U%F)S;]L\6D.&>8=N@,@W2\HR+&23K6R^88!C[92EMN.IV2U%]K#GHPV> 4+$,^,.9,MNT2)-MDPP(3RA!#)9CZ\&]G[F!*7U3C;_QV'+4%T$*D5 06/[M M8 HJI#D=_Q5@%IE3.5X^GQ_Z+)2S*OF,.4IM^36*S'UL!",2SQ-A5/=/\;M%(2Z"B^B*=>_:%_8.A:*MES0K'"67Y E)/_'[X40)PX2I][!*QR_MM#J:V^15T)4H2P$DV\3 MZ2QSN#L73T#ND,+69SQ-@5$EV@.3!F]^6&,&O7\:?&L7_Z(,3SSNI0<)C/-=UR M3&(^LH6DISJ2C@HJCSD5[P,JOI&B0A5AS-"QQ@#7^8;_K\'?EK*6VGH';1^]-M1L#? MZ2#?.Z37WM(,<3[OI=73^6_39OXY>$<,O"\W7>/Y^A5:D M7^98"'+[2]).4Q0#Z/FS7N^P1&,+3DQ#YG%_]%#8)%IH$FQD"MJ^0B*,'1- *%/_]!D)P>O'+B8JU']"]N$D(2L5&,#++*&Q3E0^+&NSU!C@UBR9 M! MSL*X&4\OD;M(?CNS=]?:&XE6T[Y;:=QNU_Y5AHI2_HF_W@H53)3&]:A%> M6G2[9TI\D+ZP]WE5Z5RW"JQ:S)HL*7Y)KM](3NY- MEI H?!0A>-]D+B$1L1;1XI)+!_54;#X2I:#T]M!S=-4D+B]M\3X(*QZP=G M%=88_E8M6P2<&0I847- 8JCEL7'Z_ZQTSO'2XSG$7[AA9D6..HAQU967?VWU-P>[-6=&T<("_MK7^Z*GD=M<6LC!530;OY.#D5N:U7Z9:--P+>K+E)M+!`5]U;_]#=>.1+]6.\/EUZ3?. MY'+,40I+&T!P"@9! LA4 !D !X;"]W;W)K&ULS5A=\A*0,/=(I\,GTIT=*7O@6P"'!`HN\Y'-K M*\3NRK9YLH6"\$NZ@U)^65-6$"&';&/S'0.25D9%,KN.$](@%R4IK,:OF;MEB M1OMIXB[;,(6:1>S'=G "L27W2V3(fME2;_" M2H[1$C%8SZUK?!5C3OE4B-\S./*3=Z1-^ZPK@Q%RW;!^KP5D,6,T2-B"BW9U$L5,+I0QUBFYH(>N/DRJ#\:- Z!W2!5K(XTWT.B*Y17.QR^A4 K8 = MLD0^MX3!Q?V9_0A=YSE-:BYI> <)W939/Q)V"RRC"LT%1^\C$"3+^0>YT)=5 MA-Z_^X#>H:Q$OVWIGI,RY3- ;2#_5;NVD\6E9^^2^X).'/M-2;#F*RQ12C7'TT M,!\,V-LROFV0W;<@+]U!PE_VY27RG!%R'=?7!.?FO\SS2^2XE;FG<^?_K1Y_ M]^J=8'AMQ7D5G_<"G_$2^O-7N0+Z)*#@? ^F*I=Z.X!(KOB,)S"VIM%SN M":S%CS_@P(E)ERF39)%)LM@062>G?IM3?XBJ49$ZAX)RCL$.GO;T1 <*7+V<3%NGIX-.W\DP$19L1_*T M>Y#^!)TE(L1D@? K;\:^TU;.'C(2:5"3T U[8J-! MA3BI;TIQF/Z8R:Y(M,LH6FV+K9O;Y'HP'KV3?ISO>V1TF=##N MZ\XY:CIUQWW=.4?AB8?/A$<#FT[#_K7)/NE!%< V5?./2\?VI:B; ^ULVV"\ MKMH]O?DEOKK!FOE(-22KGM&ULK59=;]HP%/TK M5E9-K=213T)A$*G IG5:)01MJ$#MP4T,L9K8]>U NU_VPEI"B%;*W@@L7W/.M\3W'=GR'&\H>>(R0 $]I0OC(B(7(!;)PQBED'=HAH@<65*60B&;,&7RC"$8 M:5":F(YE^68*,3&"H>Z;L6!(HX1N1H9M;#OF>\4+U6$& MPPRNT *)VVS&9,NL6"*<(L(Q)8"AY8,*O5T%5] (SZ[_P:,,M0P0YES0M 3+#%),BB=!*GVH 21/M,\ D4-B@3?@8^-0U?0D!;MQY/CM M8@L3\["< $W,0TYY!$?&@*F,":-Q@S+9,9%.LZ!9'QP38F(.?A"(A2|QIM2 M6*7.V:H,.ZV5WW/2 -YUKA+U&O*9_N>=(#E:+C,_)^VPZ5'$NYJN-.BQJW6 MRM5\[@&^+X\Y%L_G8)) S@%=@AMYT'G.GD&QBK]^2 "X$BCEOYO,+]B]9G;U M?1GP# (9H9,@/"$=LC8S@XP?;MSXW.7=,LNF1R%ZYZE6N>FWLY0E@+UL*[;X M.8"YB"G#?U 8IS(IL,;25_JZG'))L69+XF4U__==*UU&]HKAOLZE9V==OM MBJ&>Z^ZS)H8*O6\0@#Z[GU/ KM^V%]W\+F]9F\]ZMXE?:_5;M-M=S#)D3IX?\)$*$!(>,>,6\?<6PMJ?)/H[^O>CO+!EJNMSORO6Q-L_Q >),_7*G^,_M5!V!R:I^,FH'Y_ AZ>U!]MBZ%+7 #OI8WLP*6J:%Y]BPI*WQ0H3#A*TE)6IR=W.BNJE]A:*;O M\7LI9%6@7V-9Z"S[F.N3XDE*Q;,@)]MQ^ M02P,$% @)C4!6?X.NTW(.M!@-^"\ !D !X;"]W;W)K&ULM5I=;]LV%/TK MA%<,+=#$$N7/+#&06"]6KAV*IMT>ACTP-FUKE4B/I)QDV(\?*2F6*3,,W=V\ M)+,$>>Z]NN?(AC\3S.RZ^R16E"MWG&9.7G952Z[-N5\Y6- ?RE*\TV<67.1$ MZ;]BV95K0M,5LMCG\3DG!9&N5%"GTUUG)IM7;] KE+T9<4+2=A53FI"NL ZP=G M ^-1($(?.5,KD1(VIW-'?.R/"WCBN[K8;<7XL>(K[5\7[!3% 5O$0YPSW$] MT^?"LU,4X#(U3?'A6[1XWL M48E[%-Z.LHKM;XOM>XN-4SD35%6UTGL]"T]*7M]21A>I>N,J0,(;[%S%26_0 MKMLQ*!J/6V4[!N$!QIVR]T=%X;COKG]PK7K@K5K_^/32R4D6#S:HVF\IP) "2W*QUO*QU[* MIRNB9V>/5FQ(5I!J!9WI3]A,^>4XNXJ+M1_&O M=7129_Z67[T92W*MF;Z)C^P"%%M=HEA;C87LE M4(_:G1/QZ"F&=_Q(^#T,<[6BHKSSM3E45+@Y]4(? S2DD6ERC69R&4=#F%"BG M33YNR,=>\C^DY#;-4O6 %ER@0BN(T(:P4IPUEZE1%S?S>'^2"<-Q>T'F3W\T MI09+Y8Z$6>D1)S6FN(2&\+ MY5ZDU,DL98L&PS;/WDLZFN=#<'2H1$YDFE(9/>DSQE MU;+C[@%=,ZW-C&3H,\U05E!THZA=2!$_+F.5FM(M/@9'G" Z16@A?+E7D4 M@UTK$*@KLGO5F,O0[RZ? [=5&NR!>2/-[,%Z(%&K%A99X*DOUKV9<+4KE(6<# M01TG%K\##DX"(>[#*70]R4N@KLAN8.-=0[]Y^2<<%39>L?#AW63?G ?V+KLVR MB+D>I5[Y$8_N'"*A5!45+H- #LWC3V-QR]Q'/3$-3^@]+%H&@)%)K=G\8KAWZS M?*.(*A07#]ZGIWZ0H]L!:H9KM"K.6N_O2 2FJ_2FG\,/[:L92#HL6@: D4FMV9QD?C\"44"H- ;;%"T&!0M@4*S^]-8;>RWVH;H&@Q*%H"A69WIO'L MN/@:#$H6@*%9O>G,?O8,W(/5"A0%P^*%M=H;85[OWF$2FKSW!AU M/[>B3RG4^\M/E[\Z*0?UW:!H,2A: H5F=Z9QX'CX(@H%ZL)'T6)0M 0*S>Y/-MX*Q_RWT@0H%:KI!T>(:S79Y4;_]=!TJ]VIQ!)6TXKF[LY,YIV9:B&7:,8+1J!=K=NCVVWJE^7F[-;QJ_!L&CJ. MQ^%94FU";^"K/?$? B5BF3**,+G2]X'2H"Q?5-O/JB^+K*Y^7%25S M*LP ?7[!N7K\8A)L-_M/_@-2O)N%1H I P 30H !D M !X;"]W;W)K&ULK59M;],P$/XX5! 02&QY3[EH M(ZTO")"0)@;L ^*#EUP;"\9\;<.7PELY=X8F4KN./]A)N_+B1>8A(!"H0P# MU]\-S(\20Z33^-EQ>GU( ]P?]C?VMIU+7=8PHS36U*J:N*]IE)2]Q0]8EO MWT%73VKX"DZE?:)MYQMXJ&BDXG4'UAG4A+5O?-_IL ?0/&Y U &B(2 Y H@[M0/S8"$D'2!X;(>T MG2_K=T*-\<*YV//!MT@8;\UF!E9]B]9Z$6;6R8T2^BO1 M.)?? 6B6A/+0:@-+]U46(!$9VB&:=%0;-O)E^B8XXLY*$R1^0 MYXHW$-2CGVED$4A_;)+;-HF%AU)+$8?.5.1 M60NG ST_CLQ-X7XO4*Q?M ME)I&)PD_-.P)^V<26+SI" MM\""$;.2Z!I$NQ+0MZLIJ83>^-]=S6[I$C>=^1E>RC4N8.+IOYT$L0$O?_XL MS((W+J6?DFS^E&2+)R([Z$G2]R0YQ9Y/L20%VN[V*>[V:*

<'K6F_A;E/JHT{J MO2-U\| +LC_=+6LC9;...:XV>3A$RSUV-_L|\,EUN41!>';G,C6Q8'AVX+ M)UL:C7JW VG27IKTI#2+Y5(?3.8W5A+:F*,)P<'^&]"%\(;[$HY4-2I'!G%6;I M0 B7TT4\D,'A%&0#K18.IRA+W!)DO03920ENCZP+O1:ZX9F19(;L/4/JR5S M-6X4#^J?N=SB+(H&,CG9LHNA4$ZVT44XD,K?.Q]K$"Ml,9&Z[(:II_76_N[MSY4]\@?V;7@Y"QWVN;XKM5>;/_3M1>LC%BO")**PU*&"\Y%,5K27EW;B^-J> MSG=#BM]WP-A'/3W)>=J-S&!^AMD_AM02P,$% @)C4!6>!#*[*R M P MQ(!D !X;"JW;W)K&ULQ5A=;)LV%/TK MA 8,*;!&_Y(9AMP+ WMT'9&@JX/PQX8Z=H6(1$;2=G)OQ)*:H4*4[I$.46*N%GMNRU8*6(DL);!GB99YC]G@-&3TM\+==ZFKA) M]P>A)NS5HL!{N 7QI=@R.;(;EB3-@?"4$L1@M{36[E7D:H". ^#.%$V]=(U7* M':7W:O A65J.6A%D$ M%@>77$3:098I)KN.?FM1J#7 -/l[,P0U(/C>#),:H$NW]]IUXT(L\&K!Z DQ M%2W9U(7NOD;+?]5$/2BW@LF[J<2)U5?=24C.UT=@\LE MP?,@*-S!|DSAI6* MZ"P$@=.,,OY.S7-]>V$+F5@QV7,>YKO)X+ ^3QT2=*Q(&CB"20#.##AOM#Y?R_[-%_SMYIAM\\ M!:|F'"U(@B_(BHX@U1X>43MNBQ_U/]$68+^^B@IT0@+ MM28B/4_2K-0&RB$N62I2Z;OP$&>E=#"T8S1'L=2W%)6\=(<_,Y*2/4<%L,II MT5EEN.^&=*R6,-%+4'\(C]NYI[TT>-B/.W]Y]YSP?)3K1Q&Y!|T>$KX>$HV&5!VR6QOQ'-A>GX!P M66!)1+4,:V:,4Y:U/EMX-G_M7FW<@?E0G0"<% %,!OZ.4O$T4 F:LZK5OU!+ P04 M" F-0%9',UND5X" !J!0 &0 'AL+W=OW.326#AV\-DM_/O9 M3IMU$NW;7AK?^:[OOG/|:.5LK_4PUHH'71DB:1+4Q[44<4U%CPVB@6I1NIU*Z M8<:%>AE3JY&5 =2(.$V2\[AA7$9Y%G((.L^4-8)+?-! MFF8?INB4.M)=!9M M$W. ^K(U/Q'G6LB4^HGE]'[2+XIZEY U*XDJ"QFH279Y=3,> ^/A3\X+BFG37X M219*/? M@5DZBQ M"@87Q#.Q15GB%0G@B)^-EPQGU+3UP=[UEOPFUSNUD6C/!* MB9^\-/4D^AQ!B16SPLS5^AMNY@P""R4H_ *ZJQVICH4EHYH-V.4-EIV7O6L M80>0IGL Z0:0!MU=HZ#RFAF69U]M0?MJQ^878=2 =N*X]'_*H|%NESN\4 M$1S/L5 KU&\G4&G5P W7",?7:|@7=_)'P"5|KY4E)DO*8N/Z>G1<;'I,NQ[I MGAY#N%?2U 1? 98GEO_C8Z>U%IUO1T_0@X:T5 TC24TB3= A/C]=P?'1R@'?8 M'\8P\(fV\/JYWQOO(,K;YH):5N D+TL#,8'/JD=^'LC] [/*TW&29/%J5U"\<_\; MU,O@Z97G))(+!RT&3PR0G0G;. [P*@VN&FA MC/-F6-;N,43M"]Q^!939!KY! [SF?P!02P,$% @)C4!6:J0.Q-+ P M10P !D !X;"JW;W)K&ULK5=M;]HP$/XK5E9- MG=0U|RFE@%0({$6KAOHV3=,^N,D!U{XLYW2_OO93L@(36G9X /8EWL>W]WC MV$=O2=DOQ@ 0Z"%-,MXW%D+D7=/DT0)2S(]I#IE\,J LQ4).V=SD.0,<:U"; MF(YE!6:*268,>MHV98,>+41",]@RQ(LTQ>QQ" E=]@W;6!DNR7PAE,$<-]'(\ MARL0-_F4R9E9L\0DA8P3FB$&L[YQ;G XSP"< M"N"\%N!6 />U *\"> *|% ^!7 ?RT@] !.;3+,LEJYTB 4>]!A=(J:\)9I..:+DT M6A;89&IC70DFGO*)$X-AP;6%HPO*B('ZOO&#OPS1#)TO: %QUG,C]!!8JXSA0Q/+6)&52AA&8KS3"BN7"H3"%[& M60QQ$V_*M.K"^%--Z%Z_F0)O^=6:/Z;KVS7,WKOK2SSJ/?!>%$;YP? M7Z0-?1*0\I\MH0Y+2J^=4AVR79[C"]J&/$4YL'LP\JI^UEF;HOLD"_=)-MXG MV61/9 V1O5ID;QM[Z_%O)%]@ 2QGA ,ZQ4D!;4]7O+:EB=?U=5_PK/+3,^_7 M9=P;P;XR]I-LO$^R24D6K-7#.6E4HR&07POD_X- (WG(DQBJT_R:X8S/@+'- M4[=4]ES 7Q?*2_5UKKG/=>MWH9] M:'=' =HL]M+OCLJ?I2U\VV/*NG1/9&"4PDTM9QR=RJI"R:2TG@N:ZRJC0K9I_M>KB0?3XPY2"?SR@5JXE:H/IG,/@#4$L#!!0 ("8U 5G&PO=V]R:W-H965TTH- ;%>DJK8&6020XB:/H MD@C*),I3,+?6>:H:RYF$M4:F$8+JIR5PU65XB@\3=VQ?63]!\K2F>]B _5FO MM8OA(Z%(R =(P)9&&788_31?+F<\/";\8=.9HC'PE6Z7N? 7!;9CCR0,"AL-Z! MNE<+-\"Y-W(8#X,G'K?TPN/QP?U+J-W5LJ4&;A3_S4L;9?@:HQ)VM.'V3G5? M8:AG[OT*Q4UXHJ[/31*,BL98)0:Q(O!,IF_Z.'R'(T$\? T$0#X(XJ0]MG.S0]"J4'MX)CTA[*QV[TRI{YIMD:>&A 6O2Y=4^#WJ_4L;-.MAY18MX%/(\5@MNS-XA?,OC\@I+I!8JC>(;>(H),1368YT[$(8Z<|<@9!^O9 M*SE/P9UU\- V],#4M(,.N?0WH%G#^[LWT,OIXAB\9^9+@GKR2#_WY[C+0K05A M_IZ"3?X#[&R$G9W]F"O6LA)DZ0Z;250]SJDV] ;=G|?)D^\=KX.CO^EM'DVB MJWE*VF.0[&6!4'1_E\Y_/Q<7[H%6K)Z=6_M4N4L4BZ*OCM3*G_G><5D1E-2G&4Y%1I),ID2L;MRZA6YI"0NP"GE7KO5"KV4 M,.$.>F*>CE)5.)- L+E3?]5NUS3&GC[&VAF]=Q_-LYCVW9N3U]_FF;IXY9CS MT9NCH];-Z<6V_:0$3EW/2G]^!^E9^^?5&$8=[D>]DQLE[VR2K\8?:[+:^1AS M[MJ5_?Z)I+(&=N&MA-ZR-IN.?2<+\?;=M. M>S62"&^#["8.+&O>++A9;_ ;3(->DHEF3P6N,6A>DE+GEO"^.R2F3EY\PRR>YT-"B5B390Z3]W5"HV6;=\ER2_ MI@NU*J=%@FMN'Z#F?YOG*154$KXN6M? ^2\|RDQ4'G>>27%Y5M@5;-58/-B]= MY/DAB P/0>1!U&3W$$1&!R"R\|VQ7S<>(I]!9/L01 8O7V3P.O>-5SWXKCU=_M;SQ;UU8'WF'Z[A=X% ^)-4&<\9UPQ4?5F+(ZI>/" (K>D5&7.ZR;_'QS0APA"^=C9,&WA@<2#2XW*-KS9>(;OK %O3 M716"S12O1&RF>*X!L><-/*+(OMI8'/# 5@&K'8AOCP,U9?<) EA53!NV@W$D MBC $;M%>HV& (9">$CWUJL%T2!%%D1P"S*P@"#('(="B",8 M" (4%0W@>WID?> MZC[E-7_1#_X"4$L#!!0 ("8U 5F7BKL*

-8?20$3;8T.P M6BP^0"X99K>]9!:G

+$\\W8[NF+TL\+I9[9:YX5 M9C)8E^7F9#@TR5KDW/RE-J* /4NE[<\WTT/V@2I&44A6PT6YXDN+%_-EO/[*M-'(A,UF^30;U^TP,6"X+FJ5-\E)\TZK:R&)E3P-7,70NHVZ' MW6O3B"2Z_S2C6BVE([8JI7)1E$T[:I%9P,*LY<8,6,%S,1ERJV^5W/+,TGUAO$C93;%U,3&_C(D% RAP"1-HM5R MF$W&Q#JYA;O9IL'4,29VQS>ETA>992X/9HDQL29N(+R-W2\RN6KVNVR8$,;D1LAS6=86L/T/!%%"KBZ*Y-UCC_E@3"R$ MJ= 0)6R% ?'!E+IZ'\X\S ,>L0<>!,0)"'+4/(E%@* [O?1<-$X!&+8%ZJY/GH M H)&6F?NHC#U0>SJU;YW,=%R@U@(-2:TWZ,2R1I@K597FN^2OK3JA82KPB%7P0\C5&K*XHW,H<*&\;,+,%AJF!H_8#;?*0 %ANP3@O7UF M2ZUR=BU;>,'"R<(CEL5%960A !+ZQ4(6'X*RAPG#(Q;&O%H0\;.R0?EJ^S[6 M8;,PB&TQXV!L;IA,Z/KKMEB<2I-DRB;9+B2F"X]8%^ {F0K-'C5/P67LW-IW M]2$'IC%I^,320&N<5B'F8P+Q^ZDDV*=#B"MUL0$XO=94,1;$QVQ.EQ%L6O! MSRX;Y4/_(*5%)Q;F$?] -48G&.8/_]#%1B0284@+J61#4? +Z+B4Z#4,^#H)B!BXG9)[">#4$O0Q<3>QB8@H*R*L;)WEL@E#+/2'FGI#8/;^SQR-V9Y,. M6N>=(C)AX0F+Q _=X7940SMEWNT*BREF]G9K6;ULW'7-0 M1.R@;LRFFX,Z74S,0A&QA;HQIV(IM!9I"Q-=^D5L(7Q4PRUP(\Q"$?6,#8KI M%K@19J&(V$(XIEO@1IB%(NH58"BF6^#&F(7B7D?KVKH1L3$$]?B&=8'F[/3 M5"SAPM, I,+V!{0D)XC/-[$N]9LT+0KMN;5EEF7WZ[XM;Q=/=WU!V?Z$Y^Q=0 M2P,$% @)C4!6;M)TM]B @ M"X :H :X;"I?QIVAVY8?)R.YV%=[<>Q ^U'7PV9? M3LWPT',E?+FR;? M3,UZ6_;[NFLU[LRNU+)=1]_G^YF+U\^N_,_$=KL] M;,K/=O/!5,[C/P;7?]K^?=B7,E;+UZ;?E7%=U1_'V^FAOA[2PV5RM7AY6U?] MRUNJZKF#!()D_B'"%()T_R"# (Y@]R"/+Y@P*"8OZ@#$%Y_J 5!*WF#WJ$H,?Y M@](295P2)$VP)M Z(=>)P.N$@"<"L1.2G0C,3HAV(E [(=N)P.V$<"<"N1/2 MG0CL3HAW(M!,4&\AT%M0;R'06R8OVP1Z"^HM!'H+ZB5=>OJ+01Z"^HM!'H+ MZB3*>OJ+01Z"^HM!'HKZJT$>BOJK01Z*^[M!'KK9+.$0&]%O95 ;T6]E4!O M1;V50&]%O95 ;T6]E4!O1;V50&]#O8U.T.]C4!O0[V-0&]#O8U;YML=A/H M;:BW$>AM]+<1Z&VHMQ'H;:BW$>AM]+<1Z.VHMQ/H[:BW$^CMJ+<3Z.VHMQ/H M[:BW$^CMDX^5!'H[ZNT$>CO]!01Z.^KM!'H[ZNT$>@?]'01Z!^H=!'H'ZAT$ M>@?]'01Z!^H=!'H'ZAT$>L?D9Q,"O0/U#@*]_4. KT#]0X"O3/JG0GTSJAW M)M [HIZ90.^,>F<"O3/JG0GTSJAW)M [HIZ90.\\^5F00.\|^5F00."O3/G;]3 M[V\/);AUO.UAN>OOI/]\7)ON3W^NOPZB3BOKCC7!Q7?#\U]02P,$% @ M)C4!6=TG:PL8 @ A2T !, !;0V]N=&5N=%]4>7!E&ULS=K?3MLP M% ;P5ZERBQK7_S=$N0%N-R[V EYRVD9-8LLVK+S]G!20-K$*5*1]-XU:V^<[M\9%^5[WZ\10H+0Y#/Z9UMO<:E375[>T<0}]?MP=RL^I\^.ZBM2G:G%SW#AEK2L70M\U+I=U M]CBV?Z4LGO/]DW9=2!=E0\7>3)A6_AWP?. [[(\78M;2X=S%_>CK8]&+T\FYW# =/_G9^7-9 M4X%EYWWT(96)1?IXW.M(IM/+4 I1S-W15WQ-+*7/?C^:1MU2^\]L,+2!]?0?K@*Y1&4$3E M**1R%%,Y"JH<156.PBI'<96CP,I19!4HL@H4606*K)%5H$BJT"15:#(*E!D M%2BR^A19)8JL$D56B2*K1)%5HL@J4625*+)*%%DEBJP215:%(JM"D56AR*I0 M9%4HLBH4616*K I%5H4BJT*15:/(JE%DU2BR:A19-8]L&D56C2*K1I%5H\BJ M460U*+(:%%D-BJP&15:#(JM!D=6@R&I09#4HLAH462V*K!9%5HLBJT61U;+(M:E%DM2BR6A19+8]LJG_*^M/[_2?'S\]Z<-WXDL_F?U]?_P902P$"%,.4 M" F-0%9!T%-8H$ "Q $ @ $ 9&]C4'}O<',O M87!P+GAM;%!+ 0(4 Q0 ("8U 5D4U/?X[P "L" 1 M " ;\ !D;V-0&UL M4$L! A0#% @)C4!62,HG@8F!0 ,!4 !@ ("!#@@ M 'AL+W=O&PO=V]R:W-H965T&UL4$L! A0#% @)C4! 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'AL+W=O&PO=V]R:W-H965T&UL4$L! A0#% @)C4!6:OM29A @ +P4 !D M ("!IT ! 'AL+W=O0P$ >&PO=V]R:W-H M965T&UL4$L! M A0#% @)C4!6>Z'H_ # !H$!D ("!04D! 'AL M+W=O&PO=V]R:W-H965T&UL4$L! A0#% @)C4! M6=77?U=#! +!8 !D ("!2UX! 'AL+W=O&PO=V]R:W-H965T&UL4$L! A0#% @)C4!62&2Y,4@ P 1@H M !D ("!<6L! 'AL+W=O&PO=V]R:W-H965T&UL4$L! A0#% @)C4!6>!#*[*R P MQ(!D M ("!)WD! 'AL+W=O&PO=V]R:W-H965T M&UL4$L! A0# M% @)C4!6=R_(S@+ @ N00 !D ("!)X,! 'AL+W=O M&PO&PO7W0E];',O=V]R:VJO,VLN>&UL+G)E;'-0 M2P$"%,4 " F-0%9W2=K"Q@" '"%+0 $P @ & D@$ I6T-O;G1E;G1?5'EP97-=+GAM;%!+!08 5P!7 -@7 #)E $! end XML 96 Show.js IDEA: XBRL DOCUMENT // Edgar(tm) Renderer was created by staff of the U.S. Securities and Exchange Commission. Data and content created by government employees within the scope of their employment are not subject to domestic copyright protection. 17 U.S.C. 105. var Show={};Show.LastAR=null,Show.showAR=function(a,r,w){if(Show.LastAR)Show.hideAR();var e=a;while(e&&e.nodeName!='TABLE')e=e.nextSibling;if(!e||e.nodeName!='TABLE'){var ref=((window)?w.document:document).getElementById(r);if(ref){e=ref.cloneNode(!0); e.removeAttribute('id');a.parentNode.appendChild(e)}} if(e)e.style.display='block';Show.LastAR=e};Show.hideAR=function(){Show.LastAR.style.display='none'};Show.toggleNext=function(a){var e=a;while(e.nodeName!='DIV')e=e.nextSibling;if(!e.style){}else if(!e.style.display){}else{var d,p ;if(e.style.display=='none'){d='block';p='-'}else{d='none';p='+'} e.style.display=d;if(a.textContent) {a.textContent=p+a.textContent.substring(1)}else{a.innerText=p+a.innerText.substring(1)}}} XML 97 report.css IDEA: XBRL DOCUMENT /* Updated 2009-11-04 */ /* v2.2.0.24 */ /* DefRef Styles */ .report table.authRefData{ background-color: #def; border: 2px solid #2F4497; font-size: 1em; position: absolute; } .report table.authRefData a{ display: block; font-weight: bold; } .report table.authRefData p { margin-top: 0px; } .report table.authRefData .hide { background-color: #2F4497; padding: 1px 3px 0px 0px; text-align: right; } .report table.authRefData .hide a:hover { background-color: #2F4497; } .report table.authRefData .body { height: 150px; overflow: auto; width: 400px; } .report table.authRefData table{ font-size: 1em; } /* Report Styles */ .pl a, .pl a:visited { color: black; text-decoration: none; } /* table */ .report { background-color: white; border: 2px solid #acf; clear: both; color: black; font: normal 8pt Helvetica, Arial, san-serif; margin-bottom: 2em; } .report hr { border: 1px solid #acf; } /* Top labels */ .report th { background-color: #acf; color: black; font-weight: bold; text-align: center; } .report th.void { background-color: transparent; color: #000000; font: bold 10pt Helvetica, Arial, san-serif; text-align: left; } .report .pl { text-align: left; vertical-align: top; white-space: normal; width: 200px; white-space: normal; /* word-wrap: break-word; */ } .report td.pl a.a { cursor: pointer; display: block; width: 200px; overflow: hidden; } .report td.pl div.a { width: 200px; } .report td.pl a:hover { background-color: #ffc; } /* Header rows... */ .report tr.rh { background-color: #acf; color: black; font-weight: bold; } /* Calendars... */ .report .rc { background-color: #f0f0f0; } /* Even rows... */ .report .re, .report .reu { background-color: #def; } .report .reu td { border-bottom: 1px solid black; } /* Odd rows... */ .report .ro, .report .rou { background-color: white; } .report .rou td { border-bottom: 1px solid black; } .report .rou table td, .report .reu table td { border-bottom: 0px solid black; } /* styles for footnote marker */ .report .fn { white-space: nowrap; } /* styles for numeric types */ .report .num, .report .nump { text-align: right; white-space: nowrap; } .report .nump { padding-left: 2em; } .report .nump { padding: 0px 0.4em 0px 2em; } /* styles for text types */ .report .text { text-align: left; white-space: normal; } .report .text .big { margin-bottom: 1em; width: 17em; } .report .text .more { display: none; } .report .text .note { font-style: italic; font-weight: bold; } .report .text .small { width: 10em; } .report sup { font-style: italic; } .report .outerFootnotes { font-size: 1em; } XML 99 FilingSummary.xml IDEA: XBRL DOCUMENT 3.24.2.u1 html2273541false700false18 falsefalseR1.htm0000001 - Document - Cover PageSheethttp://www.cognex.com/role/CoverPageCover PageCover1 falsefalseR2.htm9952151 - Statement - Consolidated Statements of OperationsSheethttp://www.cognex.com/role/ConsolidatedStatementsofOperationsConsolidated Statements of OperationsStatements2 falsefalseR3.htm9952152 - Statement - Consolidated Statements of Comprehensive Income (Loss)Sheethttp://www.cognex.com/role/ConsolidatedStatementsofComprehensiveIncomeLossConsolidated Statements of Comprehensive Income (Loss)Statements3 falsefalseR4.htm9952153 - Statement - Consolidated Statements of Comprehensive Income (Loss) (Parenthetical)Sheethttp://www.cognex.com/role/ConsolidatedStatementsofComprehensiveIncomeLossParentheticalConsolidated Statements of Comprehensive Income (Loss) (Parenthetical)Statements4 falsefalseR5.htm9952154 - Statement - Consolidated Balance SheetsSheethttp://www.cognex.com/role/ConsolidatedBalanceSheetsConsolidated Balance SheetsStatements5 falsefalseR6.htm9952155 - Statement - Consolidated Balance Sheets (Parenthetical)Sheethttp://www.cognex.com/role/ConsolidatedBalanceSheetsParentheticalConsolidated Balance Sheets (Parenthetical)Statements6 falsefalseR7.htm9952156 - Statement - Consolidated Statements of Cash FlowsSheethttp://www.cognex.com/role/ConsolidatedStatementsofCashFlowsConsolidated Statements of Cash FlowsStatements7 falsefalseR8.htm9952157 - Statement - Consolidated Statement of Shareholders' EquitySheethttp://www.cognex.com/role/ConsolidatedStatementofShareholdersEquityConsolidated Statement of Shareholders' Equity Statements8 falsefalseR9.htm9952158 - Statement - Consolidated Statement of Shareholders' Equity (Parenthetical)Sheethttp://www.cognex.com/role/ConsolidatedStatementofShareholdersEquityParentheticalConsolidated Statement of Shareholders' Equity (Parenthetical)Statements9 falsefalseR10.htm9952159 - Disclosure - Summary of Significant Accounting PoliciesSheethttp://www.cognex.com/role/SummaryofSignificantAccountingPoliciesSummary of Significant Accounting PoliciesNotes10 falsefalseR11.htm9952160 - Disclosure - New PronouncementsSheethttp://www.cognex.com/role/NewPronouncementsNew PronouncementsNotes11 falsefalseR12.htm9952161 - Disclosure - Fair Value MeasurementsSheethttp://www.cognex.com/role/FairValueMeasurementsFair Value MeasurementsNotes12 falsefalseR13.htm9952162 - Disclosure - Cash, Cash Equivalents, and InvestmentsSheethttp://www.cognex.com/role/CashCashEquivalentsandInvestmentsCash, Cash Equivalents, and InvestmentsNotes13 falsefalseR14.htm9952163 - Disclosure - InventoriesSheethttp://www.cognex.com/role/InventoriesInventoriesNotes14 falsefalseR15.htm9952164 - Disclosure - LeasesSheethttp://www.cognex.com/role/LeasesLeasesNotes15 falsefalseR16.htm9952165 - Disclosure - GoodwillSheethttp://www.cognex.com/role/GoodwillGoodwillNotes16 falsefalseR17.htm9952166 - Disclosure - Intangible AssetsSheethttp://www.cognex.com/role/IntangibleAssetsIntangible AssetsNotes17 falsefalseR18.htm9952167 - Disclosure - Warranty ObligationsSheethttp://www.cognex.com/role/WarrantyObligationsWarranty ObligationsNotes18 falsefalseR19.htm9952168 - Disclosure - Commitment and*

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Derivative Instruments, Gain (Loss) (Details)Sheethttp://www.cognex.com/role/DerivativeInstrumentsDerivativeInstrumentsGainLossDetailsDerivative Instruments - Derivative Instruments, Gain (Loss) (Details)Details61 falsefalseR62.htm9954503 - Disclosure - Revenue Recognition - Revenue Disaggregated by Geography (Details)Sheethttp://www.cognex.com/role/RevenueRecognitionRevenueDisaggregatedbyGeographyDetailsRevenue Recognition - Revenue Disaggregated by Geography (Details)Details62 falsefalseR63.htm9954504 - Disclosure - Revenue Recognition - Revenue Disaggregated by Products and Services (Details)Sheethttp://www.cognex.com/role/RevenueRecognitionRevenueDisaggregatedbyProductsandServicesDetailsRevenue Recognition - Revenue Disaggregated by Products and Services (Details)Details63 falsefalseR64.htm9954505 - Disclosure - Revenue Recognition - Additional Information (Details)Sheethttp://www.cognex.com/role/RevenueRecognitionAdditionalInformationDetailsRevenue Recognition - Additional Information (Details)Details64 falsefalseR65.htm9954506 - Disclosure - Revenue Recognition - Schedule of Allowance for Credit Loss (Details)Sheethttp://www.cognex.com/role/RevenueRecognitionScheduleofAllowanceforCreditLossDetailsRevenue Recognition - Schedule of Allowance for Credit Loss (Details)Details65 falsefalseR66.htm9954507 - Disclosure - Revenue Recognition - Deferred Revenue Activity (Details)Sheethttp://www.cognex.com/role/RevenueRecognitionDeferredRevenueActivityDetailsRevenue Recognition - Deferred Revenue Activity (Details)Details66 falsefalseR67.htm9954508 - Disclosure - Stock-Based Compensation Expense - Narrative (Details)Sheethttp://www.cognex.com/role/StockBasedCompensationExpenseNarrativeDetailsStock-Based Compensation Expense - Narrative (Details)Details67 falsefalseR68.htm9954509 - Disclosure - Stock-Based Compensation Expense - Summary of Stock Option Activity (Details)Sheethttp://www.cognex.com/role/StockBasedCompensationExpenseSummaryofStockOptionActivityDetailsStock-Based Compensation Expense - Summary of Stock Option Activity (Details)Details68 falsefalseR69.htm9954510 - 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Calculation of Weighted-Average Shares (Details)Sheethttp://www.cognex.com/role/WeightedAverageSharesCalculationofWeightedAverageSharesDetailsWeighted-Average Shares - Calculation of Weighted-Average Shares (Details)Details75 falsefalseR76.htm9954517 - Disclosure - Weighted-Average Shares - Narrative (Details)Sheethttp://www.cognex.com/role/WeightedAverageSharesNarrativeDetailsWeighted-Average Shares - Narrative (Details)Details76 falsefalseR77.htm9954518 - Disclosure - Loss (Recovery) from Fire (Details)Sheethttp://www.cognex.com/role/LossRecoveryfromFireDetailsLoss (Recovery) from Fire (Details)Detailshttp://www.cognex.com/role/LossRecoveryfromFire77 falsefalseR78.htm9954519 - Disclosure - Business Combinations (Details)Sheethttp://www.cognex.com/role/BusinessCombinationsDetailsBusiness Combinations (Details)Detailshttp://www.cognex.com/role/BusinessCombinations78 falsefalseR79.htm9954520 - Disclosure - Subsequent Events (Details)Sheethttp://www.cognex.com/role/SubsequentEventsDetailsSubsequent Events (Details)Detailshttp://www.cognex.com/role/SubsequentEvents79 falsefalseAll ReportsBookAll Reports cgnx-20240630.htmcgnx-20240630.xsdcgnx-20240630_cal.xmlcgnx-20240630_def.xmlcgnx-20240630_lab.xmlcgnx-20240630_pre.xml http://fasb.org/srt/2024http://fasb.org/us-gaap/2024http://xbrl.sec.gov/dei/2024http://xbrl.sec.gov/ecd/2024truetrue JSON 102 MetaLinks.json IDEA: XBRL DOCUMENT { "version": "2.2", "instance": { "cgnx-20240630.htm": { "nsprefix": "cgnx", "nsuri": "http://www.cognex.com/20240630", "dts": { "inline": { "local": ["cgnx-20240630.htm"] }, "schema": { "local": ["cgnx-20240630.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",

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Disclosure - Loss (Recovery) from Fire (Details)", "shortName": "Loss (Recovery) from Fire (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "77", "firstAnchor": { "contextRef": "c-221", "name": "cgnx:InsuranceRecoveriesBusinessInterruption", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": ["span", "div", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "cgnx-20240630.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-221", "name": "cgnx:InsuranceRecoveriesBusinessInterruption", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": ["span", "div", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "cgnx-20240630.htm", "first": true, "unique": true } }, "R78": { "role": "http://www.cognex.com/role/BusinessCombinationsDetails", "longName": "9954519 - Disclosure - Business Combinations (Details)", "shortName": "Business Combinations (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "78", "firstAnchor": { "contextRef": "c-222", "name": "cgnx:BusinessCombinationEnterpriseValue", "unitRef": "jpy", "xsiNil": "false", "lang": "en-US", "decimals": "-9", "ancestors": ["span", "div", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "cgnx-20240630.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-222", "name": "cgnx:BusinessCombinationEnterpriseValue", "unitRef": "jpy", "xsiNil": "false", "lang": "en-US", "decimals": "-9", "ancestors": ["span", "div", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "cgnx-20240630.htm", "first": true, "unique": true } }, "R79": { "role": "http://www.cognex.com/role/SubsequentEventsDetails", "longName": "9954520 - 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Used to reflect the current portion of the liabilities (due within one year or within the normal operating cycle if longer)." } } }, "auth_ref": ["r61", "r820"] }, "cgnx_AccountsReceivableAllowanceForCreditLossForeignExchangeRateIncreaseDecrease": { "xbrltype": "monetaryItemType", "nsuri": "http://www.cognex.com/20240630", "localname": "AccountsReceivableAllowanceForCreditLossForeignExchangeRateIncreaseDecrease", "crdr": "credit", "presentation": ["http://www.cognex.com/role/RevenueRecognitionScheduleofAllowanceforCreditLossDetails"], "lang": { "en-us": { "role": { "terseLabel": "Foreign exchange rate changes", "label": "Accounts Receivable, Allowance For Credit Loss, Foreign Exchange Rate Increase (Decrease)", "documentation": "Accounts Receivable, Allowance For Credit Loss, Foreign Exchange Rate Increase (Decrease)" } } }, "auth_ref": [] }, "us-gaap_AccountsReceivableAllowanceForCreditLossTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AccountsReceivableAllowanceForCreditLossTableTextBlock", "presentation": ["http://www.cognex.com/role/RevenueRecognitionTables"], "lang": { "en-us": { "role": { "terseLabel": "Schedule of Allowance for Credit Loss Activity", "label": "Accounts Receivable, Allowance for Credit Loss [Table Text Block]", "documentation": "Tabular disclosure of allowance for credit loss on accounts receivable." } } }, "auth_ref": ["r977"] }, "cgnx_AccountsReceivableAllowanceForCreditLossWriteoffRecovery": { "xbrltype": "monetaryItemType", "nsuri": "http://www.cognex.com/20240630", "localname": "AccountsReceivableAllowanceForCreditLossWriteoffRecovery", "crdr": "debit", "presentation": ["http://www.cognex.com/role/RevenueRecognitionScheduleofAllowanceforCreditLossDetails"], "lang": { "en-us": { "role": { "negatedTerseLabel": "Write-offs, net of recoveries", "label": "Accounts Receivable, Allowance for Credit Loss, Writeoff (Recovery)", "documentation": "Accounts Receivable, Allowance for Credit Loss, Writeoff (Recovery)" } } }, "auth_ref": [] }, "us-gaap_AccountsReceivableNetCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AccountsReceivableNetCurrent", "crdr": "debit", "calculation": { "http://www.cognex.com/role/ConsolidatedBalanceSheets": { "parentTag": "us-gaap_AssetsCurrent", "weight": 1.0, "order": 3.0 } }, "presentation": ["http://www.cognex.com/role/ConsolidatedBalanceSheets"], "lang": { "en-us": { "role": { "terseLabel": "Accounts receivable, allowance for credit losses of $665 and $583 in 2024 and 2023, respectively", "label": "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": ["r966"] }, "us-gaap_AccretionAmortizationOfDiscountsAndPremiumsInvestments": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AccretionAmortizationOfDiscountsAndPremiumsInvestments", "crdr": "credit", "calculation": { "http://www.cognex.com/role/ConsolidatedStatementsofCashFlows": { "parentTag": "us-gaap_NetCashProvidedByUsedInOperatingActivities", "weight": -1.0, "order": 3.0 } }, "presentation": ["http://www.cognex.com/role/ConsolidatedStatementsofCashFlows"], "lang": { "en-us": { "role": { "negatedLabel": "Amortization of discounts or premiums on investments", "label": "Accretion (Amortization) of Discounts and Premiums, Investments", "documentation": "The sum of the periodic adjustments of the differences between securities' face values and purchase prices that are charged against earnings. This is called accretion if the

security was purchased at a discount and amortization if it was purchased at premium. As a noncash item, this element is an adjustment to net income when calculating cash provided by or used in operations using the indirect method." } } }, "auth_ref": ["r97"] }, "us-gaap_AccruedIncomeTaxes": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AccruedIncomeTaxes", "crdr": "credit", "calculation": { "http://www.cognex.com/role/ConsolidatedBalanceSheets": { "parentTag": "us-gaap_Liabilities", "weight": 1.0, "order": 5.0 } }, "presentation": ["http://www.cognex.com/role/ConsolidatedBalanceSheets"], "lang": { "en-us": { "role": { "terseLabel": "Non-current accrued income taxes", "label": "Accrued Income Taxes", "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. This amount is the total of current and noncurrent accrued income taxes." } } }, "auth_ref": ["r63", "r66", "r118", "r627"] }, "us-gaap_AccruedIncomeTaxesCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AccruedIncomeTaxesCurrent", "crdr": "credit", "calculation": { "http://www.cognex.com/role/ConsolidatedBalanceSheets": { "parentTag": "us-gaap_LiabilitiesCurrent", "weight": 1.0, "order": 3.0 } }, "presentation": ["http://www.cognex.com/role/ConsolidatedBalanceSheets"], "lang": { "en-us": { "role": { "terseLabel": "Accrued income taxes", "label": "Accrued Income Taxes, Current", "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." } } }, "auth_ref": ["r63", "r118"] }, "us-gaap_AccruedLiabilitiesCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AccruedLiabilitiesCurrent", "crdr": "credit", "calculation": { "http://www.cognex.com/role/ConsolidatedBalanceSheets": { "parentTag": "us-gaap_LiabilitiesCurrent", "weight": 1.0, "order": 2.0 } }, "presentation": ["http://www.cognex.com/role/ConsolidatedBalanceSheets"], "lang": { "en-us": { "role": { "terseLabel": "Accrued expenses", "label": "Accrued Liabilities, Current", "documentation": "Carrying value as of the balance sheet date of obligations incurred and payable, pertaining to costs that are statutory in nature, are incurred on contractual obligations, or accumulate over time and for which invoices have not yet been received or will not be rendered. Examples include taxes, interest, rent and utilities. Used to reflect the current portion of the liabilities (due within one year or within the normal operating cycle if longer)." } } }, "auth_ref": ["r63"] }, "us-gaap_AccumulatedOtherComprehensiveIncomeLossNetOfTax": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AccumulatedOtherComprehensiveIncomeLossNetOfTax", "crdr": "credit", "calculation": { "http://www.cognex.com/role/ConsolidatedBalanceSheets": { "parentTag": "us-gaap_StockholdersEquity", "weight": 1.0, "order": 3.0 } }, "presentation": ["http://www.cognex.com/role/ConsolidatedBalanceSheets"], "lang": { "en-us": { "role": { "terseLabel": "Accumulated other comprehensive loss, net of tax", "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": ["r26", "r27", "r81", "r176", "r631", "r659", "r662"] }, "us-gaap_AccumulatedOtherComprehensiveIncomeMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AccumulatedOtherComprehensiveIncomeMember", "presentation": ["http://www.cognex.com/role/ConsolidatedStatementofShareholdersEquity"], "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": ["r3", "r16", "r27", "r480", "r483", "r542", "r655", "r656", "r950", "r951", "r952", "r956", "r957", "r958", "r959"] }, "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": ["r883"] }, "us-gaap_AdditionalPaidInCapitalCommonStock": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AdditionalPaidInCapitalCommonStock", "crdr": "credit", "calculation": { "http://www.cognex.com/role/ConsolidatedBalanceSheets": { "parentTag": "us-gaap_StockholdersEquity", "weight": 1.0, "order": 1.0 } }, "presentation": ["http://www.cognex.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": ["r71"] }, "us-gaap_AdditionalPaidInCapitalMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AdditionalPaidInCapitalMember", "presentation": ["http://www.cognex.com/role/ConsolidatedStatementofShareholdersEquity"], "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": ["r668", "r956", "r957", "r958", "r959", "r1048", "r1106"] }, "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": { 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"r405"] }, "us-gaap_AdjustmentsToReconcileNetIncomeLossToCashProvidedByUsedInOperatingActivitiesAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AdjustmentsToReconcileNetIncomeLossToCashProvidedByUsedInOperatingActivitiesAbstract", "presentation": ["http://www.cognex.com/role/ConsolidatedStatementsofCashFlows"], "lang": { "en-us": { "role": { "terseLabel": "Adjustments to reconcile net income to net cash provided by (used in) operating activities:", "label": "Adjustments to Reconcile Net Income (Loss) to Cash Provided by (Used in) Operating Activities [Abstract]" } } }, "auth_ref": [] }, "ecd_AggtChngPnsnValInSummryCompstnTblForAplblYrMember": { "xbrltype": "domainItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "AggtChngPnsnValInSummryCompstnTblForAplblYrMember", "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": ["r929"] }, "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": ["r855", "r865", "r875", "r907"] }, "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 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Excludes amount capitalized." } } }, "auth_ref": ["r433", "r435"] }, "us-gaap_AllowanceForDoubtfulAccountsReceivable": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AllowanceForDoubtfulAccountsReceivable", "crdr": "credit", "presentation": ["http://www.cognex.com/role/RevenueRecognitionScheduleofAllowanceforCreditLossDetails"], "lang": { "en-us": { "role": { "periodStartLabel": "Balance as of December 31, 2023", "periodEndLabel": "Balance as of June 30, 2024", "label": "Accounts Receivable, Allowance for Credit Loss", "documentation": "Amount of allowance for credit loss on accounts receivable." } } }, "auth_ref": ["r177", "r254", "r293", "r296", "r298", "r1071"] }, "us-gaap_AllowanceForDoubtfulAccountsReceivableCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AllowanceForDoubtfulAccountsReceivableCurrent", "crdr": "credit", "presentation": ["http://www.cognex.com/role/ConsolidatedBalanceSheetsParenthetical"], "lang": { "en-us": { "role": { "terseLabel": "Allowance for credit losses, current", "label": "Accounts Receivable, Allowance for Credit Loss, Current", "documentation": "Amount of allowance for credit loss on accounts receivable, classified as current." } } }, "auth_ref": ["r177", "r254", "r293"] }, "us-gaap_AllowanceForDoubtfulAccountsReceivableRollforward": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AllowanceForDoubtfulAccountsReceivableRollforward", "presentation": ["http://www.cognex.com/role/RevenueRecognitionScheduleofAllowanceforCreditLossDetails"], "lang": { "en-us": { "role": { "terseLabel": "Accounts Receivable, Allowance for Credit Loss [Roll Forward]", "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": [] }, "dei_AmendmentFlag": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "AmendmentFlag", "presentation": ["http://www.cognex.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": [] }, "srt_AmericasMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/srt/2024", "localname": "AmericasMember", "presentation": ["http://www.cognex.com/role/RevenueRecognitionRevenueDisaggregatedbyGeographyDetails"], "lang": { "en-us": { "role": { "terseLabel": "Americas", "label": "Americas [Member]", "documentation": "Continents of North and South America." } } }, "auth_ref": ["r942", "r943", "r944", "r945", "r1109", "r1110", "r1111", "r1112"] }, "us-gaap_AmortizationOfIntangibleAssets": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AmortizationOfIntangibleAssets", "crdr": "debit", "calculation": { "http://www.cognex.com/role/ConsolidatedStatementsofCashFlows": { "parentTag": "us-gaap_NetCashProvidedByUsedInOperatingActivities", "weight": 1.0, "order": 12.0 } }, "presentation": [

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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": ["r11", "r320", "r327", "r788"] }, "us-gaap_AntidilutiveSecuritiesExcludedFromComputationOfEarningsPerShareAmount": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AntidilutiveSecuritiesExcludedFromComputationOfEarningsPerShareAmount", "presentation": ["http://www.cognex.com/role/WeightedAverageSharesNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Anti-dilutive securities excluded from computation of earnings per share (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": ["r235"] }, "us-gaap_AntidilutiveSecuritiesExcludedFromComputationOfEarningsPerShareByAntidilutiveSecuritiesAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AntidilutiveSecuritiesExcludedFromComputationOfEarningsPerShareByAntidilutiveSecuritiesAxis", "presentation": ["http://www.cognex.com/role/WeightedAverageSharesNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Antidilutive Securities [Axis]", "label": "Antidilutive Securities [Axis]", "documentation": "Information by type of antidilutive security." } } }, "auth_ref": ["r33"] }, "us-gaap_AntidilutiveSecuritiesNameDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AntidilutiveSecuritiesNameDomain", "presentation": 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"http://www.cognex.com/role/CashCashEquivalentsandInvestmentsSummaryofAvailableforSaleInvestmentsDetails", "http://www.cognex.com/role/FairValueMeasurementsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Asset-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": ["r799", "r821", "r969", "r970", "r971"] }, "us-gaap_Assets": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "Assets", "crdr": "debit", "calculation": { "http://www.cognex.com/role/ConsolidatedBalanceSheets": { "parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": ["http://www.cognex.com/role/ConsolidatedBalanceSheets"], "lang": { "en-us": { "role": { "totalLabel": 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"Amount, before tax, of unrealized gain 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": ["r260"] }, "us-gaap_AvailableForSaleDebtSecuritiesAccumulatedGrossUnrealizedLossBeforeTax": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AvailableForSaleDebtSecuritiesAccumulatedGrossUnrealizedLossBeforeTax", "crdr": "debit", "calculation": { "http://www.cognex.com/role/CashCashEquivalentsandInvestmentsSummaryofAvailableforSaleInvestmentsDetails": { "parentTag": "us-gaap_AvailableForSaleDebtSecuritiesAmortizedCostBasis", "weight": 1.0, "order": 2.0 } }, "presentation": ["http://www.cognex.com/role/CashCashEquivalentsandInvestmentsSummaryofAvailableforSaleInvestmentsDetails"], "lang": { "en-us": { "role": { "negatedTerseLabel": "Gross Unrealized Losses", "label": "Debt Securities, Available-for-Sale, Accumulated Gross Unrealized Loss, before Tax", "documentation": "Amount, before tax, of unrealized 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": ["r261"] }, "us-gaap_AvailableForSaleDebtSecuritiesAmortizedCostBasis": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AvailableForSaleDebtSecuritiesAmortizedCostBasis", "crdr": "debit", "calculation": { "http://www.cognex.com/role/CashCashEquivalentsandInvestmentsSummaryofAvailableforSaleInvestmentsDetails": { "parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": ["http://www.cognex.com/role/CashCashEquivalentsandInvestmentsSummaryofAvailableforSaleInvestmentsDetails"], "lang": { "en-us": { "role": { "totalLabel": "Amortized Cost", "label": "Debt Securities, Available-for-Sale, 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(available-for-sale), with single maturity date and allocated without single maturity date, maturing in next fiscal year following current fiscal year. Excludes interim and annual periods when interim

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The disclosure may include leverage buyout transactions (as applicable)." } } }, "auth_ref": { "r111", "r469" } }, "cgnx_BusinessCombinationEnterpriseValue": { "xbrltype": "monetaryItemType", "nsuri": "http://www.cognex.com/20240630", "localname": "BusinessCombinationEnterpriseValue", "crdr": "credit", "presentation": ["http://www.cognex.com/role/BusinessCombinationsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Business Combination, Enterprise Value", "label": "Business Combination, Enterprise Value", "documentation": "Business Combination, Enterprise Value" } } }, "auth_ref": [] }, "currency_CAD": { "xbrltype": "domainItemType", "nsuri": "http://xbrl.sec.gov/currency/2024", "localname": "CAD", "presentation": ["http://www.cognex.com/role/DerivativeInstrumentsOutstandingForwardContractsTableDetails"], "lang": { "en-us": { "role": { "terseLabel": "Canadian Dollar", "label": "Canada, Dollars" } } }, "auth_ref": [] }, "currency_CHF": { "xbrltype": "domainItemType", "nsuri": "http://xbrl.sec.gov/currency/2024", "localname": "CHF", "presentation": ["http://www.cognex.com/role/DerivativeInstrumentsOutstandingForwardContractsTableDetails"], "lang": { "en-us": { "role": { "terseLabel": "Swiss Franc", "label": "Switzerland, Francs" } } }, "auth_ref": [] }, "country_CN": { "xbrltype": "domainItemType", "nsuri": "http://xbrl.sec.gov/country/2024", "localname": "CN", "presentation": ["http://www.cognex.com/role/RevenueRecognitionRevenueDisaggregatedbyGeographyDetails"], "lang": { "en-us": { "role": { "terseLabel": "Greater China", "label": "CHINA" } } }, "auth_ref": [] }, "currency_CNY": { "xbrltype": "domainItemType", "nsuri": "http://xbrl.sec.gov/currency/2024", "localname": "CNY", "presentation": ["http://www.cognex.com/role/DerivativeInstrumentsOutstandingForwardContractsTableDetails"], "lang": { "en-us": { "role": { "terseLabel": "Chinese Renminbi", "label": "China, Yuan Renminbi" } } }, "auth_ref": [] }, "us-gaap_CapitalizedContractCostGross": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CapitalizedContractCostGross", "crdr": "debit", "presentation": ["http://www.cognex.com/role/RevenueRecognitionAdditionalInformationDetails"], "lang": { "en-us": { "role": { "terseLabel": "Costs to fulfill contract", "label": "Capitalized Contract Cost, Gross", "documentation": "Amount, before accumulated amortization and accumulated impairment loss, of asset recognized from cost incurred to obtain or fulfill contract with customer." } } }, "auth_ref": ["r978"] }, "cgnx_CarlGerstMember": { "xbrltype": "domainItemType", "nsuri": "http://www.cognex.com/20240630", "localname": "CarlGerstMember", "presentation": ["http://xbrl.sec.gov/ecd/role/InsiderTradingArrangements"], "lang": { "en-us":

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Excludes cash and cash equivalents within disposal group and discontinued operation." } } }, "auth_ref": ["r31", "r170", "r773"] }, "us-gaap_CashAndCashEquivalentsAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CashAndCashEquivalentsAxis", "presentation": ["http://www.cognex.com/role/CashCashEquivalentsandInvestmentsComponentsofCashCashEquivalentsandInvestmentsDetails", "http://www.cognex.com/role/FairValueMeasurementsDetails"], "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": ["r170"] }, "us-gaap_CashAndCashEquivalentsDisclosureTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CashAndCashEquivalentsDisclosureTextBlock", "presentation": ["http://www.cognex.com/role/CashCashEquivalentsandInvestments"], "lang": { "en-us": { "role": { "terseLabel": "Cash, Cash Equivalents, and Investments", "label": "Cash and Cash Equivalents Disclosure [Text Block]", "documentation": "The entire disclosure for cash and cash equivalent footnotes, which may include the types of deposits and money market instruments, applicable carrying amounts, restricted amounts and compensating balance arrangements. Cash and equivalents include: (1) currency on hand (2) demand deposits with banks or financial institutions (3) other kinds of accounts that have the general characteristics of demand deposits (4) 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. Generally, only investments maturing within three months from the date of acquisition qualify." } } }, "auth_ref": ["r170", "r630"] }, "us-gaap_CashAndCashEquivalentsFairValueDisclosure": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CashAndCashEquivalentsFairValueDisclosure", "crdr": "debit", "presentation": ["http://www.cognex.com/role/FairValueMeasurementsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Cash and cash equivalents", "label": "Cash and Cash Equivalents, Fair Value Disclosure", "documentation": "Fair value portion 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." } } }, "auth_ref": ["r1050", "r1051"] }, "us-gaap_CashAndCashEquivalentsLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CashAndCashEquivalentsLineItems", "presentation": ["http://www.cognex.com/role/CashCashEquivalentsandInvestmentsNarrativeDetails"], "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. 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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": ["r31", "r95", "r202"] }, "us-gaap_CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalentsPeriodIncreaseDecreaseIncludingExchangeRateEffect": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalentsPeriodIncreaseDecreaseIncludingExchangeRateEffect", "crdr": "debit", "calculation": { "http://www.cognex.com/role/ConsolidatedStatementsofCashFlows": { "parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": ["http://www.cognex.com/role/ConsolidatedStatementsofCashFlows"], "lang": { "en-us": { "role": { "totalLabel": "Net change in cash and cash equivalents", "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": ["r2", "r95"] },
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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": ["r70"] }, "us-gaap_CommonStockSharesOutstanding": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CommonStockSharesOutstanding", "presentation": ["http://www.cognex.com/role/ConsolidatedBalanceSheetsParenthetical"], "lang": { "en-us": { "role": { "terseLabel": "Common stock, shares outstanding (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": ["r17", "r70", "r689", "r707", "r1106", "r1107"] }, "us-gaap_CommonStockValueOutstanding": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CommonStockValueOutstanding", "crdr": "credit", "calculation": { "http://www.cognex.com/role/ConsolidatedBalanceSheets": { "parentTag": "us-gaap_StockholdersEquity", "weight": 1.0, "order": 5.0 } }, "presentation": ["http://www.cognex.com/role/ConsolidatedBalanceSheets"], "lang": { "en-us": { "role": { "terseLabel": "Common stock, $.002 par value \u2013 Authorized: 300,000 shares in 2024 and 2023, respectively; issued and outstanding: 171,501 and 171,599 shares in 2024 and 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": ["r70", "r689"] }, "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": ["r900"] }, "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": ["r899"] }, "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": ["r901"] }, "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": ["r898"] }, "cgnx_ComponentsOfCashCashEquivalentsAndInvestmentsTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://www.cognex.com/20240630", "localname": "ComponentsOfCashCashEquivalentsAndInvestmentsTableTextBlock", "presentation": ["http://www.cognex.com/role/CashCashEquivalentsandInvestmentsTables"], "lang": { "en-us": { "role": { "terseLabel": "Components of Cash, Cash Equivalents, and Investments", "label": "Components Of Cash Cash Equivalents And Investments [Table Text Block]", "documentation": "Components of cash cash equivalents and investments." } } }, "auth_ref": [] }, "us-gaap_ComprehensiveIncomeNetOfTax": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ComprehensiveIncomeNetOfTax", "crdr": "credit", "calculation": { "http://www.cognex.com/role/ConsolidatedStatementsofComprehensiveIncomeLoss": { "parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": ["http://www.cognex.com/role/ConsolidatedStatementsofComprehensiveIncomeLoss"], "lang": { "en-us": { "role": { "totalLabel": "Total comprehensive income (loss)", "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": ["r28", "r190", "r192", "r196", "r620", "r639", "r640"] }, "us-gaap_ComprehensiveIncomeNetOfTaxAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ComprehensiveIncomeNetOfTaxAbstract", "presentation": ["http://www.cognex.com/role/ConsolidatedStatementsofComprehensiveIncomeLoss"], "lang": { "en-us": { "role": { "terseLabel": "Other comprehensive income (loss), net of tax:", "label": "Comprehensive Income (Loss), Net of Tax, Attributable to Parent [Abstract]" } } }, "auth_ref": [] }, "us-gaap_ContractWithCustomerLiabilityCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ContractWithCustomerLiabilityCurrent", "crdr": "credit", "calculation": { "http://www.cognex.com/role/ConsolidatedBalanceSheets": { "parentTag": "us-gaap_LiabilitiesCurrent", "weight": 1.0, "order": 4.0 } }, "presentation": ["http://www.cognex.com/role/ConsolidatedBalanceSheets"], "lang": { "en-us": { "role": { "terseLabel": "Deferred revenue and customer deposits", "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": ["r382", "r383", "r394"] }, "us-gaap_CorporateBondSecuritiesMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CorporateBondSecuritiesMember", "presentation": ["http://www.cognex.com/role/CashCashEquivalentsandInvestmentsComponentsofCashCashEquivalentsandInvestmentsDetails", "http://www.cognex.com/role/CashCashEquivalentsandInvestmentsEffectiveMaturityDatesofAvailableforSaleInvestmentsDetails", "http://www.cognex.com/role/CashCashEquivalentsandInvestmentsGrossUnrealizedLossesandFairValuesforAvailableforSaleInvestmentsDetails", "http://www.cognex.com/role/CashCashEquivalentsandInvestmentsSummaryofAvailableforSaleInvestmentsDetails", "http://www.cognex.com/role/FairValueMeasurementsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Corporate bonds", "label": "Corporate Bond Securities [Member]", "documentation": "This category includes information about long-term debt securities that are issued by either a domestic or foreign corporate business entity with a date certain promise of repayment and a return to the holder for the time value of money (for example, variable or fixed interest, original issue discount)." } } }, "auth_ref": [] }, "us-gaap_CostOfGoodsAndServicesSold": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CostOfGoodsAndServicesSold", "crdr": "debit", "calculation": { "http://www.cognex.com/role/ConsolidatedStatementsofOperations": { "parentTag": "us-gaap_GrossProfit", "weight": -1.0, "order": 2.0 } }, "presentation": ["http://www.cognex.com/role/ConsolidatedStatementsofOperations"], "lang": { "en-us": { "role": { "terseLabel": "Cost of revenue", "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": ["r84", "r85", "r581"] }, "us-gaap_CostOfGoodsTotalMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CostOfGoodsTotalMember", "presentation": ["http://www.cognex.com/role/StockBasedCompensationExpenseScheduleofEmployeeServiceSharebasedCompensationAllocationofRecognizedPeriodCostsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Cost of revenue", "label": "Cost of Goods and Service Benchmark [Member]", "documentation": "Cost of product sold and service rendered, when it serves as benchmark in concentration of risk calculation." } } }, "auth_ref": ["r934"] }, "dei_CoverAbstract": { "xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "CoverAbstract", "lang": { "en-us": { "role": { "terseLabel": "Cover [Abstract]", "label": "Cover [Abstract]", "documentation": "Cover page." } } }, "auth_ref": [] }, "srt_CurrencyAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/srt/2024", "localname": "CurrencyAxis", "presentation": ["http://www.cognex.com/role/DerivativeInstrumentsOutstandingForwardContractsTableDetails"], "lang": { "en-us": { "role": { "terseLabel": "Currency [Axis]", "label": "Currency [Axis]", "documentation": "Information by currency." } } }, "auth_ref": ["r1058"] }, "cgnx_Currencytranslationadjustmentsabstract": { "xbrltype": "stringItemType", "nsuri": "http://www.cognex.com/20240630", "localname": "Currencytranslationadjustmentsabstract", "presentation": ["http://www.cognex.com/role/ConsolidatedStatementsofComprehensiveIncomeLoss"], "lang": { "en-us": { "role": { "terseLabel": "Foreign currency translation adjustments:", "label": "Currency translation adjustments [Abstract]", "documentation": "Currency translation adjustments [Abstract]" } } }, "auth_ref": [] }, "cgnx_CurrentAssetsMember": { "xbrltype": "domainItemType", "nsuri": "http://www.cognex.com/20240630", "localname": "CurrentAssetsMember", "presentation": ["http://www.cognex.com/role/CashCashEquivalentsandInvestmentsSummaryofAvailableforSaleInvestmentsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Current assets", "label": "Current Assets [Member]", "documentation": "Current Assets" } } }, "auth_ref": [] }, "dei_CurrentFiscalYearEndDate": { "xbrltype": "gMonthDayItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "CurrentFiscalYearEndDate", "presentation": ["http://www.cognex.com/role/CoverPage"], "lang": { "en-us": { "role": { "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": [] }, "cgnx_CustomerContractsAndRelationshipsMember": { "xbrltype": "domainItemType", "nsuri": "http://www.cognex.com/20240630", "localname": "CustomerContractsAndRelationshipsMember", "presentation": ["http://www.cognex.com/role/IntangibleAssetsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Customer relationships", "label": "Customer Contracts And Relationships [Member]", "documentation": "Customer Contracts And Relationships [Member]" } } }, "auth_ref": [] }, "us-gaap_DebtSecuritiesAvailableForSaleAllowanceForCreditLoss": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DebtSecuritiesAvailableForSaleAllowanceForCreditLoss", "crdr": "credit", "presentation": ["http://www.cognex.com/role/CashCashEquivalentsandInvestmentsNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Debt securities, available-for-sale, allowance for credit loss", "label": "Debt Securities, Available-for-Sale, Allowance for Credit Loss", "documentation": "Amount of allowance for credit loss on investment in debt security measured at fair value with change in fair value recognized in other comprehensive income (available-for-sale)." } } }, "auth_ref": ["r259", "r302", "r309", "r310"] }, "us-gaap_DebtSecuritiesAvailableForSaleAllowanceForCreditLossCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DebtSecuritiesAvailableForSaleAllowanceForCreditLossCurrent", "crdr": "credit", "presentation": ["http://www.cognex.com/role/ConsolidatedBalanceSheetsParenthetical"], "lang": { "en-us": { "role": { "terseLabel": "Allowance for credit losses", "label": "Debt Securities, Available-for-Sale, Allowance for Credit Loss, Current", "documentation": "Amount of allowance for credit loss on investment in debt security measured at fair value with change in fair value recognized in other comprehensive income (available-for-sale), classified as current." } } }, "auth_ref": ["r302"] }, "us-gaap_DebtSecuritiesAvailableForSaleAllowanceForCreditLossNoncurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname":

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Includes liabilities elected not to be offset. Excludes liabilities not subject to a master netting arrangement." } } }, "auth_ref": ["r23", "r80", "r115", "r116", "r180", "r778"] }, "us-gaap_DerivativeGainLossOnDerivativeNet": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DerivativeGainLossOnDerivativeNet", "crdr": "credit", "presentation": ["http://www.cognex.com/role/DerivativeInstrumentsDerivativeInstrumentsGainLossDetails"], "lang": { "en-us": { "role": { "terseLabel": "Gains (losses) recognized in current operations", "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": ["r1047"] }, "us-gaap_DerivativeInstrumentsAndHedgingActivitiesDisclosureAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DerivativeInstrumentsAndHedgingActivitiesDisclosureAbstract", "lang": { "en-us": { "role": { "terseLabel": "Derivative Instruments and Hedging Activities Disclosure [Abstract]", "label": "Derivative Instruments and Hedging Activities Disclosure [Abstract]" } } }, "auth_ref": [] }, "us-gaap_DerivativeInstrumentsAndHedgingActivitiesDisclosureTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DerivativeInstrumentsAndHedgingActivitiesDisclosureTextBlock", "presentation": ["http://www.cognex.com/role/DerivativeInstruments"], "lang": { "en-us": { "role": { "terseLabel": "Derivative Instruments", "label": "Derivative Instruments and Hedging Activities Disclosure [Text Block]", "documentation": "The entire disclosure for derivative instruments and hedging activities including, but not limited to, risk management strategies, non-hedging derivative instruments, assets, liabilities, revenue and expenses, and methodologies and assumptions used in determining the amounts." } } }, "auth_ref": ["r114", "r478", "r486"] }, "us-gaap_DerivativeInstrumentsAndHedgingActivitiesDisclosuresLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DerivativeInstrumentsAndHedgingActivitiesDisclosuresLineItems", "presentation": ["http://www.cognex.com/role/DerivativeInstrumentsNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Derivative Instruments and Hedging Activities Disclosures [Line Items]", "label": "Derivative Instruments and Hedging Activities Disclosures [Line Items]", "documentation": "Line items represent financial concepts included in a table. 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Includes liabilities not subject to a master netting arrangement and not elected to be offset." } } }, "auth_ref": ["r181", "r183", "r493", "r494", "r504", "r512", "r670", "r671", "r672", "r673", "r676", "r677", "r678", "r679", "r680", "r702", "r704", "r705", "r741", "r742", "r744", "r746", "r747", "r749", "r750", "r778", "r1052", "r1053", "r1054", "r1105"] }, "us-gaap_DerivativeLiabilityCollateralRightToReclaimCashOffset": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DerivativeLiabilityCollateralRightToReclaimCashOffset", "crdr": "debit", "calculation": { "http://www.cognex.com/role/DerivativeInstrumentsOffsettingAssetsDetails": { "parentTag": "us-gaap_DerivativeLiabilities", "weight": -1.0, "order": 2.0 } }, "presentation": ["http://www.cognex.com/role/DerivativeInstrumentsOffsettingAssetsDetails"], "lang": { "en-us": { "role": { "negatedTerseLabel": "Gross amounts 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": ["r12", "r22"] }, "us-gaap_DerivativeLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DerivativeLineItems", "presentation": ["http://www.cognex.com/role/DerivativeInstrumentsOutstandingForwardContractsTableDetails"], "lang": { "en-us": { "role": { "terseLabel": "Derivative [Line Items]", "label": "Derivative [Line Items]", "documentation": "Line items represent financial concepts included in a table. 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"Payment of dividends", "label": "Dividends, Cash", "documentation": "Amount of paid and unpaid cash dividends declared for classes of stock, for example, but not limited to, common and preferred." } } }, "auth_ref": ["r8", "r105"] }, "dei_DocumentFiscalPeriodFocus": { "xbrltype": "fiscalPeriodItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "DocumentFiscalPeriodFocus", "presentation": ["http://www.cognex.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": [] }, "dei_DocumentFiscalYearFocus": { "xbrltype": "gYearItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "DocumentFiscalYearFocus", "presentation": ["http://www.cognex.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": [] }, "dei_DocumentPeriodEndDate": { "xbrltype": "dateItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "DocumentPeriodEndDate", "presentation": ["http://www.cognex.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 8-K: the date of the report, the date of the earliest event reported; 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": [] }, "dei_DocumentQuarterlyReport": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "DocumentQuarterlyReport", "presentation": ["http://www.cognex.com/role/CoverPage"], "lang": { "en-us": { "role": { "terseLabel": "Document Quarterly Report", "label": "Document Quarterly Report", "documentation": "Boolean flag that is true only for a form used as an quarterly report." } } }, "auth_ref": ["r850"] }, "dei_DocumentTransitionReport": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "DocumentTransitionReport", "presentation": ["http://www.cognex.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": ["r882"] }, "dei_DocumentType": { "xbrltype": "submissionTypeItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "DocumentType", "presentation": ["http://www.cognex.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). 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Includes, but is not limited to, national jurisdiction for non-U.S. jurisdiction." } } }, "auth_ref": ["r442"] }, "ecd_DvddsOrOthrErngsPdOnEqtyAwrdsNtOthrwsRflctdInTtlCompForCvrdYrMember": { "xbrltype": "domainItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "DvddsOrOthrErngsPdOnEqtyAwrdsNtOthrwsRflctdInTtlCompForCvrdYrMember", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "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": ["r893"] }, "currency_EUR": { "xbrltype": "domainItemType", "nsuri": "http://xbrl.sec.gov/currency/2024", "localname": "EUR", "presentation": ["http://www.cognex.com/role/DerivativeInstrumentsOutstandingForwardContractsTableDetails"], "lang": { "en-us": { "role": { "terseLabel": "Euro", "label": "Euro Member Countries, Euro" } } }, "auth_ref": [] }, "us-gaap_EarningsPerShareAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EarningsPerShareAbstract", "lang": { "en-us": { "role": { "terseLabel": "Earnings Per Share [Abstract]", "label": "Earnings Per Share [Abstract]" } } }, "auth_ref": [] }, "us-gaap_EarningsPerShareBasic": { "xbrltype": "perShareItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EarningsPerShareBasic", "presentation": ["http://www.cognex.com/role/ConsolidatedStatementsofOperations"], "lang": { "en-us": { "role": { "terseLabel": "Basic (usd per share)", "label": "Earnings Per Share, Basic", "documentation": "The amount of net income (loss) for the period per each share of common stock or unit outstanding during the reporting period." } } }, "auth_ref": ["r197", "r216", "r217", "r218", "r219", "r220", "r221", "r228", "r230", "r232", "r233", "r234", "r238", "r466", "r472", "r490", "r491", "r621", "r641", "r780"] }, "us-gaap_EarningsPerShareDiluted": { "xbrltype": "perShareItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EarningsPerShareDiluted", "presentation": ["http://www.cognex.com/role/ConsolidatedStatementsofOperations"], "lang": { "en-us": { "role": { "terseLabel": "Diluted (usd 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": ["r197", "r216", "r217", "r218", "r219", "r220", "r221", "r230", "r232", "r233", "r234", "r238", "r466", "r472", "r490", "r491", "r621", "r641", "r780"] }, "us-gaap_EarningsPerShareDilutedAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EarningsPerShareDilutedAbstract", "presentation": ["http://www.cognex.com/role/ConsolidatedStatementsofOperations"], "lang": { "en-us": { "role": { "terseLabel": "Net income per weighted-average common and common-equivalent share:", "label": "Earnings Per Share, Diluted [Abstract]" } } }, "auth_ref": [] }, "us-gaap_EarningsPerShareTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EarningsPerShareTextBlock", "presentation": ["http://www.cognex.com/role/WeightedAverageShares"], "lang": { "en-us": { "role": { "terseLabel": "Weighted-Average Shares", "label": "Earnings Per Share [Text Block]", "documentation": "The entire disclosure for earnings per share." } } }, "auth_ref": ["r227", "r235", "r236", "r237"] }, "us-gaap_EffectOfExchangeRateOnCashCashEquivalentsRestrictedCashAndRestrictedCashEquivalents": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EffectOfExchangeRateOnCashCashEquivalentsRestrictedCashAndRestrictedCashEquivalents", "crdr": "debit", "calculation": { "http://www.cognex.com/role/ConsolidatedStatementsofCashFlows": { "parentTag": "us-gaap_CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalentsPeriodIncreaseDecreaseIncludingExchangeRateEffect", "weight": 1.0, "order": 4.0 } }, "presentation": ["http://www.cognex.com/role/ConsolidatedStatementsofCashFlows"], "lang": { "en-us": { "role": { "terseLabel": "Effect of foreign exchange rate changes on cash and cash equivalents", "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": ["r518"] }, "us-gaap_EffectiveIncomeTaxRateContinuingOperations": { "xbrltype": "percentItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EffectiveIncomeTaxRateContinuingOperations", "presentation": ["http://www.cognex.com/role/IncomeTaxesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Effective tax rate", "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": ["r442", "r807"] }, "us-gaap_EffectiveIncomeTaxRateReconciliationAtFederalStatutoryIncomeTaxRate": { "xbrltype": "percentItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EffectiveIncomeTaxRateReconciliationAtFederalStatutoryIncomeTaxRate", "presentation": ["http://www.cognex.com/role/IncomeTaxesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Statutory 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": ["r206", "r442", "r455", "r807"] }, "cgnx_EffectiveIncomeTaxRateReconciliationDiscreteTaxExpenseBenefitAmount": { "xbrltype": "monetaryItemType", "nsuri": "http://www.cognex.com/20240630", "localname": "EffectiveIncomeTaxRateReconciliationDiscreteTaxExpenseBenefitAmount", "crdr": "debit", "presentation": ["http://www.cognex.com/role/IncomeTaxesDetails"], "lang": { "en-us": { "role": { "negatedTerseLabel": "Discrete tax expense (benefit)", "label": "Effective Income Tax Rate Reconciliation, Discrete Tax Expense (Benefit) , Amount", "documentation": "Effective Income Tax Rate Reconciliation, Discrete Tax Expense (Benefit) , Amount" } } }, "auth_ref": [] }, "us-gaap_EffectiveIncomeTaxRateReconciliationShareBasedCompensationExcessTaxBenefitAmount": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EffectiveIncomeTaxRateReconciliationShareBasedCompensationExcessTaxBenefitAmount", "crdr": "debit", "presentation": ["http://www.cognex.com/role/IncomeTaxesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Increase in tax expense 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": ["r933", "r1040", "r1041"] }, "us-gaap_EmployeeServiceShareBasedCompensationAllocationOfRecognizedPeriodCostsLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EmployeeServiceShareBasedCompensationAllocationOfRecognizedPeriodCostsLineItems", "presentation": ["http://www.cognex.com/role/StockBasedCompensationExpenseScheduleofEmployeeServiceSharebasedCompensationAllocationofRecognizedPeriodCostsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Employee Service Share-based Compensation, Allocation of Recognized Period Costs [Line Items]", "label": "Share-Based Payment Arrangement, Expensed and Capitalized, Amount [Line Items]", "documentation": "Line items represent financial concepts included in a table. 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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 [Domain] of the Entity Listings, Instrument." } } }, "auth_ref": [] }, "dei_EntityCurrentReportingStatus": { "xbrltype": "yesNoItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityCurrentReportingStatus", "presentation": [ "http://www.cognex.com/role/CoverPage" ], "lang": { "en-us": { "role": { "terseLabel": "Entity Current Reporting Status", "label": "Entity Current Reporting Status", "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": [] }, "dei_EntityEmergingGrowthCompany": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityEmergingGrowthCompany", "presentation": [ "http://www.cognex.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": [ "r848" ] }, "dei_EntityFileNumber": { "xbrltype": "fileNumberItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityFileNumber", "presentation": [ "http://www.cognex.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": [] }, "dei_EntityFilerCategory": { "xbrltype": "filerCategoryItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityFilerCategory", "presentation": [ "http://www.cognex.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": [ "r848" ] }, "dei_EntityIncorporationStateCountryCode": { "xbrltype": "edgarStateCountryItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityIncorporationStateCountryCode", "presentation": [ "http://www.cognex.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": [] }, "dei_EntityInteractiveDataCurrent": { "xbrltype": "yesNoItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityInteractiveDataCurrent", "presentation": [ "http://www.cognex.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": [ "r932" ] }, "dei_EntityRegistrantName": { "xbrltype": "normalizedStringItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityRegistrantName", "presentation": [ "http://www.cognex.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": [ "r848" ] }, "dei_EntityShellCompany": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityShellCompany", "presentation": [ "http://www.cognex.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": [ "r848" ] }, "dei_EntitySmallBusiness": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntitySmallBusiness", "presentation": [ "http://www.cognex.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": [ "r848" ] }, "dei_EntityTaxIdentificationNumber": { "xbrltype": "employerIdItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityTaxIdentificationNumber", "presentation": [ "http://www.cognex.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": [ "r848" ] }, "us-gaap_EntityWideInformationRevenueFromExternalCustomerLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EntityWideInformationRevenueFromExternalCustomerLineItems", "presentation": [ "http://www.cognex.com/role/RevenueRecognitionRevenueDisaggregatedbyProductsandServicesDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Revenue from External Customer [Line Items]", "label": "Revenue from External Customer [Line Items]", "documentation": "Line items represent financial concepts included in a table. 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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,
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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": [ "r1042" ] }, "us-gaap_IncomeTaxDisclosureAbstract": { "xbrltype": "stringItemType", "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": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "IncomeTaxDisclosureTextBlock", "presentation": [ "http://www.cognex.com/role/IncomeTaxes" ], "lang": { "en-us": { "role": { "terseLabel": "Income Taxes", 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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": [ "r1040", "r1041" ] }, "us-gaap_IncomeTaxReconciliationTaxContingencies": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "IncomeTaxReconciliationTaxContingencies", "crdr": "debit", "presentation": [ "http://www.cognex.com/role/IncomeTaxesDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Increase in tax expense, tax reserves", "label": "Effective Income Tax Rate Reconciliation, Tax Contingency, 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 income tax contingencies. 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market instruments", "label": "Money Market Funds, at Carrying Value", "documentation": "Investment in short-term money-market instruments (such as commercial paper, banker's acceptances, repurchase agreements, government securities, certificates of deposit, and so forth) which are highly liquid (that is, readily convertible to known amounts of cash) and so near their maturity that they present an insignificant risk of changes in value because of changes in interest rates. Generally, only investments with original maturities of three months or less qualify as cash equivalents by definition. Original maturity means an original maturity to the entity holding the investment. For example, both a three-month US Treasury bill and a three-year Treasury note purchased three months from maturity qualify as cash equivalents. However, a Treasury note purchased three-years ago does not become a cash equivalent when its remaining maturity is three months." } } }, "auth_ref": [] }, "us-gaap_MoneyMarketFundsMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "MoneyMarketFundsMember", "presentation": [ "http://www.cognex.com/role/CashCashEquivalentsandInvestmentsComponentsofCashCashEquivalentsandInvestmentsDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Money market instruments", "label": "Money Market Funds [Member]", "documentation": "Fund that invests in short-term money-market instruments, for example, but not limited to, commercial paper, banker's acceptances, repurchase agreements, government securities, certificates of deposit, and other highly liquid securities." } } }, "auth_ref": [ "r1013" ] }, "cgnx_MoritexCorporationMember": { "xbrltype": "domainItemType", "nsuri": "http://www.cognex.com/20240630", "localname": "MoritexCorporationMember", "presentation": [ "http://www.cognex.com/role/BusinessCombinationsDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Moritex Corporation", "label": "Moritex Corporation [Member]", "documentation": "Moritex Corporation" } } }, "auth_ref": [] }, "us-gaap_MovementInDeferredRevenueRollForward": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "MovementInDeferredRevenueRollForward", "presentation": [ "http://www.cognex.com/role/RevenueRecognitionDeferredRevenueActivityDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Movement in Deferred Revenue [Roll Forward]", "label": "Movement in Deferred Revenue [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_MovementInStandardProductWarrantyAccrualRollForward": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "MovementInStandardProductWarrantyAccrualRollForward", "presentation": [ "http://www.cognex.com/role/WarrantyObligationsDetail" ], "lang": { "en-us": { "role": { "terseLabel": "Movement in Standard Product Warranty Accrual [Roll Forward]", "label": "Movement in Standard Product Warranty Accrual [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": [] }, "ecd_MtrlTermsOfTrdArrTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "MtrlTermsOfTrdArrTextBlock", "presentation": [ "http://xbrl.sec.gov/ecd/role/InsiderTradingArrangements" ], "lang": { "en-us": { "role": { "terseLabel": "Material Terms of Trading Arrangement", "label": "Material Terms of Trading Arrangement [Text Block]" } } }, "auth_ref": [ "r922" ] }, "ecd_NamedExecutiveOfficersFnTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "NamedExecutiveOfficersFnTextBlock", "presentation": [ "http://xbrl.sec.gov/ecd/role/PvpDisclosure" ], "lang": { "en-us": { "role": { "terseLabel": "Named Executive Officers, Footnote", "label": "Named Executive Officers, Footnote [Text Block]" } } }, "auth_ref": [ "r896" ] }, "us-gaap_NetCashProvidedByUsedInFinancingActivities": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "NetCashProvidedByUsedInFinancingActivities", "crdr": "debit", "calculation": { "http://www.cognex.com/role/ConsolidatedStatementsofCashFlows": { "parentTag": "us-gaap_CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalentsPeriodIncreaseDecreaseIncludingExchangeRateEffect", "weight": 1.0, "order": 3.0 } }, "presentation": [ "http://www.cognex.com/role/ConsolidatedStatementsofCashFlows" ], "lang": { "en-us": { "role": { "totalLabel": "Net cash provided by (used in) financing activities", "label": "Net Cash Provided by (Used in) Financing Activities", "documentation": "Amount of cash inflow (outflow) from financing activities, including discontinued operations. Financing activity cash flows include obtaining resources from owners and providing them with a return on, and a return of, their investment; borrowing money and repaying amounts borrowed, or settling the obligation; and obtaining and paying for other resources obtained from creditors on long-term credit." } } }, "auth_ref": [ "r200" ] }, "us-gaap_NetCashProvidedByUsedInFinancingActivitiesAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "NetCashProvidedByUsedInFinancingActivitiesAbstract", "presentation": [ "http://www.cognex.com/role/ConsolidatedStatementsofCashFlows" ], "lang": { "en-us": { "role": { "terseLabel": "Cash flows from financing activities:", "label": "Net Cash Provided by (Used in) Financing Activities [Abstract]" } } }, "auth_ref": [] }, "us-gaap_NetCashProvidedByUsedInInvestingActivities": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "NetCashProvidedByUsedInInvestingActivities", "crdr": "debit", "calculation": { "http://www.cognex.com/role/ConsolidatedStatementsofCashFlows": { "parentTag": "us-gaap_CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalentsPeriodIncreaseDecreaseIncludingExchangeRateEffect", "weight": 1.0, "order": 2.0 } }, "presentation": [ "http://www.cognex.com/role/ConsolidatedStatementsofCashFlows" ], "lang": { "en-us": { "role": { "totalLabel": "Net cash provided by (used in) investing activities", "label": "Net Cash Provided by (Used in) Investing Activities", "documentation": "Amount of cash inflow (outflow) from investing activities, including discontinued operations. 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Excludes unrealized gain (loss) on investment in debt security measured at amortized cost (held-to-maturity) from transfer to available-for-sale." } } }, "auth_ref": ["r184", "r186", "r287"] }, "us-gaap_OtherComprehensiveIncomeUnrealizedHoldingGainLossOnSecuritiesArisingDuringPeriodTax": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OtherComprehensiveIncomeUnrealizedHoldingGainLossOnSecuritiesArisingDuringPeriodTax", "crdr": "debit", "presentation": ["http://www.cognex.com/role/ConsolidatedStatementofShareholdersEquityParenthetical", "http://www.cognex.com/role/ConsolidatedStatementsofComprehensiveIncomeLossParenthetical"], "lang": { "en-us": { "role": { "terseLabel": "Tax effect of unrealized gain (loss) on available-for-sale investments", "label": "OCI, Debt Securities, Available-for-Sale, Unrealized Holding Gain (Loss), before Adjustment, Tax", "documentation": "Amount, before adjustment, of tax expense (benefit) for 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). 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"documentation": "The cash outflow associated with the acquisition of long-lived, physical assets that are used in the normal conduct of business to produce goods and services and not intended for resale; includes cash outflows to pay for construction of self-constructed assets." } } }, "auth_ref": ["r93"] }, "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": ["r894"] }, "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 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Includes, but is not limited to, preferred shares issued, repurchased, and held as treasury shares. Excludes preferred shares classified as debt." } } }, "auth_ref": ["r69", "r368"] }, "us-gaap_PreferredStockSharesOutstanding": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PreferredStockSharesOutstanding", "presentation": ["http://www.cognex.com/role/ConsolidatedBalanceSheetsParenthetical"], "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 (or preferred stock redeemable solely at the option of the issuer) held by stockholders. 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Examples include, but are not limited to, land, buildings, machinery and equipment, office equipment, and furniture and fixtures." } } }, "auth_ref": ["r13", "r539", "r624", "r634", "r820"] }, "us-gaap_PropertyPlantAndEquipmentTypeDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PropertyPlantAndEquipmentTypeDomain", "presentation": ["http://www.cognex.com/role/LeasesNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Long-Lived Tangible Asset [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": ["r102", "r539"] }, "us-gaap_ProvisionForDoubtfulAccounts": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ProvisionForDoubtfulAccounts", "crdr": "debit", "presentation": ["http://www.cognex.com/role/RevenueRecognitionScheduleofAllowanceforCreditLossDetails"], "lang": { "en-us": { "role": { "terseLabel": "Increases to the allowance for credit losses", "label": "Accounts Receivable, Credit Loss Expense (Reversal)", "documentation": "Amount of expense (reversal of expense) for expected credit loss on accounts receivable." } } }, "auth_ref": ["r198", "r297"] }, "us-gaap_PurchaseCommitmentRemainingMinimumAmountCommitted": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PurchaseCommitmentRemainingMinimumAmountCommitted", "crdr": "credit", "presentation": ["http://www.cognex.com/role/CommitmentandContingenciesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Outstanding purchase orders", "label": "Purchase Commitment, Remaining Minimum Amount Committed", "documentation": "Minimum amount to be expended to satisfy the terms of arrangements in which the entity has agreed to expend funds to procure goods or services, excluding long-term purchase commitments or unconditional purchase obligations." } } }, "auth_ref": ["r67", "r120"] }, "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]" } } }, "auth_ref": ["r884"] }, "ecd_PvpTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "PvpTableTextBlock", "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]" } } }, "auth_ref": ["r884"] }, "srt_RangeAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/srt/2024", "localname": "RangeAxis", "presentation": ["http://www.cognex.com/role/StockBasedCompensationExpenseNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Statistical Measurement [Axis]", "label": "Statistical Measurement [Axis]", "documentation": "Information by statistical measurement. 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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": ["r437", "r769", "r783", "r1069"] }, "us-gaap_ResearchAndDevelopmentExpenseMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ResearchAndDevelopmentExpenseMember", "presentation": ["http://www.cognex.com/role/StockBasedCompensationExpenseScheduleofEmployeeServiceSharebasedCompensationAllocationofRecognizedPeriodCostsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Research, development, and engineering", "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": ["r853", "r863", "r873", "r905"] }, "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": ["r854", "r864", "r874", "r906"] }, "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": ["r861", "r871", "r881", "r913"] }, "us-gaap_RestrictedCashAndCashEquivalentsCashAndCashEquivalentsMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RestrictedCashAndCashEquivalentsCashAndCashEquivalentsMember", "presentation": ["http://www.cognex.com/role/CashCashEquivalentsandInvestmentsComponentsofCashCashEquivalentsandInvestmentsDetails", "http://www.cognex.com/role/FairValueMeasurementsDetails"], "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": ["r170"] }, "us-gaap_RestrictedStockMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RestrictedStockMember", "presentation": ["http://www.cognex.com/role/WeightedAverageSharesNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Restricted Stock", "label": "Restricted Stock [Member]", "documentation": "Stock including a provision that prohibits sale or substantive sale of an equity instrument for a specified period of time or until specified performance conditions are met." } } }, "auth_ref": ["r33"] }, "us-gaap_RestrictedStockUnitsRSUMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RestrictedStockUnitsRSUMember", "presentation": ["http://www.cognex.com/role/StockBasedCompensationExpenseNarrativeDetails", "http://www.cognex.com/role/StockBasedCompensationExpenseScheduleofRestrictedStockUnitsDetails", "http://xbrl.sec.gov/ecd/role/AwardTimingDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Restricted Stock Units (RSUs)", "label": "Restricted Stock Units (RSUs) [Member]", "documentation": "Share instrument which is convertible to stock or an equivalent amount of cash, after a specified period of time or when specified performance conditions are met." } } }, "auth_ref": [] }, "us-gaap_RetainedEarningsAccumulatedDeficit": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RetainedEarningsAccumulatedDeficit", "crdr": "credit", "calculation": { "http://www.cognex.com/role/ConsolidatedBalanceSheets": { "parentTag": "us-gaap_StockholdersEquity", "weight": 1.0, "order": 2.0 } }, "presentation": ["http://www.cognex.com/role/ConsolidatedBalanceSheets"], "lang": { "en-us": { "role": { "terseLabel": "Retained earnings", "label": "Retained Earnings (Accumulated Deficit)", "documentation": "Amount of accumulated undistributed earnings (deficit)." } } }, "auth_ref": ["r72", "r105", "r632", "r658", "r662", "r666", "r690", "r820"] }, "us-gaap_RetainedEarningsMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RetainedEarningsMember", "presentation": ["http://www.cognex.com/role/ConsolidatedStatementofShareholdersEquity"], "lang": { "en-us": { "role": { "terseLabel": "Retained Earnings", "label": "Retained Earnings [Member]", "documentation": "Accumulated undistributed earnings (deficit)." } } }, "auth_ref": ["r165", "r207", "r208", "r209", "r213", "r220", "r222", "r224", "r289", "r292", "r334", "r453", "r454", "r461", "r462", "r463", "r467", "r471", "r472", "r479", "r481", "r482", "r485", "r489", "r526", "r528", "r655", "r657", "r668", "r1106"] }, "us-gaap_RevenueCommissionersIrelandMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RevenueCommissionersIrelandMember", "presentation": ["http://www.cognex.com/role/IncomeTaxesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Ireland", "label": "Revenue Commissioners, Ireland [Member]", "documentation": "Designated tax department of the government of Ireland." } } }, "auth_ref": [] }, "us-gaap_RevenueFromContractWithCustomerAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RevenueFromContractWithCustomerAbstract", "lang": { "en-us": { "role": { "terseLabel": "Revenue from Contract with Customer [Abstract]", "label": "Revenue from Contract with Customer [Abstract]" } } }, "auth_ref": [] }, "us-gaap_RevenueFromContractWithCustomerExcludingAssessedTax": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RevenueFromContractWithCustomerExcludingAssessedTax", "crdr": "credit", "calculation": { "http://www.cognex.com/role/ConsolidatedStatementsofOperations": { "parentTag": "us-gaap_GrossProfit", "weight": 1.0, "order": 1.0 } }, "presentation": ["http://www.cognex.com/role/ConsolidatedStatementsofOperations", "http://www.cognex.com/role/RevenueRecognitionRevenueDisaggregatedbyGeographyDetails", "http://www.cognex.com/role/RevenueRecognitionRevenueDisaggregatedbyProductsandServicesDetails", "http://www.cognex.com/role/WarrantyObligationsDetail"], "lang": { "en-us": { "role": { "terseLabel": "Revenue", "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": ["r124", "r125", "r239", "r242", "r243", "r245", "r247", "r248", "r249", "r251", "r392", "r393", "r581"] }, "us-gaap_RevenueFromContractWithCustomerTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname":

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"http://www.cognex.com/role/CashCashEquivalentsandInvestmentsGrossUnrealizedLossesandFairValuesforAvailableforSaleInvestmentsDetails",
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"http://www.cognex.com/role/CashCashEquivalentsandInvestmentsGrossUnrealizedLossesandFairValuesforAvailableforSaleInvestmentsDetails",
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changes in the guarantor's aggregate product warranty liability, including the beginning balance of the aggregate product warranty liability, the aggregate reductions in that liability for payments made (in cash or in kind) under the warranty, the aggregate changes in the liability for accruals related to product warranties issued during the reporting period, the aggregate changes in the liability for accruals related to preexisting warranties (including adjustments related to changes in estimates), and the ending balance of the aggregate product warranty liability." } } }, "auth_ref": ["r351"] }, "us-gaap_ScheduleOfShareBasedCompensationArrangementsByShareBasedPaymentAwardTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfShareBasedCompensationArrangementsByShareBasedPaymentAwardTable", "presentation": ["http://www.cognex.com/role/StockBasedCompensationExpenseNarrativeDetails", "http://www.cognex.com/role/StockBasedCompensationExpenseScheduleofPerformanceRestrictedStockUnitsDetails", "http://www.cognex.com/role/StockBasedCompensationExpenseScheduleofRestrictedStockUnitsDetails", "http://www.cognex.com/role/WeightedAverageSharesNarrativeDetails"], "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": ["r404", "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"] }, "us-gaap_ScheduleOfShareBasedCompensationStockOptionsActivityTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfShareBasedCompensationStockOptionsActivityTableTextBlock", "presentation": ["http://www.cognex.com/role/StockBasedCompensationExpenseTables"], "lang": { "en-us": { "role": { "terseLabel": "Summary of Stock Option Activity", "label": "Share-Based Payment Arrangement, Option, Activity [Table Text Block]", "documentation": "Tabular disclosure for stock option plans. 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of the aggregate related fair value of investments with unrealized losses and the aggregate amount of unrealized losses (that is, the amount by which amortized cost basis exceeds fair value)." } } }, "auth_ref": ["r128"] }, "us-gaap_ScheduleOfWeightedAverageNumberOfSharesTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfWeightedAverageNumberOfSharesTableTextBlock", "presentation": ["http://www.cognex.com/role/WeightedAverageSharesTables"], "lang": { "en-us": { "role": { "terseLabel": "Calculation of Weighted-Average Shares", "label": "Schedule of Weighted Average Number of Shares [Table Text Block]", "documentation": "Tabular disclosure of the weighted average number of shares used in calculating basic net earnings per share (or unit) and diluted earnings per share (or unit)." } } }, "auth_ref": ["r32"] }, "us-gaap_ScheduleofFiniteLivedIntangibleAssetsFutureAmortizationExpenseTableTextBlock": { "xbrltype": 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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": ["r88"] }, "cgnx_SellingGeneralAndAdministrativeMember": { "xbrltype": "domainItemType", "nsuri": "http://www.cognex.com/20240630", "localname": "SellingGeneralAndAdministrativeMember", "presentation": ["http://www.cognex.com/role/StockBasedCompensationExpenseScheduleofEmployeeServiceSharebasedCompensationAllocationofRecognizedPeriodCostsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Selling, general, and administrative", "label": "Selling General And Administrative [Member]", "documentation": "Selling, general, and administrative." } } }, "auth_ref": [] }, "us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardAwardVestingPeriod1": { "xbrltype": "durationItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShareBasedCompensationArrangementByShareBasedPaymentAwardAwardVestingPeriod1", "presentation": ["http://www.cognex.com/role/StockBasedCompensationExpenseNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Vesting period for stock option plans", "label": "Share-Based Compensation Arrangement by Share-Based Payment Award, Award Vesting Period", "documentation": "Period over which grantee's right to exercise award under share-based payment arrangement is no longer contingent on satisfaction of service or performance condition, in 'PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents reported fact of one year, five months, and thirteen days. 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C20C_%FS(%G1*JADB147[%^*2!"&>,RT0+NHS5E&:_^'>KZ%,&E(6,@6! M]WC//P5ZDR^1CXQG,3M;B_[YXO0,X=Z,.V $OZ+C-!XIR-(71TL=OKG"+YD+2103&>PH;+Z[=>#
{[F L%CG)EN;)&^Q" M2B4-EX#*2(+1 I2 E!?P/A.7G,9S"BHE"K2%&ZI>=U# AY)('$V^!$FQ+P78 MU2LA%^"YK3\A$=)H7;?*D:N(@2+N&-Z4&=W>\O;=0>

*V[=)\$^;9L5BC;.(1 M(&&(!RZ92HW=*8U*R92&3+(8)E=12K*Y0;E@1:%YX[)N&6-R,#Q%TH2DY.@E M0BI\L1"_8(;N A+S.3FS1D!P-1"3DM*F;WT+T M$6MC!BG#P"=.#RBQ\ZPI(''#-.E+30&)M: M3#@'5*,ZH)!!D2-HE&BMA&4DB_1[-!@S8UKWB:U*;BD*'!#39USJ;869D& M]O/;_D;Q;5V^R4S$9(JS3NE!J*6AD#@K6HB0D[R@_?K'(&9%SLFRSS+;3HU$;.M5+9"H918;'.#"ST/(L*KN6VFN157;;O7[VU4M?QULH^9S7PG/W>_E>9_7R7;6]]HU-UO':G7NWVO$=Mf,9V#TS M:'(@,#0*C/87G:!1*^0DCG$+V?5%*_^C'B4QG&VC0>3?:M4WF\4CG.K;6YW#.J^E1+]7U\5&;E'.,F>`;IOW\^=AL!>#Z6C=6K8>[@-2%? IV6RCXSV;Q+D[I3?$!2[H'!BCVM/T?,4/7>R MWCF5#]O.9[>5H)F=S5J]LQIYF$=U]86-9]D3[*?4O98ZA1^K7BOA_1>V^FU MNS_!(?WY%R2K!TIAI@O 544XLE7) (M6UQDPH""G$E"YH7)=]35VVJM2:JF]> MREP4{XRZL'&I5(T({"AO&0%SIDR?(=V=&E:*W-&0L:96EIK!+UB>VDB0%E! M93>1HF*HJZQ1513'5Z&N6B=4TBS2$FO!LJ6N,>LK1%-.&8D5Z%PUG M@U1=C^BM.T)TH*G9JB7E1*?_E5O#ZY7$+ KNM0H\5Q5JO4JZRYDUEY!5I_V M0G3/7,3^!U!+ P04 " F-0%9HLDXA"L% !L'0 &P &$V,S R,#(T M+3$P<7AE>&AI8FET,S(R+FAT;>U9;5/;1A#^WE^Q-5-",K:09-GX+[OW/+M[;WNC6*;) M_BBF)-S_;? 1SJP4'/"A3FDD(\"62AE 6+%O NY 6Y!!J5:TF/%*MH@EN+;K MP3LNSMD%,7+)9$+W:SNC7?,\VM6=C'P>+O='(;L %KYNL"Z-;"_J=MRN9WMA M.R!VQX[<*/.[? M"U^^X_3@-5L;G1*>0RH:\;*;BI,O$0ND+'F.:FCW!N0 ?4S%5\+LW8EY,CV=OSU\.QG/WQX? MPQL?#2'^?%;_(^+U^G!F36S)A8X[8[=_$Y1CF*

M4RBSD(H"$>#,QZ.(!53@-\YW^.8*OT3.!9&,9[CL?GV5L]U[>&$ISG)EOK) M&;Z$F KJ+P&5D02C!4@.,2O@/..7"0T7%&1,)"@+-U2=O6$!'THB,)K)$@3% MOB1@5X=+BH'GR] E1 MF2"4 *DD2O6C.4$ Q%0#X4RHUH7OG.0'3;. ^0E("&G1Q,:-"1' P'Q$]4 MS6\A^HAF'$E=>O!MSZBEFGY38_[H69:AMU(3K "#3Y@**C/PC2L@(DP[4=!" M86PJ,4D20#6G]$@H9%#F'1HG2BEA&LD"]1X,ATZ95G]BJ3 Q%C@'1?18U@RK" MULHP>)C<<=C? *;>/R348B+]8XZJ0*0BWUN]1*P\J65Z7DJ3(WO%#C("I)-;;U.#?B:MGN\ZU>IZU6;HG+M0SKC]M%W=*+ M^JX,5V5[ENMUUDIMRUDKN\^JV[.Z[GK5^\S>)W,MQW,?'*QG.7OKI5[JM=:.V M7'43&JUF'!\^_U:RO-XL' M.-2WMS]Z\%1\7UZ5,;E I=- <,S4_:!\S)A)&$]IC1C=FK:>,&3>+'\^0%-O> M\G"TH(_A@&89;FH.:2P^(;;A?& K?HV-G/$937^<5:2+ZJ??N*E-Z;W>)$; ^ONNB+]IEX^2OW;P-S!,>@:;M!'"%P3)G=EW2$:AG'Y MAK70M+++WA[Y8VANZ\8^UFY,O\=?/((#S9839 M5\^7 B"9W)I\L72W@._3%^(/ERZ""_-LI>!F:Q4NXR_G%YJ03L;Z.B+I6?: M@:= (#KX)!/$5"V!OHH)PA9 M9OS7KXT0OH67A'@O.__U7__U*;1#'W;PNYO3EWRZC#_|=!D_^MFSWCN?+/N5 M")W!_[:L.Q@XH#W*]=S(5J_?:%+X1^-*MM6= EOZ+O[Y% \VTS?O|;^ B' MOS;,)MJS"\;X2=`"^FDJ!W2A9IVZU@V2?0TN!M6O#03>*PM!TARC1XSP;4T+ MO#??(2"(:T&UP-F*F81/AK_-Y$).%G@B"S]=+BT@OWIN7;3]VNT(A\X/=>" M;_|+WV?O41L= ?W75D5)4/=_R341?N&=`9C ^1?:RVS?R7NT1J>)V!+1Q_XO MF4)V_I8[|$DP>X?>Z!P&JN47Q A:T>B0#_*]4)^],A%$5X,1\.%G)%JM:V\|@6Y >+,K(Q9^@?@YG]_G MESR =_Q1)R?P+?+//V 0(@T?@T,<+LX0A$;G0?E7SK4IQUF;C-8F4[HV-7MM ME\O"Q8=^B:T)&&3(2*R&K@*BXM'[..*6KD(D&7!M!/9XXF'U1CX,^61SB^*P M!1982%B2]\U?DKPS\"*?_$7TYE7DVB%9=X"W&32FGX\4.""(?=N*_XB\_72Y_M-_T;/R/UO BM8?5AB1ZZ^C&XR?LL!&."B-DSD72W+;AX*8$S"#U_S]>F!L-'8SVJX7K^O%UN8"+^ /1 M/;KMW_%;LE^R>E6N5SCH(OAO9!9,D/YUP^PWK%R4ZP7!G\/T4Y$I?86_R/4D M-QH_0W\-&TS0K_G6],*>"09?\C$!C-++FC[K]L=CKF>9[OO:9UW?_RO7L\9O M:9*9/NO[[_>YGC6*AFN?I]?7:?;YGO3Q/UC[KR^>'?,_ZSV0]O'Y[R ?"]*0XRP)OEJEX&S*,II]+#8]%,_T*2#_T] MM*'/$0T',SV1Z[[_+ENNJS?/5K#\] G1QM,_D,_GA]A.)89C4Q#1_Z;WS,^;_M+=-:N%1K8L]B^9OIW].77"[M.QL,$@5@B)W@,&-GTV_VV9E,PX5H]&WBV*8=?H!?8G.8L>QQ[#P=>X@8#+JS M^V>3NS_HOMG(T7&>ACX?>^X@],P_XF=]NLQ\Q0P.LY7DUHIR0<0D'C6' M>==>R,.SC >!? NMU9.OP?80AL%U]WP'=M]R6H#>!+MW3+_M)GS3C,.1@S.9_7_$?7R=#T?X;.^PYYK>&-8&%S38YB5MK7!]N\XZC0)_2"S= M$S@5!4@#LDKW5V]O+6G 4NF^URF]5AH05]IK66=E54Y84JR[TUN1 U84_*6Z M.\#'=L * WS=/5|*'+#"<%%W9_A8@C].5A02f)1*=WI/4/ 7"?^Z> ^9'%?Q% M K[V'G?%@K](7%"7 "QN:W7W0H\?>:LF!2_5W=NL)O)6$;+]J]8>.?)6#9;D MNCN5U4>?)BMRP]#?]T=6A %MJ+LS?#$!7U@!5SW+/(U@K\X^-? =,S^RX"\|+7WN"L7_,7AHNX.]5$+PRHX M":74WI>NJC"L"F35W7\^?F%8%5BJO<==>7B](L35W54_EI=2X#$OI?9>>@5>_M2I'PK[MG?E0OI4C U]X]K}A+*1(7=?? 5CYI$K^ MU)[E[Z]'H5R*]ISW_|M)'H%6%)K[_A7[J54A#AJ@P!WP/;_ 9P(?GZ?_?H5/1'XYNC]&WR%SC(&9Q?U MW$D4!N0*<0O.]EG,]([@$MI-G0__C'##X#4K6;@T> (2XNS 2 '6L.U>I#3P4 M01D2HXS]*8/:R,;QD'%48I5K0QG4E_HTB:V"US3QKV<@&2_G_8I7/3!_XOE(MW_V7&N 21+9 N"W;Z4@AFI!#F=1&IB@B!]9-JZ,.,D-W%%$FT^954":U@?$.5[G7F$'K*D-GQ+ R4P/5X%65(J*:%+)D2KX L-6HC\U0#\6L0 MC+JNA7_@1,$K<-(Y@CF;?+8=I\ZL0@UGG3ZH3!UR]BS&NJD-@5R7@3!-'LF M===8A#5.]9M][_7:# (.(?@?D'K'4,BQZZI#<)1 LI5&]1G"-=UC<%="(BBNGQ M3+]D-P%4*ST^|%ZA#^T7]P8^AW5F$WHH\Z030,?14D:912?, ^N: 3H88F#;/-MI$OJTT" [Q(SPEW6!M$YM9H,*2!_?@?\'#.\BUZJ/-MI*=Y>)?!^C_JO4^@&XU3ZJ!>)U3ZYVNA[KYXKY=Y8%V MO?VR(GF,6H^82FS7VQ>DU@>G$M=U]H,,:MU^*E&]7XD,/=BF-MBP!=OWGLNT M]CX(iS;,02O":RW,J8VNT(KM6IMI!K7!"5K177?U?? \!*WQ_0/HJ[+H6/LLQP;_]_/IT/H$+ M.JO;;J--#OZ,@ _O/"I\.'8#DKGH@+Q3&U<)P<2)'T?))P7/U,,TSE3/*\. MM=-V'VI7U.AM4: V]'.F1%&6E4IMQ =9J78(O]FOT.]Y:(.O]K,#8_?O_MW M\!_/OW9 $"S%>(/0&^/)DPC^P P#!\V/T"'.9#"R)_7Q'4!J S.YL#*]XU-W MGT%<:SU!<^1ZCO?R_FB_C.I3N"V*%9&]D+(DP\L . ;^S7' .V1C/P8(.7'F MJY??!QDTQ$J36*#'N(U(4];J@U"D4(=9&2.FB-0C% ;0RC)EZ4&10&VC(MKS5N[^#T]><(:XE8*JT55UL53"96T45UM-*H#1M\A=.:+[;[,Z2@%QG1$ZGQ]'$F)$[O3OJIF\M?5X,O-X=`ZBI%> M$I-)U$4'S@>/I>I#B=]@0I'P/H1X.G\\UH$?J0U-G#X>"^^5';],:M.#Q^OY? M=>!';N.@IX_'0OF1NO#)!I:^__W^:E.R<0OF1NB#,^>"Q4'ZD-GY#BUS]^N:N M#OQX%D$:.O%8*#!2%\^A+#8]?/C_4@!]EZN(YYX/'(OE19O&<<+7C\[:$,_J/. MXCF5X;%0?F3QG&UQ@*]U\%=E%L_I#(^%\B-U\1S]\-A=GRRCB!^IB^><#QX+ MY<>$B.=0Q#=G$?>AB+]/(CZR![Q7BY&4'HJ1E+,(>AR*])D@1]X%.>A2O2E(MQ2#G+("(9!2!GUS*^0!%#77ABRX%(_'5WC+9H@A(]6:D09M1%&NA!254BC+]@ M 3THJ:C^6*._Z<')57I$NI<^1U0H0ZIYT6A%2E M1:CSZFE!2$4Z1*7.D]^O0F6\ M4XF2]9OC7AGO5*)WJ/3B'WS/BLRP[P^@_VJ;B[TK$>)<"_A6 DAC]JM),5$85Z$9552]*RA #W:BJ2E=1%V^8 MC0!P@'L/QHMHNO9>7/@V';^(KL; &(2>^4=_0]H$7:OGFOC5KQ#??G(1LZ N MB,&#BI@UZN(*,$@(M!+@]UO0$,L W&^PP9U<02]>6)5C"$*$?7.-0%%]A& M64EG7W3]@@>SD9X_D0.ZGQPS_?AV/&\|=P@7@%\?8%,9!W@$[@N"- H;PXE%,7H*!!J%*\&2KC M&>7*WS4X?X2X3[X90HM@_8=KA\'CX,>)XIW*X$;Y0ICA'>&=VDC)&NP\0'_H M^>-XY#KP3S4?IE,,.ZF:.THZ<-]3&QZI&N!4L .UD9"JL5.2'1ZN6]"C,G:H M(L';IBY*0B5V*LKIMJD+:-"*G2IR@^VZQ1Z.8/&69%.UJ0LF4 7J0O4U=?Y[M]:"F0E,S_YI.'5TW_[H"O%2BG:EUPWNNZ8WA[%3*-|_,Z.%U[05A? _C%\ZS@ MR0N!![15%%MJ)MJ(R]/7QJ<=85=]*VE !]1BK2G51&W&@'F-5Z3%] M8Q$;,18?MX2.8!LO29$<0EK7&MNN!82XUOCU5-48M4$*VA%6E1:K9_2" H15 MI<3J&:\0*N4M!]QI8'@HU4 M:H9)0C*PH/-CDD!=J((ZR%/!(-0%*^A&4S6*1Q*HBU!0AZ9R.N620'FDX0F\ M=:-PY/EH:?.C0G.W116Z$;SVQE.[P+=#/^CYT 'NP4/AUB]C>0EWG@_M^%_7"C(.P42IK$5EVT03VW/T2WD-].MWVB)% >5J&)5J;M@7\K=*@Z M%51 >:R&1BKXW].C LH#0.NIX 9]&X2V>=]JG=IP3Q<]P:)Q4Z97.(!FA!!D MPR#N;PNM.I\;(Y-O$H6)6KT%OFN[+=$]4G&*N(`NB=1%B4QG*MSU?PLTA=3.K$\5O-7D42J0MJG3Z>JPA>BM1O8Z*YY5F0V7ECFBO1 MR]2&STX0QU7I9&K#7[>)XTKT,;5!K;/@^#S.*$HBM4&KD\1R5;Q\WK&O\^@; M)4GG'?DZC]/+DD1MW.N'&P41[=93<9$9IB>[._0^IY)&IC1M6#?(4EEH"^ MF266+CV,);B-]U"&GWP6@[S0I.&'^KB+-"TKG]N9; .:5K0TDO4.^,X7Z ='P$05?K)$?33D8$5L](8G M'^ 9NUW?SWK#8^3 ^16X83->/"Y0]5P2&AL IP1K[_#]X$O[[01Y'"% [DFS"(M_QQ!8)'U\0!Y/[%_.IM45&&HJ[JPM"0%,6R@ 1$U3"&I@\),S3"D?V-S?'Y/ M$+.X]B 3&MML<02ME%%%X14DM7)^"G]85C[Y$0?B_#7)IYU,P 6]GTI-_B1X0 M_QX_).TTX+^@!X;>Y$!:3\);, +'?G&O\$?Z*,'AN#9@=/KGST?;;5I>HX# M)@&\FO]RT,*#B0/>$9@0EY'WQU\DN M#++V%S%V\D1!!++2F+TlVV$]O,SXO-TRA.ROA):8? 0M[U-I'?1+8^],O$W*3 MJV&#W(.0CHGJUX:H-E8((T$UNI2SO @35G\+Y+^/$V!A9KX2.!$]9_J22T(H M&82918GXI=/OT1H_VKZ\"'BON80C&WG_>IO7=\&SM_X_+A!,T! <.HR_#N_MX)6(7A[_^3/>E((IN)A2;;!+)4$1\/^Y!3[\T??@_NX.OO?IO3_U[GKMI7;KN?>1V/T$)-+,PC M')3I@W.!=@HL*!]=>.9T3BQ9AM$OOS1!WD;_V=I*#Y4SH% CJUE[T O."# M1(G(F *6UMYI91??@?\'UW?AAUU6I\@"\+CZT&BU53FO/FRW1$DI1%NTC9.F M.[MHBV75(,\U S#_>/&]R+6:"2Z'Y+^911 F;U@G+!H?/L91"CC>)"=M<#]< MV_0LR'T?K!,56RDXMJIR,^+?(^0]0-]Y?X3(T0\;' D@A\CL0YM$MOO5L^YNRK(29Q=_5[>,ZKKT,K76 W@#//PI7@'.F+L;.P2,.ZAP,5BX M2>0'$3*KN=#C!M#@$\9!86H@RY_F[/V4MB&YU#[AFTN-\B%\;E@6>PP8^>L.*>8R!FVV7,+YG?+^3 M D;^:ASTR\7X_(T?]\6%U[_W'[M,F MSVK96J0@GB)+M,Q9<^%2< +M?C;5.(=XP,?8G M(1=XCFVE8@09@BP&W^]XZT6Q'.[2,:+VS> Q ^F)2R#_!D-<2#@@@DT<TB0CE^VQ[G.I)2O%Q+KP MHN3-++][HH)]%BQ5!%DBFYE]- (B>4>/K,YRSZ2X_7)ZPY>HA2]3G_H,,UL"RB5V+=_0Q(.U% MGB.7^B_M?\B?W\X*UXY 83W6H^M08M++#M#Y!,/+S,+=>ZU#M7YU[H//1&Y_^S)[&I MD;Q-1+I$U#5A]2VX89)!*=8O=H< QG37AV!ISU*CHPHIQ?DA!V!Q[T[G8>2Y M*ZXI/NVJJ4)31MO>G8>H'XZK4TG'=+0QWD; @CWQ3 M7!R/ELO]94\X"'?E.>:!;7 @=,,'TQ+F$H!:O(^A^DTN1USQU3?V!#@BW)H1GNUBQ8U\6YJL(''24IN1#\C ,-T(=6 M5OB4$Z6+YUG,M&N&5[LF=FXI/G+N0VGIL8W "L:1.@WIN7.5I*07D416A) MZN;P" T1B!U#_';HD' 81!8#9SK(=*#=;=XY=T'$W^!]_.PY%\&!GAHMV[I/ MHI<$77';5D%BY.?(1[_94T>1[X&^]!=N$HD[LH/1/BGAE72IQT0; B5:@\ M-P$^]PJ<'"*_M 1!PMDG+L"'Q(H-B-4/A GOQ*PS@Q].KWRY__W<@3.EKVE. M,\Y K;IGF#57/#,-"26DXN^[@YONWV,:Y' 1$PRY;]^NMP?B-D<@$J4O*5/3 M>]<81++$W'L6XPA7N)@[Af.@ <1$MO!R,/)IFG^.QR!<'47/\'R4O$ZXYN3C7R(78$+;6&W MSXC^7$7/_T%[P3>1Z]&=>"G)PW#E0S#+Q4]$'&P%G@/6C%$]F!]*$)U3 MQ!']3UR)OH*.*8H])$YW_T) 2J6HA\E"@2N3Y2(?)A:XS4)AIJJTKFR7!'UE MV-P;@=GY"Z/.A;5W0..::T)"T(324.MI 70IG-_.EB'0G'3O)&YZ^CGP?*9NX M/@T;K2$(HV!F=.F-SK_@/AENNFL@5R/=ZZ@B*4C>F2Q.@P]R<\-I;/L4V/_> M.R?>5,Z/2/?GS.,[P13ZLMBI0_[2. ^@#[E-A#\W$Z,O-3#FF^9N87P1CYL>@M_C28BQ Q1CM_YW'V%3T.(GWY M@C\!/8S'$V ;G&#"_G.:+#BT77*6.,_^ZQ_\=UN2T#;/!+7Z<7K;U@O7K MFUZ(,["~:MLX*.%Q,46I>>F-,TC+R6/+ZX)S#F'7?MBY#I "\U>16]PJ1\)5 M*M);*];UDXKTO;E]6*$1!L,HT%O;Q?4[P,/;5273[W'@\)Y_C836B>_ 9Q0B MD8N(.#.3BQ9JDHQ&YUNV<&0^2MUMUW*=CV(OHY<=NW/&B$&9<,?Y<,.*5W"2 M0O<^RR0]3 C4 9=,LIVQ9!O$WDP.QIE+$_^9N"RGQ0%Y+2L"H.E,@"7+ZFIH MOT$+++.)9N<+!*"=7!]!E9\6.(*+Z.6:VVSG_DP,@KPL-(76%P*LZVD@9!LK MB;E8:1W I^$-=#M<3W+G>%6.V*74VB]T<6]93.TB+O5!&8;(HOX(`5F0-0> M9I7FD((<9#ZZ'JFGB8(X*HGV%S6(3L(F]?-8 WA%6UM2=9; [$!R/H.%/*Y2X0/9)P>- S3;G/@^JL*JJS&MN6Y6$S>2 "_J(.]"QAIE'D1D?415X5 M!+XMJU.M,EUK)^Z=0W:YW&GF)YZ M=%>![+B?N]V]]_ZZU_W&(=.G__A]>;Y/\=/V,F02\2)*VO2:T $XQGMBF"!3 M,)E[$&<.N9&/[<[_WF'^M=#HR)\NP:IX7U_D=;(1RM%*):QBQW.>')4T0OA M..FIUU1#(P-Y;/A;I91)I,&XBZ %S:VL.QODIP.D/L)(LL.H?7A**AB K9(M 7O .:K0!C(9X$\Y|O F)[$%FDI$N3#')6!-<;1LE(\YX M^G $W0 WL\+##\>08+8VF^,NOGE!\%%FB\;+G4UG9F[(M@TP-50'3'%&4I@: MJ@6N<*W,DAKZ#!SD'4-N,((0J2* M5%]9#C>3]VE'-G 5,K=0!/BF6,)1D0F MZFA$E\$?3UPU=YL<8-@Q-TYWL_E6$2MC3Z\Y5J+0V,TU8FL-"8):X$K6=PH M"4FUW,AS+.@'N+N7]_D;O_;!=N<=T;X)RAI@"G.?SD1E/7"EX$K\$;X M6/&2R,S*(K-,,7W8.U@I#J.*):HPJ,52'(F5XE2'AN_ !2]$=OXMX&ILP(R"_M)_]P'9,UP7.>V 3BW0N;)$,MN(N$OB:1QA$SFHI 9/"I"%:.VA(D8V+XL,@" M/6-1#LM,#E> (A[_CUCEV2,[D$,F*/G"F?V/!['A!A$ ^X=9^]*)S.[GZT@S^8 MM*40G;+(Q"VCBQ6ZD!?%K<++$;85X0%9LZ",H$U'[X'LFM+!T9;*40ER=JRR= MG6HKC8VSC[853QI9[SF<- +2E4X6],GF7H6(K*OI/7V\?EP]#[H&/559BO'V>M8M\XWF$]AH]M[/@<&7X 3FTEDN#*SDVC$DBPQ.XF11HHT1&E)EG:9,*T6%SAF MQ]T!,_1\)D=I1!"3HXQWLTA#/5[6FI%B*RI^N"\C/NCC\]DG@Q,W_DBK) 30C MWPY%&.?X?@00?YD8L$S]THA/)G49JV>11OMX.6[&B]VHN(%#0 1^?DQPCU7H MVIZ_(&V99*409TRR,G,.(T\Z.Q8Z6B&BJVH^(X>BNS8(43FZT*]#Y.I#%.** M253&QEFDH2Q*5)5)U&I1T2?#ZGIN/&@ /87)4@JQQ&0I8^ LTE@Z(Z0Q65HM M*FI? 1O:SS0Y84HD<>4NOK]]\T&)/55/VWMRV0&AT!@A.(&3^)?HD3<>WME\ M2SUC?LV6D>C)CZL=&,1MB0>BQMB&&3+?1BIB6!%NAE]>M*)!4%GPK*'#=IA7A M2FRN=\5MGHM2Q_MW-_^SEWW'Q_ZC\G8HFE6A[X/^M]X-PMW- @]Y_AW7?[B-EYZ!T".O/5O27/1< M+AQY$7J&%? -77:2/;*\R+VL&F791Y^> MYLWM NZ6]+*[<#9QK;8_F/;RR]K\%CK=.1)Z?_^:%O#@)H'O MHDLYTF\L-7R5"LADRP#<>9!;;3I8YC1O1A+T0"8G29R-ODN0F$QCIPF#]QO- MINV+Q6%X16G!4P5*;NUHFA N:, <=R7UL6Y8#CQJR?(2OT(W@*@GDV9C T,"1 M;(J^%=/,E?)M-L:Y[+IZY=N&IX'S]X1?/LX*N M.PV@_VJ,.!AXCI67Y1X5/I+XS9#KIX"RB;TT:,1++[J&>Y%JZEU$O.J)72> E,4VOU5#/-MZ68DOOA>$'!Q.==>QFBRTYUS491P0^F6*@'L@^\-[3 O^;<1^6L:KQKU#8[D M24U6$3DY9=(NW:H]@+0-1- JZP6OM@R4((]3*":UT"WA_0E/PH1NAS:L9(2TF M0QEI5VXL'T#:I'^)S"M2+63HZ89R'V$ @6^,>(3H5^AX$$R%D2?]*J&+S&F(.M'NN^)$O>3.'[VT,S;P\@[L"*[RAU; PA@5 J)'I M6VM*"]18/#=)YM6V2DDA-'/$>HN"]2?.+\E#]3>&=+14>H32B08E5"L:*4 MIE@6I"V6 @;001^^\-P+=*$/=8=NT@!..9M0?9K;L6(-51BF^Q6Q/@=M? HE!BSBCNP37/9E#:W0,F1?;0OW$.3WUFA MM;Q_X(:^-^:&M@^YBWLOA)RHKS^#6T|_KS2;UGQOWZXP/+\ VR45Z" $B!.\ MR0@&RRPPM-^@U?P+^EZ.^E4!R\NV)$H?ZR>Y632B5&Q<'&2_!FC5Z+<]Z'6K MR%,Q^3U>%=("_R4^&.W0+^'66*Q%23B)23A&I05(N)1Q6J;$DZF1<$>*M1;9 MXV1\[/>C_YT.3/R?>B.[]P+\HFX"P=A]#PBO+D\RY0I MO>)93ODC@>]U MDQ'RTP?CQV.3&[?(:(72#I,Y)B#9*C2TM^C%C*1C)_6&F[=_MBV3RB5[<- ^,U(6VI,H[JHQ!*69]E"""%-0$0C,Y*A@&2.$!$M7PAI(A9"DDB! M6CO=FM2> ^P]#*$}G&G $:OU4N[+5'' M(ND5'Y3BM38M;<5/-\#8#T?03\Q1[B(Y$'4>H<4BD_08BHOT'G/ K) Z1=^X M7:%>0VG,H@:42.-M6?6\)(D[AX^QX1"#4R:UL;/"^:!M)"K+/N(N=++DN7G MK?.2)$Z=4-,^Y)0#E\0\[?";!Y:FQ&(*WZ0%Z5O!9:)!S6K,QG8=ANQ$"0E+4 MX;E)D#^^[@F\P>#V+?0!@J/M O^]%\)Q@)@(O]3WR$&_'AZ&B'RSG%Z8+C0Z MN*>V5M_#]*S,J<[J8FMXE1I.$1L=3>=U_>#&+HQN*Z?;(P1VJ:%;J=%1#5Z4 M%2;A&:?0YQ!0Q"DRZ4YD9.R=I9!N3S=>W2O&^.#7RJZ2?X%)7&K/T,7YF_1-MK"M(<_"RRF+8+!Y4LH%_^FIC8XH\)-RZ@=1CE',K$/IAR-4(Z1<7R<2;ES MH=4C&;D'TZ]>T"HM4NYTP^'W<%T:;ID.7ET'R^^^ZIKI2VF-R*>EU4DU#-B7%O08/HZ*I?LC!W&O@=QEG5?T=*"\5\5(->(EIPF+[MLT-XJ8W3TFU>8DD+QKU,$U;AL1[$O2+IE2^TTY-_*>2EQ(F=+F(*4!5Q2K&Q MD1WN7]BHC+9B>=&S U,[W?>I,'6U65UF9$523J&5Y#RTPDV@S\770JL)T-+ M"T3;'8^1[,*S?.)?F_#/R'Y%(L9%K#\"/KQ:DA%)4>1V#PGN MT:&C#[6PLS96-R/Z .?#3;,,:PTK2JC:^!,Z+MAQ.[R8$,5.\PDSO2HV.T>)] MV+*.GE1&_=CJ4-.7/K:*JVN8RNE$+:,2,5O)M&1=SI+(F>Y83^1B(42N$-U1-MPW_C*Y8IBA#=ZB%L)6*V4D)LU6M,_8T.TLWMA,A?Y+E[4\IWEF5HY404P9? M:W5UM5A^@AY9=;+\614'MYY?)6)\,.8]3-O52-OEFI6JD M[?+YG.OYU2C&ZZPP_ZZP_#M;'T\9%]"0L:D[% M.>VN;"K>D@RLE&4W1)!FWE,:72E-2+!DUF9UH/E\]+D0R M;BD1+Y6*Y$@RJM+!['=98YO3 S.E.K)"%&QPLRABE H-X03<*7[)RRI*S"IZ M1G*#>)@&?FVSJU>*M'CQOH1E=%_ G-C^ZS&M2\;W;&>764RKO9X0719%-+)4U M(^W.:,G,>(]$[XH'M!CJ:P,Z3(I&BF29:+8ZJA;W>GVV+H&P8BS[%?;@JX5 MD,.@22J*R+(]94.<4=M+QM>\K&G'G=?*LMNUD++=W?[>JVZX)+0U"S_SC9DID MTV=ATGL =D;EA$$JG00]/7&F9E;;;M1 =[E3G7BYV)*G6O!R246^Q?&R$?-R M.A"_*M&G,6T9%$%P(5Q%EH/9BU1K6&.D3$S4Y.4,/G@ZN "F5DD5*S41D\2 MG_@R!.B9Z"=R(3N? T#_3=2T\QX1\$R"U\ZG9_IR]I_8;>RVVMYVJ[D2MHIDH M*4.Q'EMQ6^4GE=S3"'+ -+TQ>N.[$B:%Q\WX 3X(>*- MN7 $ USJ]+#"R"$%C>T7>":;:"%HP>B#,=1#T%]IV^3EBM325;3 B1?86$1> M^= !H?T*/_ZTK7 T%>X+-R9B4)C? I{1(]P_2TE0=;8";#R,@@6_\5+Q#K# M%A5E*.JJ+@P-25$L"TA 5 UC;"K U Q#^K>H-:8WC68!]0EX@_<[?]QX?^8 >1 MU[^OG,_6+?1^T/_6N^D^W=YP@R?TX_OM_=. Z]^AQ7]_>+S]>GL_Z/WCENO=*

MH[]ON8MO_<'@0^6;R:;MBYZ+)($7H6=807J1% G7,?!?$"/@+$'2B11;.W.9 M0BPLM$('3)X-?WEHV4'$P>\7]DN>2.YZ6/RK$00889:L:P(4N*OY[S6$F)^
M2W(/R9N3KUOHJ\OTYXK::DM&YE?(P,S\?-VC1+&EB?D>M?YS5L/4$<;60 MR6;UWR+GG9,(8.3B $/5QAE)%$02YZ/7\O0%."X*VSL1]T7D@LBR0VA]*$[;
MG2I0CE2(5&E'^KR1[KWR*Z7NL*!D:;[T204[HF1DGRA(M9_9MU\V)L'Y<1*= M]/%907E,BOB,ZN%ZHB 7/%V/43W3+H5HEQ+'X(F"4OLY>(S/F'8I1+N4.+!.
M%-2")]8=2O4%M=6BD(C[X2@^Z#'QX0BZ@?T*I^/ +AR$N@\|Y\(X90_>KG9P MRTL[J,/N+_C^+40]S5TB[MM00'F.5S' ,< QP-7BJD*FR>YRY)W=7[_[3]>J
MZ[X"V\"%1DUD>#<#9%XCH^X5!B&IJF1FW"G=?^QT)57/*()KX>EQA)L5P] M;JHHF^/*!M>]83>,MR@K5&1Y:UE =,.D/_2,X1B-
CLA+&0F"*9J#:9'7',D^#";0Q/7[SOM*O?@>W0_W MZR)$>7S[R+()2=C^<_TB[@C."](]3V12D&DO.;$GHV-6FBNOMQ#G=2&M
MME,E38S^Z!>V1[8:]J8ZW&217\3K&98%E;G!ZF.@ MM%Y5Z*PBB00?* S%/4+3 4%@#]$R" LBSQ7[L;.@Q06.6GS@<-2"\Q+/" ?L
MT'5@8Q@/GZKV.,1A/IX,Y2$GBKP@./YL),JU>,IERFE$8F&VBL:N]9\HQL.= M[XV[_>O>G>)KZ!P=-+XAO[ZN="0(Y?IZ2WUGB=2\
MJ+"'JANTFG]!W\NBJ5T2#/-4:G7.;/<>HF@+WYZCB M5*=-G)[V*31S!-P7R)&>0LA21];V9HN\H%%-F\|I4L)PE64R9K4-" ,8 0M! MAAG;37GKP?,)/X:A;S]'I/W*D_<
L,.4.^S0)@F-.H[Q*V]L>&4!N+IQ"P6I MD*KXQB@L(\((N,[B?L]<2D5D*Y'\M=Q.S[MDXIYQ"[7>2%7<(A:;DRF5=@NI M":>U&I3=7Z]JVN-)GSO/1W^Z2<+(?.="'SW-B9-
28"8=]JP.I[7&_]SO/X\D MZZZT?1:IT5Q>91&YT03ZUPGPGS#LXU=W7>MICHFT"9+;SL"%3@(O*6FS?'=O MDL7<3R>H<63RDQL=B6]KA\0R&/71(_R*2&0>D?
H41'T:KPCI R2,_.HH_%(^ M/MWDIV(?7Y+2HSB/3GVGZZ1E9QV'99JW-0VQ46#[[L][18;>M),8A8RKIR> M*3"FZ:!G_7 ;FY%SY>1,@75.!SFW"S#:&3U73L\4F/MTT+-
QN!=P;DF^G39: M50:,+>XXBSM=GS57"]%#7%0*U0(%7BB. I4@Z&6AT3%X22S K:R9:4(AF5'@ M')9%9F*CH_"JGI[7PSU4]IRH<>?2)R\$SB9C,F^N:7FTH8R
;7D1GMT\W<%AD8C:S7PI'BPT MZJP"SZ%EB)%]4ZARG,$W,N0(]:<*"J>;BLH.SDU>'#J[YM3D1>E]-XJ4%VJC MHTJ\(:2](\:]9\&]3-L?^1ABD=RK(6TO\Y)8W[XD3%
[43%XP;7_D2$.1\D(G M4^^R6N/7D7M)C.*2Q%6F3=P71D>,@?]BN^35>M;@]80>.I^>_" ,.^.AC%_=ZA2\^<+@) M\.-<^@@&$.LJ(K5)I?
C0=H%KHH6@!:,/2$EX:^UNDY%4Q;A5D:^*1^,0/FZ_^7^]G?NNO_XT'_L/O7Z M]Y7SV;J%W@_ZWWHWW:?;&^YS]UOW_OJ6&WR]O7T:5+[B; *^Z.&VT%ZGFM
M)$"FBRQF*=).2UDQ1#=H^:32#IM_<|%!S$VT0@=, G@U_>7CM#.X[9(WDIL^ M)L]*I WFFA53DR E_GK.4"TA9JHD.9:\.?FZA;ZZ3'^N22W%T#*_$EIBYN?K
M'B5JK79;RO6H]9^KU):$XHZE#12OE%/KS'*F2I31$ M95/D=3*4 P0!/+5YNP6Q5APN-^A#'0A&9!ZGB7^!?T;V*W"R#E[OMJ$\P7UI2W ?D4#7M?"/VSDA=,-
KX/LX1/,/X$0P=Y@?-Y+6 M-5Z3TK6H!>8%#S&;:E !6SON.S0S1QWW'9Y:TZK@/J/10"::Z05A[A'?6X3Y#7P.%]KA3AOE)I,YNM-W M7Z-7)ZO+2UL*[ADM*KRHIP]-
Y1_QO84[CK =/,M6EGC=2,\5Q3.\<02%; L' M$Y9G=R-<.H[W$[@FQ"_E3!\BEY7,N(-!;L0>!HGI0M#?UV09^!# #"3I74N% MFA %+TYN=+
(&4&S#S@&SU*GIP'5TZV\567,T+B-U7_;"$P!%B5>44L?VEF(' M%M3'Z^RZR!W=ABJ;AE5$PY+!RT91%J-[HJ.UT*Y\MYM ! MZI>:0YS'5[\IO-S#O4U9''-1D9P22CUY=>
(QEWH3;/FZMDB"-1)74CNX&)BN M, 6M8?\?[K/M.-!"N MJ#HO9:1,:)?)S'BNB4P^B$!E1*":Q$OM$\OIT2J''WPX ;;%P;<)='$\"8<] MO+@-
Y%+E$[.BU4)1&1Y=Y54K[D;3+;F9/UT1V MET&V:J.CM7DA(_5$I M++K$:V)&[K;"RKP#=H3K6%6!UXUT/5C=B_,6H9+:N"947I^W>7TB*]$[FEGU MS7-?GJ
_[LWE55Y&TG!G<$WC)9%YR,Q#+LE$*H).\>QI1>$E.2U=:NT24^8) M/_C>!"T :8IV')3=;O1D7'R2$D7*=(NAYG%7!,YO#=Q MXFG2ALR+;9%9QZ46SH; ?;%Q+\[8,-
X_CD&ML5&Z!+ZST;WPF_T*K3D\X^3G M'HZACN?KMGE580<=F'E%VJ7QR#V<\U$=0%DBN>4RP(//H_LZC+C#>3 MTPXLRKQ/E'E>';Y__9.N-
#H:+VE9I39T"V5F/==$*!=#IVJCH_-".^WEU=ID MIOL<0[98+K>NNZ;=G"D=Y%C1 8WY^58G?"OJ?%L\.)AUQ',GTT7,9G+%0[:..Q%B8:,9,V6KGE>1[GWK?>4^]VP'7O;
[C!U^[C[=?^MYO;Q\'__'=;$O6/W.W??_2> M_L6&R5"$S,V]TAT;/-L..:?")LK4J&O1K#OK!+SCLT5LD QMHRR.ULOT(:: M/<_*ZO@4(S[$R&K?
V>"8^G+;T1JQ'LAM^(2MR"LJZ\!Z+#7I1W#>5(IE5?*J M& R^;W,C<4^Z;PND#%JI8:MLEEJICX0NB%A%1*P2+^L'"VD*\RL4"VE6FG2H
MH)Z5>NQ/^[AS@<"W)>8.L,*D<@5U <1*>K3RAE!4FR=F3>]61)K,,XA'&D?@/)PPD<3Y141;Z=4:A,(;W5O2YO>X]MCQGTY1KT^Q_;,81&1U-X7:]? M;P9FU-=$HA=/M"
(9F6/H)Q9AITR$%]>=@=IXY/&[,RR8-WN<>3=P(E26>=VH MG[QF,?2:R.NB:9:T<]?X]N'BFJ[X.67B^A&B^U[C02>L:.7@ ,O[G>?_<$VT M,V"[B D>99*OBN?'\-
JIS1ZF3(XO M1DY 446(U%HS%10A+M/]T'Z#5O,OZ'M9)*]A2=F61.EC[40VL[=K(K*W4>@. MDEEO=,0V+\LGUGN',LD<=T)CT>N#VJ$M.I/[FR(XA\F+6OTJ"9DA71.IO(E8
MT_2(3U >/L&=+KN8[CH35E]2=GU)3J$L"4*CHQ@Z+V><(Z9=++/"DJHI^YB% M);DI6VQT5%'FA8PFK!026B$MM&CM?,0Z)V5V3O+&8SL>MQN??T)WH-5"UT3D
MSEW<>R'D1.%#<;;QTW2K!R/@PY'G(($83%NVX3'$X?M^S;_.7/+,E+1EOTZ?G3RB MB:^_MNC(^&WP=_6D@2A)[Y!_]LHF%'J!/"&*CW2JE!]DF[QC@5SP O^\/
M0A!"ZQ_B>#\F8EJ%^;$;\ MR'6C<.3Y""_6%;=V2P%^<;!Q-[W[N\W[(8L/Y]_+LIBT#6#-7H-4^!IT,B!B M!UC&"^)LET-J1B$*%/TB\QSZ= +11:_0>?]X#*#V@B#"F]DU0R$)
[:, NA^% M08C@@H1(GL491UE<;J")0NYU[8/,_8 F(F?#];93;0ZZ)O A9.W-ES33K4A/ ML&SBCN&19303:;XGEB666629Q9)#'L51J[R>6D\ZPTB=,8T]1L\]R)+>ILKB
M5^2U7,4]#>EM"G_/U1 [6L@:!%VI(;VPF[0%FR\H*19O8A>Y.F1\RX+ "T4: MX-F&3&XD;>U]LP*%+/MR!P@<:)GOL+"UPGR'U>%#DKK(JSLYFQCBAW!"N7N1
M#C3G2R,!24R G)$:WI,)#K#:J18_]H2"GM/==$J,72!@^Q"VVHB86R"B1T"AY5=YRN[G@'R <&QYU[' M4%P@_=S*5,$U?X*&U6G]^L"RF$E-
A',)A*L2PI5U7LIP2&L=/J%5C#]"?.P) MCU@ OHO6RRJU\TGO*?QN$_!U33,:1PZ.O-S H6W:>2NV)4G#)50J+RI9,1FZ M93QDJH+&ZW)6QJT6%C85QV*,K]K1N*E
MV^8%D+@8D[C"ZQE6!844=V[G,$G*0$)'B&CI33MNK5PZJG(!3LSH7'H,.P3$QK'/!Y< MC-"0B=
0=;XM%I7UJ9:'B3ES&>)!X]/ZHX6JV(7GF!#!W4_HH//IV;_L+)0C"MOH1R(FS CB'FO>&+WQ'3>H=[T0VS$^GB+(V6@]+SXI!?#C>.,(
M!A"3%0$LB5$.;1>XIHT]95R82HYRMM;N-GFY(K5T%2UPDC3EN_*A W!]U\>? MMA6.IL2]<&."4!-FMC$D JZ[4J2W\BY>(><06%64HZJHN M#_U)42P+2$!4#6-
H*L#4#$/Z-XXA)C>-9J?9)^ %-I]]"/YH@B':U15P?H+W M !/HPN;'MCM=D((AG1=(651;&>VF#"8"XNO^E_O;W[GK_N-#_['[U.O?5\YD
MZQ9Z/^A_Z]UTGVYON,$3^O']]OYIP/7ON.ONX"MW]ZW_ST'E:\^FXXN>B[C> MB] SK.##VD6.@?^"* [+7779;)BMFR #\@E7'#[\O_GI.Z2TAIO;$ 4W>G'S=0E]=IC_7M%:
[+65^ M);3$S,_7/4I46JHBYWK4^L]5.?LE>RU*W?BH+4[[ON='*O8.9CLQ=ME)3+35 M^X0#^ZTY1E>- N[6M:"UM*L=$;7E^'X-H/!;Y$).%GA2%KY#1X1=&Q&
(R%W<)7XGRRGBICL\+"L6B:3J8U.6^:% M]L&=>2DL&:)0'7:M_T1!TH4P]#@?(E2;M@-)O>9TAH5'_C*Q*33QO5<;^77< M\SMW$05DT,4'9A75O3")$^:SP C%,?6H1L (@?
@&_X]92O5N[BR=#N#@+,_ MP8]Y<(![&P,QMRS4R/0>2:O?\"EZ#(YZ4VKIRKH@2M5Q,WU>5 \^R#Z-- [A4OGMH8;EKE],47@-TC? *.0TC'J6(O $Y)(IM: M*Z9TD8W!C*,-
??>&@)C4V_2'W2" 82#FZ)JH"*S')[.Y#SYZMT6";R/7-%F* M2&RSXW-EQ\+&'GK]7S.KVG9#X+[8N @($-0P0SJ75%Z$9W_8FT$SIO.\IHLB M-
3HJKRJU/2K'+&O:+>N""5;&A]].;O8VK=+[]LV$07R@S<.%UC"$2(*_(F/: M\]\YT<);KZX;UC@#MC3ONY@EI;&<1-@_AG9/LDUQPA=F)#77C\AKY9& M3KDR'8.8-
+"=Y_W[;CM (+12N)[DRKSIQ#V(U_H.V;Z+=A 'G^=S$AV,[&I,X/E9#2=$4H"\??2*4 24(O=%EE1^'6D9/2;DDJ M=9A%GGX<]_.A">U7W-&)Z<=#]>,4J(\SF.:6;?@
OL[K&1U=F7X\!_U8 FI MC8ZD\(J4#J_56CW2*4=_N$@#.LC3\.$K=*/]A"BUL8K2ZV?3#'"-;LT4%LK2*9@7 M*B;.P; M(ZN1IO<#RJ=4?
&R8%Y5TJ3CMDIJ9T_1*ZC()%@]UXXVV2+T97_C*M[S.4!7;A0E ?4T4IST:\$U[QC<^QU4 MTH1&1^-5XQ"?F%GL]=4#I="4B$]K2AEM_)@Y7UZ\>@+>SR58?918]4,,S]S$
M3Z:/Z6W6MXV9\Q4$7E+4FR90N=$Q#I+-+ :^NVSV(SBWC<_!!"Y;-F. +@Q_ MRRV>%6SOUK&/-[.R3T,\'TK *A+?O"0RX_J(IQ52Y82-4_ 2XK=]C6W-5+S
M)@OI\#FK"SE'T7H0,>$LI,QK-!09G;YU/(TY32M$2.383)+%B I(:EE1H8^C6C^V.,CBR+[N5&1]41W:<[15%(A@4Y"Y0IE=59VG%O';N MJ9&[F&Y5W'_B5L)#Y)LC@
L^SZ]34I%EG@_@G<#MR4M:6A[0/TQ7\-!(@V]G M1#Y8.2<=&K/(H(%TBHR742@ZOX,P\HG&(RD/W&ZN$"E*;1"B M=)\)&8V(\JS@#ID6N+=7
N'WKFM=>XX#R0N"#1V_=N /,I!7XX6,4GG:O2<6 M3*N)#W0,.L8Y;E'E=2U]?HN%T\HVE-FPWE)MYX<$O'B<=8B8YG8*V=QQ/2QO;,[>+:,Q_'OJ6^20'U"ZR[A[
EX9Z5*BDEX4ZA%#KB\80U^%/K[MYQ_;$BDKUS.FP>8V G=#7@W\C#I1856Y[R)H#_>$1C:5D;:I"LY]T^*?4";< M5Q/?0]L%KLD2W[76UC,_,ZYE"(((X93,##*]\1B/$
H]\P\D$1"K)+_C>!]+ MCN=5SF0 Y#0J/O48>@F\^\/!"/@P(/]^!DAD)E=T?1^W9\>_]ES3B3#<^A.\ MF-LWZ)LVNG*/,M0V&6'=9C%!"DBOW(FCM! <;EC-:VK.;*S_,18*!?
LCG"2I MFE5!SF*$^\4(JSQ_#M3^\)J =(AFIL5\#%O PE?"OK6L-#@T1(R!1*0WN@H M!B]](HR]F==BQF^>TI0/&(V >$AQ-]&AH3*ZVKZX A9$/ 89FY)UFIJV%'8-
,Q7U,I&W9"JR8EN'V,XU.R)5?;+B;HJ _0/&AD & M;:D9AP1S&TI4'-L153B;0H-CJZP&M: 0,MZ3JSMT$?ZBV=OOX> MM\,A-(E)CS"(OG Y^&;&,S!]$$(N_CW@$$D1_4!:.>%?
<&WK*T(K.QFVO["/ M@=\?WB8@?T00[[N8Y_#_;^<0?H1!Z-MF""U2/.-:RQ\L7)F;$R7<-E4\J#*+ M.1"U$^TT4)Z,@^"B>&(%M%1*>6+>SR8;%RO(ZVE&'5'*'\15#V@?
GI5NP9/D MHA;Y-^;IW&Q(CA;S@E1)ZY!>>@.RBG9Q5W1FL7,0>!>18'UT=E:1D.A-PS M?+%=%P>4\-DY0A/GX$7D84=M=&S V?*^C!C+@MVQ]<=OU0(
ME9JK4HDFP8.G0NL:KTGU:]98.&%5Y >>F3S)QOW9RI/##9DV3?($-R+0=5[) M.(161_8F9M!EB*>\H)^6_=KYA/Z9+GKA.2:"%O03$NE\>O8O9_*3W7;BMQTH
M$41AFTB0L$AX&D$.F*8W1F]\Q[$*UPMQ:S%Q\XW 3X)($:CF ML:0@#$&Z5"1U,^BB($0?D.*MUMK=CJ:+:6'CG4S)05Q\15I>V*_PXT_;"D=3 M<;5P7*IPOP6\
(S6$(7K;RD)L%M%+8&KM@R!Q7_Q$K%@LT5%&8JZJ@M#0U(4 MRP(2$%7#&)H*,#7#D/XMBXWI32-_NNP)>('-9Q^"/YI@B'9U!9R?X#W WOW/7_<>'_F/WJ=>_KYS-
UBWT M?M#_UKOI/MW><(,G].//[?W3@.O?<8.OW/]+[0?_(W?[]1^_I M7Y7O)9NT+WHND@->A)YA!1_6+G(,_!=$A%B#KOCILS43#3CG<*)QT=H=, G@ MU?
27C],R1=LE:R$W?4R>GH@%_()5QQ^_+_XZH7S#:$F:@8D_B4 D+T[XHH7V M=IG^7&JW#$7)_$IHB9F?KWN4WFJWY5Q/6O^Y*FN%K*G=$O4V=6O2-9VZ-2FZ M1-
F:1+FEM+._JG!14JMM;'Y4$@5<,0DD)'T:ZUS?G,?DC^]:9;LALYT8N^PD MEHO5AYWB>GMNL/'T8!HWZ\[@^]|/U91 #8#012O$=B9PB!GT &RK:;M<,@CH M;,'R"$.
/K2X6^#CW.;Z>II3AT37-*-Q1#KU$0J)I\CAWQ#_3'PX@FZ /!KR MR38G!H(-TGE!47G-<93C*?.@:>V](I@*?PX%-!XF4Y?8":<13CJ#IP5+ZS
M=JD2SC6'DPK@+:71T41>E,MLZLVXBG%5]7I*+EU/J63N2]O@Q8P#>11JJD+; M/$DM:8=3&,>G$7P:O.36UC5K<9DS="PI_?TYV& M?P+?6HST]=SXK&P66VF-
3IN6*8^L:^KA@G@;/6%NC*GB)O+1[F/*($D1\EW< MDCJ8]:3>?:R2+.BTC55B!'4X06UI)+D'0:4)I]WH&!DSDQG14$0T"6P!9Q,4#_J\J%,PH8
3$F+HF.,G%U+OX,X7RM$P/3Y]%OH=@L/F,D8<=FUE" M@H-O^/?U=?4GY."SH O#"L_41"2IB=/WOS,*#XNVG.3PZ(D&/"\ MFBI]Q-T! SN$
^B_VB:,M<%)J3F(]*1BHDMQVB$SND?="@2D8LC('/"R=%YA\.X]\V/?Q[%KD& M$/F[FF%M'&XV.K/&(0"B)]3&" M84Q<$YP4:&O)B5]%S%4/HB5UUQADU["1'K@_1
M"O^"%O<";)>[<)#8_< A&0Y>@>W@01Y-)(.; 9*TR*-^A4EZEN=<&(\; F_X MQ\8\7$X50-IT+W7HCC7"C]E:OWH.AMP7M&*L)OKN)J1;X[P5V>S]PV.W%7B]B?
H[XNNBZS1XP2RRS6#O#"<,)PPG#"?0@8_%51E.&$X83AA. M&$Z.?X:N"),_4>;7B2Y_PJH\?G?7M9[FBGUNINT=H==(!S%)T:L_U
MZY6,L&%YT;,#9\.E:C:E7"]DU%'[*&/*I78\IEP5TF.-H@]HCFSC\-?'/E4 M%)*JF#^.'9'(9H_=IP46#Y4Z28LL(W*+J-AI]KID9,]>9T* "0$F!&H@!(RR M9XK*
BG/TI"Q8*0M<"8GF)Q@+R^FFT?.%H_!CX+[9+7KU2,61"A&D_H;S.IV?_V6*.9[TC'6I!GY('Z,-2F"1-F:1+DEZS)MBY):NJ%O?%22HIQ^FG3HDNJ89C2,'A- B
M%$)*4>P]JG$>-QW4=1&UW'#2<"K ?@QX1!QB(5("6.<]FQF[555&+6G?BVPTFD MNDP^Y-1)S4K%X15$TSC8K+JM(3TAC#,(8Y.8;9TF>J@"R$UN@8!E)!
M1E$]HAA'54]CC*/68<13CJ#IP5+[R%O5XY2WM1D=3 M>"DC89[[O!KCJNKI[+RX*A=3;1E35 O&;C^1%$T7I9K$7XXBUZ39.A@$$0D MDN<-N>G(;XQN1#
(NLGO$P>]Y!SZ1^8-W6UI"DWB=9]! "V<[8)N$!^E]GW@ MOD!\EOKS^_R29%Y\]R?PK<5 7\^-^_)FL)6"SW3H!B6MEUA[K\,E\3:"PNP8 MD\5BRV:2%"'?]2?
X'<'M&_1-.X"91",BHF$D6*:[I5&1VE3T$>*=3$K(*1[(4049I%(&J6C\/(@P[R M8'TOZ<-)/I;=I5O)9I;-:>AHC8ZD\$9;84Q-*0$QIJ8/)[F8>A=GIE">UA.> M3I?7U;4?*-
V."\%@\QDC#[LMLWP$!]_P[^NKZD_(NV<1%X83AI/C9B#FK:.# M)V]^8A0?%NVYR5%1XNH_KV9*'^&?D1W8(1Q_]4V8:QM'J'IO;CD*?LI'MPT M5^)5/6U,,AJDB :97&
X83@Y:L:".E%M4";JCWV@O-A5]%S%$'IB5YUQ1@T[R9'K0[3"OZ#%O0#;Y2X<)'8_<$B&@U=@ M.WB.1Q/)X&:)"WRJ%]ADI[E.1>27%P(WO"/7PZ+M>2<'/]CMNJOGH-A^
6M M'2N,OCN 9N3;H0T#!* ?;58*$K&QJ>UAHJTQL;2;I:F8]%+AA.&$X83AA.& MDZ(S+W)JJ.R1S %D /6'Q";(Z69JN)V8+J2;7K)L; WIKRIK=&_RTZDA/^8.
MG]A5#*$G=M59I/OO/!_]Z7)(V/K0-=^YT$SM2[49'XMO:(8X4HSYJ MJ.]0/_[(Q&=00WP5Y$ KFQ7Y6^2\QPHFF1?)740NB"P[A%8!";]D*D"\U2L9 M(,2D9?
AVE\ERAW&K2L;"M@5>T9@7 ML'_JX#+$YX2F8?.%$TYCX+_8+GGU2MV0"1&F_83R.I^>_0QJ57/L0IQU?X M\:=MA:.I'%VX,6%]87X+>$:+B,+UMY0$V:URC@!67TFS+?
P[\J RQS%@D&4M/YS5=8*65.[)>IMZM:D:SIU:U)T MB;(UB7(+V?VT+4IJM8W-CTI*=59L!DD@G0.R??9]JW0J]GMF.S%VV4DL%ZOW
M;^-2%FZP<1YK&C>9=7SH,M_[N5IZ5 ,@S#OW$WL(-TQOVBZ7-/_6[\PA"@ M#RWN%O@N6FMPMI#HFF8TCASL)!$*(169Y+>ELDSR":[*/%M /7EAPD2D,"Z)
M=B6F+OD\CGPM >@,=<1"A#I'M(M&C,<%D$5M=!TWG BP'H ?$P:9[E* E#C. M9>=4;WT#33A^A@F>9#$NNBZLT+HN==0Y^R:NJ:-6CU-'C=M;Z"*O&NEVY0?E
M*.J>J:Q)(C*;UO9-1-*>9SR\(^DVMMJMYEC'-*BB\KM;"]#N+#FMDH%H01"2RYPVY MZ3ACC&Y$+PBZR>\3![WD'!JMY8W=;9E=1)VGU?'FG=]'[@OI'+P_O\DF06
M=OOI,-&NV1!%-L098].$D7PNB71M@$3T9,^UB M2V"2QR+?]2?X9<'M&_1-.\@?Q-=EK$;;NEA]>R%&6(S9&4X83HXA@%/M8RJ3 MOPHU\K>@<@.Z'91'.(E\SIC6#
S4&ZQ".#Y(EIDE<; M'26CG0H;BD$'D>2*G1Y ($2(+LO+H?T&K>9?T/>RZ$:;*=Z"XCV,@"BRCAA. MJ+&.E%VZZ^W.U3M807A4C8',H'0E&=,*=! 08VKZ<'*8RU,V3[?
IX>FSR+T0 M##:?,?*P8S-+#G#P#?^^ON[]A((+###<,)P4JR/ETY6+&N.^8R#X,F;G^G$ MQSE[;G*8DP0#GE?3EH_PS\@.[! .H/]JFS#6-H_0]%Y<\I3]% ^>F*#Q4L;(
M!$:#%-$@DPL,)PPGQ)D')/,DF(A MG!9!J[(MZ%H!=_'+)NI#1$"H92,5;CI^>#-]T?1)UR 886J8D9JH$JY#<=HB$[!"5 MU]4"SF4P8F$,?"8X*3+_]K7'BT4
MKB)W0\EL=P<"UDRG#"<,)PP MG#"<%![*D8YK R!;IS\DAD!.CQ*?_.+EC$,BC/1J2GI'MC[WIKPV793'/-\3 MN^HL$L&/T'1 $-A#M HB&9"OBCW7F==[@=W>#QQV>
['7BYB?(JXNNFZS!\P2 MRRS6SG#"<,)PPG#"<'(,#W%-#[1U!CNVS5?5__R T9WOC;O]Z]Z=YP^09N\/ MYT;\W&)/&^5&H].F)+?(:*QX5Y "$C,$>DCL+%KN(?
2@/UT.X<:'KOG.A3YZ MF!.["V"&S7/HO\>BJ@PG#"<,)PPG#"?'/T%7A,&?*//K1)<_854>O[OK6D]S MQ3ZWTO:-
SQLBZ0V@"*Q3[$F07Q&^P!&I3Z*'^@I*)-1B#OAOD0N3&> "F0&N M1"R++#J%U2%^'!";)B*=XKUR(1#9[[#ZVKWBHU$E:9&GQ M+:)BIR'HAI(]!)T)
28$F!"H@1#89>K#0=,]#94,=M>0L6#H3$XP.<'D1 WE MA+2E MSA@6GGO27D'H.SE^92Q[%E]]=*5.3F:H@L;K%TKNR/OB[_^^-.VPA'&3TN(Z3=)CR1O3KYNH:\N
MTY]+1DM1UFDX4:VS;)O=K)BN3_;B;'+ M3F+!6+U^CS-XW&#CH.,T;C(+&-!EOO=S->-: R#,!UX0Q8;G##1METOF7IPM M6!YA"-"'%G<+?!>M=?W)NU.'1-A7R"RU'.%E!/
M7I@P$:D'2*Q]4B&H?R2?QY;_$H"R=80HG;".6/#08X$D62:V9='AOLIJ5C^4\XI5= M/J;(QRD?,W#YF,1KU-)%28RC&$>='$>H7.4U.BH
M4IL7"^O#QCBJ>AH[+X[*=PI3.U;)BR+(C8YF\%)&!6WN,VR,JZJGL_/BJCQ, MI9>NIA10<&DKFC=QM8QQ\UV<00 LGP*;Q*>K?1^X+Q ?K_[\/K\D&2#?_0E\:S'.
MUW/C1KU9;*4B#271THV)-?PZW&'811+'9+'8PYGD2B]^#\5$$D=1;].!_A)/+-$3+95WVF+A $W!^D2HPR2 M)Z;IWFAT#$VKOK44:VQ60$3W
HAHC2#0$0AR\=AY$$'>;!6F/3A)!_+[M+ M9#/+YC-T1+'147#=0+ITC3$U'03$F)H^G.1BZEV/+FATCQ^=&>FYP> M):[^\VJF]!'^&=F!'<(!]%]M$\;:YA&:WHM+GK*?
XI&18D9JH$JY#<=@BNF51X1!O5QRH9L3 &K@E. MBLP_';_.CW\>Q:Y!G*TA,R=8UD%%A5A.&$X83BA$R=%VMA(ZL^'C>;6T>U& MIRWS0OO@3@:,8!@3GQ=."K2S#^-
A@S(>WF)L3SOIHX7"]>3%KJ+G*H;0$[OJ MC#-JV$F.7!^B%?X%+>X%V"YWX2"Q^X%#,AR\ MO!HSV:2 8W R1ID4?]"I/T M+,^YD.3B0O"&?VS,P^54 >M&R/^8K?6KYV#
(?4$KQFJB[PZ@&?EV:,, @25 M7RV6A^:?'Z](FX8(NGI9B$L=<E.8E;1L\6;2(@4Z@_MW,=.$!L=F=>E=%Z'D5Y=2:\FE"?117G,,3ZQJQA"3^RJLTC\WWD^^M/ED,3U
MH6N^NF#^.'8[(9H]] M9[X4 94Z28L,';Y-5.PT/U/2LN=G,B' A 3 C40 E+9HZ$D'5=Z":+P_[/W MYLV)8UGZ\%=1\)N>R8R0*>V+:X((RNG,<;]9=DZ:[.KYJT.&BU$72+0D[*0_
M_7O.E00"B44@X$KDL UKN\ISUGD6T3:XL<#[!^40M^81Z!P(#A"YI@U]XXV^3EFM(V,01OZH>T MP.EM0/! \HW\^NX.HE'*93,W)HQ!6M[BO,
@9M'F6TZTLCNY(%U8:^T0+O,O M#A%9MRMKVE V=5,:VHJF#0:.XLBZ;0_[FM,W;%OYAVJVTIM&03KLJ?-*;EX" MXOQYXPQA5K?.^-V9A\C&,I.?N-[-VF*77:OG=
[#T^/PL4)K7BDCT^]^V>A]P1C?7Q^^OKPJ=N[_R1\?GCL/MXJ=+* MSSWXXO?[Q]ZS\."8_?'IP?X_6-^,OL!1Y-:!2LP<8)7@ 6*4&-5R<0H '!G;MA2.."P,W[(_]
M!1"13G(.SW+AIX(*8F^)D/GSI=K]];,.0A@3C M:X@0COS9&!Y"A(DSH /'V>Z4DW2$5/3!!?$,X"7CV0 ^PF#Q&7>Q:*8QA>:O MH=#U !/C9#46BP$K\?
^AU4!OF1,G$(B'#_E$^F3R0H)8)U?E)%8$KW2$X0P7 M P [! EV-XMWMN#X$"^A/W6]9'KX<>)X($'3+,AP5@ &58\("D,.K[8-\@:0T#?T('/711CXNR0/JO
M$)%,F12.#*U$7)'9$/X B@B$#X^ 0T$V8=[XV((YX:O&#E K(H0VX14\P%D8 MXD-A4%,@++QLZ+A(N$4H7CXU5><6<4T>2< J4;!J\3 H)R'A;!S1RUS\#[": MY/4I\J-10,C-
!.8UHG>%[L_DTY3FJX4)6>3?0B_/!57%[XYY%))F7 $],=:3 MR0B$&NVXGYE0O*2 8_( )QP)P[' OAQI.IYDKZIVMP+*\1>X@]G!& 84CV\DI?

1TG(!)X,S8J:M/R31Y/^5_R"S7UOZ7 M->E;2O%2=RA>-B,:DU)68WHD[QE-*?]^+,?[R_5:>;QOP6ZDUJ@.ZEYW:FR MX72]P5U,L@]>]H4?A<,42D8HI(?
(KQ46'U77HT[1*U3J5JWZ5>%9:4O?OL MA$],WK"@_ 5D&RQ9P$2'EYI?!IJP%:%-XF84PGC#,/-Q?,'$A!/:((AW$541>?:I)Q'S=#80]PQ5#*"AL9MD M) +/QJUQ0>-U%OUNX)
[8?8V7(*M=W 4P #5IDDQI0@C,2_C7S,'!Q'P;)4*(MXI7.!/3P<>@O)K&Z*IF!QZ(6BSG!#U/"2SJ.P5D.,-.*S $ L^''^ FY_4U M(*].8J(,R0"5?
C%6;Q*=)\G#C) ^(W[S$X@6FBLKW/\&&"4'8Q.(,UNA]Y/9' MI<.!&PKS@H?!3&"18$CP>I1+ ,0AK@7(P'ZBHT9^1-=U[?%MU/TW[FVBMFZ M&KY^. 0XX:NH.1#;%:GD?2%
,QY50]''M# D!%F/17 .:]G'+\TA:LW!2B-< M$"P(,OK.%P>4W[;P^U(9'_@P+Q3JL:"F#TKX R[2R(&['-!583BH.+J@4?:I M!;2JW6ZTLS)FWU[*UL69116LU036^DQ>Z0+'-
B/>DO!7Q2KBK_%EU !/[VPP MGTW(9TDUL0%.S=W5GX1W%Q55 8M@C)$9+I8IC)=)7/+JA5LA\I,+TXM6V".: MA;"1P8!F=M#G+W9&%'+[=A!_3SFT&[OSP?:CU+!&[[Y'D
U-@/,!9W9BYPBP MGG34\)2A&^$E:'(*LW#IX.F/7#),K3%8-CRHI)Z8Z#I=-=4C(=8L99D0XWZRY%0:91G&-FZ79Z9#%P]IJ6VQFY6J=)#IWJ0;@F!P MO7)/VL"4R3:>')
HSY7_P,D/8F;LH WO#/QIEB.;>W)N\|2<.V^J%1MOU3K MK^80RZ[B$$LSJCC$LI2V5=$9%C-G0M=U>K7#L75^%XA:U@7RV7$#VHHSHP\5 M.!.T F>"EG9Q:*BJSO"Q?
Y;RBN<@M4XA2P/R*#V9@\#1=;&P^LZPTRPTH' M\^0M7DW?W$/MKP >LZUQ:CS)E:3AS[H9^^XGHDZ2P\QX2%A$WO1K\JQ$2*-D7XL7HWL5_YP((MMN6[J*
MLBC).T]>G(BI-BSQ+_GO-;MMVU;A3U);+OQ^TZ-DK6W*2JE';?Y>5\L]J7Z# MTK8^:DX;\$D2QG^['E67NK$Q\+L3 M_ GT3K]"J^9A@'8EC#N^*&8&'[Z2-
S(6Y%Q<>*,7,!O<0>MPT"5Y>H&GO2$O MH1\?O.ELN4+*=:W0#\]?K(:PNA+JZDJ 97#RN=>U^ J+2YILP?%WWV/S(4)9>>"ZX6@E":FQIXQ^ON66SIUKLJ>
M\]T_6:5H8F=--]ES1J7J1^VH/4'1$,OVSW@JU8WNG"# N"9J !4EF!BMCF[E M4TMJ6^&. [T10-]17V$GT+-I5D/W)QG<_)L$?A$!F(NJCIP(.!$P100[B@=4 M2 06:T10D>7 K-
Z6!B43X<6'K3NH[CB;:%Y+YQ1V/N=&\3@/&CNZD=TXXP@PZ^ ^6 MHWH#/'M16!#Z5H8(=-;44V[G5("D7?T0#D/2'K+9:'44L)KM?(=[C];:HFG' M:?
UZEAQ['.*315YLYWN,E3 9!.EG:BZ;4#0I,5N1V] M9YA=_]7[>9M9PZ?AIW@%#U%5I24=,'?"PXV>TX6P'0ZBW9(9WMDQ14.2.8Z: M@Z,-YL*IF)'*&C/:(933?#\8*-F,N;I"@9
V7>"& M7MF\]<]Q5>:[68]5^9WR4+2B((CW5E-3._E>-H14%0:3WF5'-MJYSMJ<\C4 M%C([HFZJ9D$9*%675\K6,3=K8CE3UO&HVDS,Z5.7OO\:+0NNO'+E]2CE-4S9 MT?
PX\6$P%R7%U9&+:; [0)4'CXRAFCS/L4' .4R/K8P;,9>)?7W*R2^TIG6V M3T:VICP#O0DWUR-?;Q8ZV5"^,NFT@\UQ,<6* MQ[1/BYM6-$Y+F].&/+3X<7QM&#
<$PQ=AE5^"G<&$M/DIOC04DOK'[";R>PM9.X(Q)] M=:82_C#I6;VKLKZ8= 82!CX^)O23IL'8?3:[N$F+)[H>CC &N!'LG>0&@YNI
M$T1SBGCZ!%@J%]LL8>.XM4T7XX9&R26PF"[M6XP3>YW!,RD0L&\/;5.5K#5M M\02WO@1^_,> @"P(4K+QG/$\C+N*O3JT"U.V^Q5M$14_)ND_AOWY D(%!0P' M9-
,@>5+2PBGM4(A;G+0(G(4D'GCVR? ^Y!*TH[$P=\D88#P+WDC<>_;-"5Q_ M!J.:3^,F5T7P=P+$7=H\.>8?RR6/&RUE6A<5$@N\ )D+@B]P<'\0%C_A/5'<
M,ATEQM,,&$Z::>Q$9 M#.XU(!0TZ2["PSS@%U1TQP-)&9N#XL^% M,24#6'8TIZ" X4U %#$O3C>GS5IY+VMH\BC[]T,U[N*[-5%!.\,MG42859&
MKLXY9ATB<#ODKI093$$- D8&2@'V;PE%ZRWM=O6Z0,]SXBV"&4-OMR \HD:>TO#U;E&X'MUB%X]9FY^ M=S!9JJ0]F,W;@_'V8 RV!]/*M@7+,JA\|T&NBPUN'Q>\K&
(6R;TOV.,D$F#C8:3"*IR$.=&T58%TR]W0. MS ME?=MG'56B1NO?Q_7GZROO[N<5JR=ARBA$OMBV5JK)@VM@'6VI9A]ENEH9V-L#O1Q\!$'TT6=^V-]6!
M8IYU\|I3[+#N'?5%JV;=9G61SM=2>JJA]L"^7:UKKEU5(%UV5&W=DT3SI"@7 MMX5F7GQPS9\=\;&CNM=)-!\P-SJR+6HR*RW-FR="ZE;S&(_V\31__8S_&%-E
MHY./15(^7LQ4;\/O0R;6N&]@AIPE\"[UNHHDB(: M^M'5!$^.OH::'54T94]F6BN"J< .J:@ 9YRV&)6F'3R>EU2@G?H>5EQ>5E1D MS-0*^A68.175"ST4^GB
K6BBI1]=]/_D0&SH24B5C<_8]2=7("0J:M%[**68 MK8XNJEI]S8F:&0T,@OAX=F_MB%(Z-8BM5D<5]>.9/5M-+5ECZ8N),^/&M?"
M\GA.;NT(2#HU$=A@*HN:9M>/D_/S"78X^0ZOYE$@WGK0;3%7TJNAFGD5#7C8 M568JX.,[@I-.S,U#?AA43UVDHH:6AR)?P[,@ M6U3MJBK^\K.@"X00U#'FAIT0@D??
ZQ](/GJKHX#@,*P&)OG7S52M%?K9B2(X M OU))KQM\/@S?NK$HH2HZM3I"!HQ6QU-$76;9\;PDZ?+GSP= 60+@*R*NE*3 M-
)FZF@,\-.R\H6%'4(3=ZMBBK==7]:^9@L\@CMF)#CL"2:8Y1FEE7L4:G(:H MR#7,:^4G4K56.W:$,E2!;JQXH&FBHE856LGNB=->AJMCJ[KHF+5
M/L2N"C1=R#*^.CYR;$N%QO&1DTGY<_$1_B("?JM:58;L'@IJJYS?_:UT$4A MZ7A7U$79#<-9W),:ICZ"19Q@2^Q^VER<>IW[M/4K7/UKW,(U?PJZ[0U][X7
M88=C;":+;YKZP"[QTH#TB4O;@H>TO;[OD3UW.2'M1T"I]P(8/]VD$S M_)NOQ_,Z/!A\P%4F=U.^PL'@WAZK6\!F3J@X).?4^*%27/ON)UXZMB(FP>W ML"UTO-
P>M0GH"OWFC!$FPO.(I W:G0GMUDV[$/]'*1_MCCJ\#\ETOB]FLQ^K ME):L$D./1-52"_,EZ>C+C7B'?5?!B&FI"MFP-XRX/,I%V']L%(^MEL?S-4B7 MZN?
ZW!^1P6Q,GH.;O>B*>OFKT JZ9K= ")N0@=I,],J=>/.'M HU;A HU3;;IN2 M6;9/*C8%URKJDZJT==6HK$^J6M6@%*W3\!@0!6. M=F._||/-
'6*:./TO@1^&=.H_/%!$QXN5^.*XWN:SEJM:BJ_P_9:0R":NQ6?' M350;6BJX3*_AND;")BF-MWOL\W&M%7>@X[#C(3XX9@;7^-(#VS-(CPZ!JJO7 MME%N5ZMDLNMJ)-
="J4)]ZCV8D4Y*3!2:/;[|\F M,W0=#ZC"N=0U4>/^C:!#MN?\W+]8GR[)K!7KXZ328%+YP *MH$FV@5;VD"W8 M@DO4[7R=[8^<4CBEU$*H;
(JA+TT+ZN;&)$R&UM<^K/DZ,FXKH(B2!4\XPCM8^9,E$-SYKFMU=&DV$D2G MQ%!5RI\L;^I;QGV!I\!$L]L_'4\'=LEJ954K,;(2]W]BI9DE-ZPOCJG*?8"R MRGV
]4!9*37P5##;J09BBPWN F050Z>$4&5:H+ZIZR%W =;J*KYP?.&86KBZ MEJK-E*([+#_D)%Y%?O_1]S?=P5!AMZ]FJE@E.[94[F PL*.7*>KJT?5EN.+> M%%3MZV+
(H\EL=4Q6RNIS(%7A13@1DHZ*GY>Q-X]H*_D>GMS-P C(3HFQRMP, M]N9NEDPZ&GC(3+-/7>V27<^J5@85B?8\4XVJFB/SH_S:@ZKRXR:EB=FBC419
M.47Q1##;==RD*&!R&/EX$1YVQ B*3@FBJC1!1=W8M9;''?$"5A M4_Z$@ZBVK&JSX9&'B8R=Y%F1:UQ!OE#[\[UJ M:*X6@-^K:=]JA7@&RV\>V^RVXC5I:*/;
<^GIJM+JJ)8AFG9>\C'?Z;9:*%W(M2EV$>!P>*JVIAH#CG%YQ?<'YQ[L4H95N?)\RKI JBM3J6J!3DBY<^
M\^.4S2F[.91]0L*NZJ!5U<%\,"W1,+@Z<*CWYA?:R#=M$_S+2I_G^'/2@-F) MES732#B9/;;FQ;69J\DIL7$$I_WCA#&.&M,WYWYB&N=+;[LNNE M#
[>4M@7O+SOE#NWKN;&]\XE6:C?7H$MU]_3E\?[OPMW3]V]/W[N]AZ='@=&1 M/C[U[I^%WA.,]?'YZ>O#IV[O_I/P^>&Q^WCWT/TJ//?@B]_O'WO/PHC J;VE^!2TV;?
W")_5&JR,KEBCS MEN:<-!I%&I4'!JMF P.#.:FP2BKEHIM/1"O''<%:K8XJ*G8S"G%P2F&54DY) M*)4=:=JH9VFB5= -
B\D8;UY.Y%JRJ8W+6B":A%+"X+6&.:9.IKIKU=67XRAC M2.L]$A>40D65>V&+3:!46F5<$YY@ZF<567?U'CC*&++83P6RGQ88MK8YI M#<-!5%M65:
(*BX85'@MJ%C#IH;^\(LKJ57SA^,(QM7!UC=5]/+;%;$6!H?S^ MBN]ON@NABA:SC=:AK N[$+"0JV6+JI(_1N'FW96BZN#*09J--38YDMA&4CE' MP8F@=%1
HXZU7$7+R(>J<$<"(R [)<:J.OK5911^JF@;-:GW6OM8P IZS#8Z M!L*^K#:H*[3'K*%KC 1#\,":BX/J8&505UL=Z^BC20XDAG3!$R%IUZ&1KF$O
M^'P),A[GQPB*3@FBRI0]GQY OUJ[_JK,N^CR=8/W"%AK0]3SPW1 M+*CYS!TWUXJJR@.)]"9F;3<29J5TPI/A[#@'8=R?3N;]GIA%V4E!5IG2B-G" MNF@6U#]FTD%X^0
,5]_B"W?9B!IFS90JDAR:;*_+DGQ9\|20]"SG>>D<5*>S M3@R>F%X3F)6T3DZ$LUTN:T-I=72+>ZQ91=%)050BT<%0L=ULOC 7DR[IRRNC MK%YUK"^_3'TSWB?
J=&M2]SY1%RXA96C8;E85=2O/T9CO%U4ME!@MCLB9!V<> MIV$>!\<)&3JJRGE=F3,,SC XPV"ZW^QYRKZ5U$$PFD$2=3T?TUWZ[(^3-B?M MYI#V"2F[JO-
6P\2&LZIH%-0(X?K H0UG5QO,KG2@77=UK6_T1JN MLN0!@Z;B"\87^Q$.EB5^=.UX.[UA\EI"U]D\:>?YUY)&GJ*=&F MGEJ-FGHJAEVVJ:=MO0RW:DW-
RILEQW4#XF/J9SC4FKHO'I!70\ MZP@AO3RTDO>9"BMM*)="5D I*WQ+F3WH6?L4?MEZ?F>SL*D[&\)OVM2&XW2O MS6$%IE])B-H/O$U6A-_A\M'1W6)K-?_%K 70XKX
R<*HKFH!>G[DC*^)/#,N MF'UZHS*\==LZ'1\QXUT5L6J^:B?ND%WWY>&@XJ#BH&)BU7:#JJ$U,@]MT[UO MZ&+MVD863:SNL9CFCIK3:T>,:\<4=
[$WVI^M'3:F9C;:-3TP:V0E5N]+'U_8 MK8ZMBJJ2CV:H;1 YIQM6Z:;44?UY"2=SMH^7%9"**0&I&,=T N DPDFD/J(E
MI8RGX*OOO9*@K&@QY59'D5118:91'2>*LG1T&19>5XT=P7I>S.WA M%<3VH%:^^CROVL<(NM@!U]$.-9,R-%OE[8K8AAQ##&VG*RJ/,JO5T0L@QAD:
M(^@Z'[@JK%AI=4RY&6>2C407.^ ZUO"U M5#P -Z6C>UYRQ%T+/RMO]UH:",UC*O!P<#6$G55C]EHZ;<2A2KPS*=O .B/7 M.MCL-<#LE?-
AE/S@GE]UTH/[RP^07\4C,2KJ>5,W?VRYBO_*Y3Q26_N46+R+ M(L=;Y>ZH_>%G\(7514O/:-O-]0ZH%&J.9]IRU7!=K*655L>/] MWH/5:-2LKZ)T&:=X3O'-
H7AF"/[8\P8;4]U55;2,?#PV5R8X:^&LY7J5B8J+ MT=D&5A%2U JJ"'&*YQ3?'(H_&\%7=-:'?4MU2[2E?#8M5QDX ^$,I+DJPTG* M"]I6JV.)2@$[J9-B4-"/F/?Z/;S7[R?
2)Y,7DC3%467:[U?=WN_WEY5VS]O[M_ZZUBE[V<;Z1>7?@W4^ZW@ZS?$SU'1/O#KQS*NRU]N+=@7EW8&9ARKL#\^[
MO#MP/;M'\IZ;O)$K!Q43J\9!Q4'%NP/S[L!7WBBH5#TAB^D@9;O54271-/-. M_=K6L.)TPRK=E"O$=5;"V9GO:$@2GJ?G*^[6L7X@)Q%6280="CDR9-60L#NP
M8HC&\6T!..%PPJF1;*DV(-.0%(R[L JZG''1PRFHCJ*GD@!'0\+NP+HI:C(7 M,)P\FB1@3A&^9TA8_ER4"Q*(6"LR7-<2IKR9[/:&4BRGZQL29MA)HJD25G!\F62UHS8
MBD:"CQWL'6L6RWAJ)"HZ9W=L(XXA=E?>+):U5D=KQGE](\%U/FQ58Q;+V&K6 M%E69MYIE&UAGY%HG.226#:J*V>P?$E^^"CZ_BK>!N.JK&AK&P3O1[NHWI;+9
MB=:0>2=:CK>+=:(U9-Z)EL/O[/ZLN!.MD2_7S"''$N1*MG0*^9V.[04J=6Q M>)P'L^@Z(]BJ\6@I,F=;=0#6.=G6H8$>BL(&<^(.CH9=Q3>T85?Q#6W85;P3
M+6_7P$*_%X/E$#]%;74,2]3U?$0";P3#0E(WYRS7Q5E*&55G92U'A@\HM!&M M;N1SSNK4(H93/*?XINH2QQXW*$DC6E7B7>TY:^&LY?*+P8XR47'=,\7 NF>V MG6?
\O4TU62_;V]2TVZI636]3V6IKNGU,XT>&C@3Y0T_V MT/3GA*&IM$MPE=$[A]R_=U/I->%XB:;2OSN>\TJPQ;,P\8'O^T$(#/XERI3P MP$Z)D> $9%;P4^U7W S)P
M(^%?,WA>-,<.TOBM&X8S$K2%/T;$@R>^D;$_Q9;7\&X"*S3!'CEP*?DY)7U\ M6/*4N+>U*$R64P(>&KK *D/!&8_QY>3-@:]=+Q8QM(6TUQ_/$W)X0?<*G@90+!
[MMT%*)PMF;P76P@[L#,X/,=7;B'01U'P7R M(&F"_M>91Y(&Z!)M@*YAF\WBUNAM(4. "=+&-&_GNZRO:A09EI1P!$UIFZ@>I 1]2ZG5?2.) M5I#8FYD;$YU"6M[BO(!.-
(LVWY)K.7:FOKQ*W/AT;54R_XX6PF0*&W+S O3] MYXTSA!'>.N-W9QXB:_R<6#BR<,MI8U=.LM.N4,[G*V.Z/0KM=LJH$MU]_3E M\?
[OPMW3]V]/W[N]AZ='@=&1/C[U[I^%WA.,]?'YZ>O#IV[O_I/P^>&Q^WCW MT/TJ//?@B]_O'WO/PHLBNGKP'[PVD%Q)ZV$/NUH.[?QO[_3^7/ J>0H!S37%)@QEI M;=(;
[,OK#;T1,DCDE2@Z$^MD-H%!PD-"*L;O_ D,9_Y?H0!J4XAL,M$:7F%- M0BI#EWP5;PB!9R,#7>>QR(CQ]V@4$'(S0:^R@/+9!PX);!*>6,!R\?%_G8WG
M\==*S&Z%#RZ^RI_!U ?AQ]N-B-YGL<]KD@%;:4LQ:RECDZEZV[*L4C;9YN]5 M2ZO&NM/:LE3N49N_MQ25O4'I:O%+2@]*;>OR=COX BL%@U+T8XSS/4VN.C0<
MW]/)UEORKE"X1Z;5D(;K>\[_V?VY>?9G0$O^,I97"^69D(JRZCHJLS7UXA,9 ME-E"(JZ;.G.^Z?MN^IF*Y5Y@RE*=.)]6H2?X*1O=Z_P)I[E[3%K%D_KRKC= MCLJ_S%JP!
<=NJM+JY.N"U>P$?S<&V#ZCKPOE5M05KBZ4>WQ6OE8=Y>Y=L$95 M*RM8PZF,R\<:R$?YE/)1:W7RY2RX?.24R^7C\?)1OX1\U&LE"\]4C_/RIG-\
MB'20[=S<^CT5A'KFK,<01@U_'49L&ZKUJ%AB^ICZTKSB$S-,N1*CI6253947 M>64.217PGIQF?A+>8W'>PP9B&%$(R_(>FS7>T]SCDD<2K0<0?8@5OQRYLIL?
MQ:;Q>?$4*<:LTS.JSBGC6<8&HDT:?J7 +N XFH2Y3I?,ZM(VCRB9Q&G';K0KMKTR\ MGBIFX4*T6Y Z_,M*WA'#*4'?-^;WQ+G#F&<+O[J>T%IN.W[O3T@KS0&Z\SVZ
MHC1+^#F"_]",*4P+>IJ2@.9EA6WA6^!B4I"_DC>TGB4I9E.53 "@BC,$TK3_+1DCV#K4J]@#< MA1L*(G>YJ)N3>0_((=/CN@1U2!A3]+9J5%/$PVH;]O8TH?,G5/$Q\3$U?
4QV M6[&.JIU3A\R2]83_8JOR/\?1K[(P)T[0D(2:_:8MWRC"_\&D]XF*:MWFA7.&OM1K_"6>LWUA7.NN='SO@2:8'G[C5^YP=3/\#R5H6]QGG0\W4' M/9OF=J?:>EC+,N
%PU\2=P!\^L.-1J[WY!%D)9\=-_@;5I$J6W=3T_$L6A4- M/5^2F\%P:)YTP.GO1/37?_5^[DU\7:PHEM#>;P0K!_;>?2K3#Z=$ S0#6S34 MH]OGMB. M8Q;,!<^/MA2#N-
;T6&M'J:/S'AWH2JNCB)IF,Y(VRQ.P3X>PZIWC>3BIK8YM M'6U7<# U$$R5.WAUK=61+=&6.//B>#N'$U/705@JHF%S!L04*9MP8.C!MIKP"=JNCBZJ6K\AVF!N- 9\T
M1]@&A%TZ9,Z0@!.+DE%58 #'6I.P5M)IL%6G-BHO ,2QUBBLE708; >;PL'& MP7;&J!Y#Q9,O:N95'!S*@X.?A4'![_J?."H:]3GLP\#@"^\XH(9 M5W_0*4L*2R<\!C;
[$F%1&#G^Y&?I)X38&0(_#;/5L4V=HXFCZ<2'.%:3 Z,X MV!@[Q6&NKQA'&U-HJS+FTZPN492#K9%@.R#[V*PNZ(&#BGU0G?H(QU30;F1' MT^>N-GX5]\/RJS@X^%67=-
)?I(,;@[52+MYAD:5**L6+44;/8^K,P%1!]Y.+ MJT6D&WP^=?G58B%SCK(2SDHI9R:73?TRMU3%TT2C(_^$\A?,4SE.N@J=4
M7AO&U%L=TQ!E*Y\.P=D*9RN%LA;.5RR_&9=C*H4FZIK4I29=S#\X]./>H(?2 / M-H$Q+=$P\NW1.-/8+^[HEP@W!OX[<-\ZZ2H^SB:P!OWX,VZUZ\V<>%GALG1.
M$R=X=3TZ,IW6MXQG_A+\LEC]^*EX#VZ9*VO:4#9U4QK:BJ8-!H[BR+IM#_N: MTS=L6_D'EG+/W)1_D;%XTPT;'B6;;4FQ2CUJ_>Z6OR20P:E;G_Y MCFB8YK2W_^O,
(X(JB8(B*=K&%-9ZS[Q8 '\B?3)Y(8&@RG3VZLKL&UJ<]KOS M+H#*1/!)N8SE/96/NC2QJE9K9[Z)U&,Z)M-FC+/3-/9#4D5%RM,T@Q36T-(D?_C!GS=@+$P#
MOT_"H4F.9^DPW5\|+[%JW@<66A8\UO5\G4 F9=T/ FR=MR\0MSJV!?!U%CI M_]10N^RSZ[GAB R$5]_L)04N^5;S\>OTV7\@JMX'.X-P+TN6E9]@[09L#YJ
M#MSS,>P*@6NV.H8JJNK1'/L\%8=+*0"[[CG\>(Q-<_=8%U;URW(MD@1HL#3E M65CKVQ05/5\J@GF943E2+F0B7!N'.-8AUC0.<3Z1?0B'L(%#&(JH6%45D[DL
MO6X("5D- 5D/0B@1WJ'O".^P+Q'>8=PF6U4J@.(K&.*$/$U) ,OBO7XE3DC" M?-B$71#E81=$><3W[PSP*(JWB!]7\!)E8Q2&OA,'''0X*Q*L*['XP' M[^Z
"+#J=%5"X7T$O]'XCN3YN#:#63*!1?^Y\=;!E>VA>YXG,2"A"0[AO[8 M"4-WZ,+;G<4=WFMR25NX@_$XKI?>,G'H.^A7_C0>1>0+L,#$&PA^($0DF+B> M$\7#HG<)3I0=
(ZP!D#*!J87]@. C8'0A#@X/]&. IJ?Z(MX(HWS'?S9RPO2= M\&4RIJVJT\/CYY6HWU5D R!?2/ T?(J?U/-[Z8QVUG&3EK0@MSJ>GV.4V25; M+I0#*
[=Q;G1E0_CJ'_&]1\PLS$WMGF[;RKP Y'T4!P"W04B\HKD!L47O ,GY MUODED(A&L/MT^YQ^'Z0 QB3!ZP0:A00@()G-2X.58M3@#_325>SXLRB,8,FV M@#0%*/TX\L<#P9T
;;V1"1*2ZV$8APOVJ2@@_H+X;_\%&$1,+2+E6..8$(! M9F%\+5PU0B'DS.$C[MH;4"^-BIHZ<4 MU!MVM>^$HR5Q5+&W2#FGV]QOR5!+KY=.-
U@R+K'!!P_;:'4,T9"+4;EYD_,$ MFW"G=QS:/,M MN8C.,\5N4A$HJVNKDOEW%"R#4%_)S4M G#]O'$PVNW7&[Z!VH.6:%>X@V9.' M6TK;@O>7G?*F)(;3KM2>-
NO=TY?'^[\+=T_?OSU][_8>GAX%1D>*UO6ST'N" ML3X^/WU]^-3MW7\2/C\|=A_O'KI?A><>?/"[_6/O6?CPX['[X],#_/ZQ" B; M+5^ET/)56;=\JU;WQO.8>RMQY'-
YYJV=7'FRL;>OL8%%EF?D^HD'#)#&0 E) M+6XQ=#YM+[>UI96]4GM[H-YD2C+NKVI4IF[)V:71Q. M=%B?4ZW*8-B!H<-'J:';7RJO[!WM8?
Z:;GJ2=C\OSM8S)3V7K7=NCWNQ\/L\ M@W&3'4P27;!.F*3GA8"WFKA*C+KR,1!_W2 @GSHHA#8-Z>2)_3PA)ZJ IBV:@&IWKO MZM/P,T4J,JR2P0RF1#V?EIFOP,/S?,X%'&
P^D$,AB=9G);"/LW((SRQ1PVZ MWZD]5YJ^3+ :%%&2CTZDXZD7.VC(J%I(7WW<>T4TA'*I]^Z7)AVKU;%%NR#9
MKIXA\.Q2CLFE#\.4@PZ^TK1C(^T457OF4]=:VK&XU&&7=K#><5G2D:56QQ(- M/5_1F(N=:DG'YF*'8=)QWTI+'5E&TI%,BTN=4R*"1L[26!@N>]@D(%H5^V J MPO-
I3525H\F($0FTXP2$9P;RW&%V<.6*XNZQ'&01%%H!%P^&^.-KH=Q1IEHI&4\ M$#RE5)C,#C+80 !E@V9DS)[01-E2*XKNV9'76]6PL0L?&(%2<1S@QN0C.I]< ML -
MRJ**TNCP 9N' $V!I;1C+&1$_\X)Q&LQ000T0(;_.E.?)H+" MTL2E5W#:#E)?%+BP:@BP.+""AM#U81X^L(\0[^^&KA/O3$*%_!0W.)!Y*V+2FQ2-;DMF^<]\.$OY 7IU&$2
MD3M.RMK/@F@DX+U1'+Z"Q\IMH=OO V0 7>,Y32%.EV.!BM54TY$3+KC-"R$> M#4D-, ;*]Y+(58_*=41(%(IP9T"?X"[Y$A+K,;P)R-$-TT&G M9)D.'=\%D/;AH:X'0C$-
P=T>Z0@(7Z8Q+_#IL'NTI!<8-@+M2G^,2!##(F/Z8* CC&A^[W(_4^B MVO<@\C/@7]V&_ZU0IKE\<7Y\(8H=FA5/,_3'LT&L^6>,A.V1U'&XL_/BOY&V
M4"+QD"UM;TO^EQKK@O'M@$50FP/G=6EB"0%J YC?L)& /%H 8JM1M,.X^"-Y M>S=^^:?DW=_AU=](T*?:8$(>^-P4,]H6;T7QH(S3#PK+P[:+.@.O??&71=I)
MHG]G"S/$(AP,]E$YRRC6N'.;&5!.M,0X%8*9/2VF>Z74^GQ/W[&0^'(AY<\I M$TQ7"Q1M66HKA>)]Z^!R>L<)!F?2P>FYP5$>M7O[CK%I\]RE($EUSZ)1%HM%
MH\R#BD9A-=!W=SS>TA?,5*Q<2BM\EZ\8E3[K)$W!TH<7#,_>LP]8/&A6\HZ0 MK_1'CO=*PE2]IT@F"/<%[ZWUV3626F>AF0@*89=.@-);2M6=5V^C&HRD-2V M:6Y_5$-
/>5/;.N;+V_MS'\!/'MB^L0R+K9I$GO'0J3U6\|-118+0:PE_;:*A M9'OB!JK]>2^ @8ZI+O0%U/:O?E@Z5T25::Z(K.9##S_RT*D3"-6R;3,9Z:W>
MS$B5ZI>EX9$J!PMS!82Y)8N2IM0O%*5RE)RU8O;557C3UMS/F7_W=P89\L(9 MQ,O"77U9.(;\@=9!_L '+P(5WL7(2SN%&[S"ZIJWB^HJGF_X/*90OS00XK*
MQT\^V'V(W8\B\A7XUV!]BAL*%JG:G@6+]#,[#KL3'UC_O^FYVV)A:2DN6E([M=$,\O$L#]ZB_$'V*!W@,XYF=W3VH&W)9]Z NM^4=GKB]G7I:6Y6K\S1N+U!4
M^T$IQ3^5+,#$=;FJ(M\--8O,V$1AS(USET3MQG$T M&%$S1N1U.EBNP'\B2_9V#\H6C97*FM*>%4P;D$35KF%_\'/4[^*% M\SA-'WU,6-;L_T0H5T*4LG5FUM5H=W1(-
MN89GAA6%1/ HFRK4MR. 6Y7ZADUIL$5=7LB1E5'?+P4%L=0\[#XUHX6?,]%(^^ M=X.)^B0B@O,:$%I_AGLH\J2U(WSY$#5!]5;RQ?*8)ZXN+7(DHP.#!+J EZ
MJZ,8>:AR#P,CF#D79#:H"4:K8UTO(^/990ED%&W$ E.R0Q2D(DK'&B9='Y9EDAER0R5TR6:6^[]HSD>M$+*SG M3D@H/))WX;L_<;P-T+6.0&Y-,XQXUAG/.N-
99SSK[$JSSBJJLE>7D/GC2_#) MLGI>#X\NM3JF+MJ&7E%M/IZ4P@#DKHS"2A[A'4YB%7E>=+G5T455S\>L\1PP M3F[,D]NYJ.T 'XRNT"1J0\ZG5S(HSIH?
[W05&5E54(EV9K5/I;F2LG(TG?!(M$Y94F\-A5)5JH[4ZBB2:6MZ>X-%+C&#J7) Z1'[KK8XFBZIY=/MRMH*-&!;1 MCCA,]I>@ MAH2U.XYQNG/,-(*S%
(M0[!0A2PTS/%F3FR4;$^[IGB]NY5*KP-YJ3Y:.6Y"Z M\X:C=8YR3BL#JSJHMJBJ534XK&(7V3[PY13;>(HMI0&>0/\K2<0JYER+JGE, M_T1.OIQ\FT*^YZ'> \Z(#
W$K:R(=D'\5+W$[896@-G.6P>UT_*WM=/Z/(MF M NR=+5LORY+;AN* M6ED_*Z6:?E9Z6]/T*OI974#^K/>\+,H-B<<#G,\/*"YO@561 *]J=?Z/.(%P M#Y\'"ZLYP;@L-
B1_9I\EHNWU9EY4)E6FKKZ2[V3BN(@ 9&I#%P7A)9M-\QC= MQL;HFH=;7WD]8@%;[.J)H$7655K),S!$7M',*XKC98W_*_1#^(U_-SB;,3V

M"$_NO9/Q&_D=7C,J[[O$"C^2J!A'$QH_][A!2T;5N]^:1*R M6AU;M.6C3P[9"KYAD(),+HUJ0$&C@)#2-&2W.I9H%Y1&YU*H6AJRN!1BGX8^
M^[/2%I,I(0DIVM$DQ,70#A*RN1BJ 0G!M:5)2*Z(A+@4VIIQ-"(!<881";@L M8IN0NKA)!U.3TNIHIF@4U$.LIT3:5;&OS/V[[MEZ)%VW4(MCBY96O"9UKVIZ M#)$?
$&]AJO6M:UHMQK3M^P;>4?& RS->; H#$'9P&R0A.CGGKW@GTKE(M<^1;X@UD_^L,) M L>+YI__FESP9M MK&W#\H7P\"W+>|&@%R51IP2LL^)X^'$3U#GHV'[AB>
M\"I,XP47WN-5'$(;$!X<4*X?S:%U1BY8>0'B"ZO!"#9)(' M"OVQXT["=G:IA8DS%X_^<(+288%3PIG+R'YUXQX$=Z>>]W[B'@$2$D(I\". MAH ;^.3!N_Q Z(^
D<$P74_HNT%_-@DCS"2 +V#JP(XRD_K7#'8#=OX%7@M/ M_]/SWS%6!R;X[L_& \'S(V'DO,'T"($?G#_A7]># 3G]/@87"+,0'Y>9\<") MG+;PQ\C%0<+2>J_.*\&AP-:#H@2<-
O=R^/P:.!-85V^ 'V"H(0E%N*D_GB%+ M$7#4;V0\%R8^\&MX$WX'%Y,W9XP0A(^X0ND#89'\&:P#;+7OX0J&L^ET[)(@ M?
D4T'>TA,I__C]+DAKOGPU_QACGKCVX+74]P!G!G2)(=QUL0VC!]&#Y\C?/Q@QA@ 0EG MXTB@H5A$\ C&=P%6D&?C1&!LB^G!F][<$*$)&YF?,\PX(,GFQ./$%5*D7[O]
M/O"301HC%M*OY5\%WTN6TZ/2@A):FMWR/"(@:]LY]E(^E.]IN,8:O[K.BXMX MV!"N9^X;KGN"'KO)" U#+,#[:0MQ9I+I-D;' MF6U)L8^)CJNK/Z'BG#+V[*>*
(IH8,H).'G*^QC4I$T?KIJ3I8[0ZF@B:=T,\ M&(P2\+>%:*;2.Z.3NF&(LG\T$)>@2A/#G\L%OJ!KG-I\C!; M'2PBR$HMAH;*M\^QE8451E# %6A-UU&ZJUQ)B4,
(XILSIW5<2A."U>K(HEU% M)RTN(HIIP_@(]K;B56(-FAJ3UR%-*@2_<\16%-.,"BF@F2M[]!B]_KS'OP6 MQCTKOCBN][6X*H]IX]GXY6NK-%0&5-\=]@!G>#-/EZI?
EKH?,.UHFU>-;65) M:%NI>MZV8OY4J7+$G/5@*9E6L@":$M?7F_HA=9G>QOV)WLC2L?6751]B,E]I M>8OS E.;19MOR:41GB9AL-
CQ*.NK3L/LOR4.VLS%0=MHT<9PZKR2FY> .'_> MT'B66V?\[LQ#W)ZL:]+UTA%92AN[X)5=IP[M$;;1]WFBY=WSQ._NZ/72_"L\] M^.+W^\?
>L_#AQV/WQZ<'^/UC$7H8.FN5I;*'K7?^9.)&U-#I>H,[RB!>0=-S M2;CMX-62\P>OEIP_>,T\GAX)K;S@H!-8^A:&3V WEQW('+@)(V<@^+,(CRWI
M\=]T%H#]$A*!2@D\3XT<>C;['U7*ZN0ERTV)TS/A/;_#OY/9),ZGCG^/]O4! M24M48)27*DJF)<+2YF0Y'O/BX>>,'J[A8:X?S(5AX$^$-R=P_5DHP)<#/PC; MPAV(.AC:\J1O?
87PQ.\%K#[4A,?QT61F@44\7?XGZ=.CY?B:V&H1IL1SQNCF M:@N]U0?W,UB-BS_:&&F 4 #'X.'?O04%(^GP^4YXT]X"Z=&O,M.EL0K+"(7T00O$%X^[<**+%:?#$FF(14)>
MF1?2=V%8!'T?/#X$_APO78+YV.\.ZSL$3 U22@)/@GS\%E41$['Y(;%8TYC M*K)\,II/4>$% HRW-P2Z[H\RBY!=*!I>,@OC$26E79(]2H!]Y[\"O0HP;#<<
MP76OOC^(0R%6EP 1@Q-W =K+"2[G%!",;5B&U5"8D)\8UD%WTT!?"08.('9%46.#2H(#[N 'D;PI^^MT(1*0C3.2U(;U@.2I35;MZ E:@? M"KN5X!HQ7GN
=^;H/J4Q%_A#'U>"WH=/P< 5DL(A,PADW#&Z:"@0V#0XS'A) M'+ M?TN$81Q)19=@3%XIS_3!VD1&' J@0\'*(66XH$P-8''@@B2.RD.IC:%9LR!&
MR0L&,5%P(GQ(S,LIJ&#U(N+%_/2%C)SQD,86 19>0?R&41:IF: G@!SN(; 4 MV/;X(A 3-,)J(;%A)R(::?2.K&OLDK<$'0CZ<1JZ D-R:815 DXR 3X!TF(1
ME^4L8XO28"!"XY%PR!@$!=0,^,3?4R-4A,?_:^:"K %%P ^2R"#*FWS@7?$Q MR1H:C@F\Q'0K!HT!N:PQ\ DN>J,&_P-L?3!+S8+_(0.8R6L78]3<:)=IH!:8 M!FK>-%B^3,B\
[3";@#Z^X*4*RY9"1FE8!. -DZ.-?N)O%X X_LPRP$0CFL=< M$DE_2IG @* N%Y$U+&DDSA*$LEA+0AKR;/1SQ^K[3$# M>HE]SB&\R/,G*0H$;.K
\9S^IC:%B2=>45N=BLG.&MZ%'4)A'$L)L@)?&M? M *&-SYI%P#O^35^Q_DCXXMT)!@L)%\9J!_"064"Q&_.@@4\Y#,ILF(@S!=;Z MD\H.6,OM1"-
;ZV3SN_,3C:>E,16_:_XT7#L]64(^E%=L*X!0_W8P"]XQ8)=X M2UK26AWDT:EIL4X==+>CN);?= M9+<=Q#:!>;R@%40#6ITY_1#O'Y4;L=!:*#.Q0!@LIY\$6
(T!S%F7Q!VPY!$ M"[5V%9E#QPU658JD$A]]42),<'=?" W719P,4A-O'3[X/AG!2M2-C3N:)M=DAGIK1EI6*"B J;472*JO*6/R2TH."'U3F!L7D M2DEM4S.JJ%]9F(EHLU'%
<<_SR*U'V$V9>O%IX_8(979+F.ZYLZGFLT]R]\H) M:OZ,M,P!*I,H?_1CUR<]O_L;JC+[K\KV6>]*1F[ZROYX_D07]1Z,?M 1R5I) MV*.JX-9H<39UI[LL[.J[(>R7IS;?
2!V4#&//>ZO!+ML#&Z'_$^M&; ZR>:Q7.-5#8U\?H:Q.5,_M(,(GM&@WU\RI9[!SR6C%\+6@'(:]/09BR310&;%U2M>P:52<\)DISVQU5$F4M'R7/4YYO-
;@WN)"D*B]I"J'[,^]@$>O:8=P49P^>E YLR;UGEM35/BH#[6> W+!FXI)Y"L'3R M.M1WY$-6"G4;V\PKA='0S.LI%24A\U*N%2C7YP6M#*!51=W,]X'AH+T6T)94
M*@HY[8Y\E&I!JU!?3!&GY1"J!80*^=Y9(:0"A#11E:KJ)]>D[88P]MJ9AU,B_OV?&$7!=J"YGU65&K VI5T92Y M!_AZ05M2PRADM=HY08N=;"M14CF$&%)2SPHAL]4Q1=J-
EPD$-=1W^COYB6GQ MPC<27KD/=?+3RR->/R?BK59'D?5ZZJ?\U-,L*RGN1[-A'O4[.N-5BWJ%EK^WN!OUNMT)5:BI9\6MVNKH
MHF754$OEF+V,AE'(:ZUS8E9#7JM4<]K/4<20GGI6%.FMCB%J!@]"/2D ?L.J M2^%(^(9#OVY/ZNO+-_Y,V;-6)+1ZJC ./.F&?/"GKL3&%)0SXI9$UM#R'(^
M)HMC]EHP6U*U*.*SZAD37"P)$[U$M8#/<@35 D%%7.^\"+)ILU'=8@1!O!#% M:0I17'Z K%[54+?]7QUX%08__Q_QKMME_\]I/AA//6.:DR5+K8[!XYZOW&U5
M@3UT7M3*J%N:.L?L]6*VI#9;R&G/F%AEROWK=M;W1_E33O6,"4Z6C&EYHF%R9_WUNJVJ4$[/BEE,RA,M MCMDKQFS9G+PB/EM=0M70_4D&-_\F@5\$5P-A8BFR\BLC?
E8.GRKTTG/!QV0- M/@UUFMXYGC/ 4&=>]1A>ZQ0@_HR9399L4<74X!ZHZ_4>5*&8GA6SF(TG*G6, M(N&8O9!B6L1GSYE(I6
RGJB9W&=:4P05XKR$_G@6;;XEUQ"J&IJV=Y$T[6 J&VO-P3/_CH)T M"%/GE=R\!,3Y\\89P@AOG?&[,P]QP[)K#PN?/-Q2VA:\O^R4=^S*B59JSU;C M=T]?'N__+MP]??
_V]+W;>WAZ%!@=Z>-3[_Y9Z#W!6!^?G[X^?.KV[C\)GQ\> MNX]W#]VOPG,/OOC]_K'W+'SX\=C]\>D!?O]8!(2**&MS-W-E(57V[-S^W!^1 MP6Q,GH:%/=P?O.?(B6@'\:?
AY[0/^+>$&#\[;D ;P_7(6MMA"^MO[M5V>.OD M3RZ'Z?X^>+%TQ*4,R*L3H*S:T#QZ>Q/B=R?$QF9QS^+:]"2VS;9J6&5;$LO
MDPRUFIZVR0"J:;2K5];]5Y;+S>\L@])++OKI!V6U;:/M+[P/PJ./'IL0!N9$ M9(#^^O\A@U=TZ&<./F[WX:('1=?N<7\E[)D/;N?@SA3U>@'9=M_W/7_B]H41
M0)OD3ZH.0G=M9O\M(%/''<1&)ODY)5Y(POB3XPT$/QJ!U._/@@ H'>@_)-4L M2+W;FQ?KF'5N;UY%K&FYDKIA42P5%LJM84-<=H+_ZD=+Q1M09UJJ(H*Q7)'6
M0EK"U%8]W[BOMM!NEMSM]OO!#%3J5.1RHI1HW4%1!G9T9JJP^?;@=?KEEC#9_0-AGX9#4#HB&&^L??3PM05QK691 M7.LYHU5[&)=* TQIE"J-
%)T&)$2O%0U1A;T(0P%W[@T#;\#V%YSQ&/"18B Q M>06TA<=+/ CO([<_$MY)L'@@R'* GB-X)!)>G- -\2.^X\[WJ&^%>M"2,WV! M'M:$PF!&A,BGE]$-QM!9GZZN\.Y&
(X$X\)8^IJ608.H$,,2ZQ,G:;4M7R\;) M*O"#5%5P*VC U40BRFU5TUD;E-)6E,IB-E6EDD%5NGU5#:K2[:ML4+A]9OGH MUDS((UO'AN7V(3
MB.:^AVA_!*3OOWKPA,$QYWU;#JDK.9AFQ\MRK-^R]*SK[M3Y=4*4>T=B6'E#6AH>M1'#*N M4JX]<.V!'>UAX9$I8$:J5-,STIJPOX91+E8)CTOJ29)-5FFR2"==KN%Y3=
[UF>Q*=:C7BR+6^K/3:. '7;B[N M?-G ">P3'.%>B"[/FHR[HRO-%\?UOOKAINXT)*!N+J]?D+^K29?.W]W<;08V MF?2IPI3)U767TTZ3;_O9Y-MA.FT8?;(6=>U#
W3:EF):+=6(1FM;:KEDR(W) MGEI;L\HELV[+JZRL:XAI59>!R@=U_D'9>Z7%IC^F[$*+:;"Q)=X#X$UK9SQL M)55M2(!-
*E$#:Q860D=82**C\X'M6JU&;Q00FEA_RB3AK=&^TG3:WP<(]2I5OTA5W3-!M993+][NO\[&PU5\$QBXBF\" U?Q36#@*KX)#%S%-X&!JPHW09$KCTJX MMJ8P&T]G>-
,41KP6>*P4"A_&?AB2\&,V]=_U%NU"_"D)J/NOX3U4/OL!?$SG MW9\+K[Z\>)\/'==]YTGG^R=R5=4^+W@".K]KX'[^D1\).W_.ZQL!R+ M)K@QO*)R E: @'6[HC0D3DY<
M'M9&'LI[]W4H04YJJV.H^;A[+@\Y 7-YN'O*'\H)1'F=@M'' ']50LH:D+*< MCS3/&6@7IZD]HD?Q,RZ>Z\V!9MON5$(2/V7M&ALKD6(Y+Y%\>(.^_*FC:43=V4AK:B
M:8.!HSBR;MO#ON;T#=M6_F$"CT]N&BU"2Z;.*[EY"8CSYXTSA&G=.N-W9Q[B M]F1C0%TO'9&EM"T8=-EU*HK^92$BAZ[OW=.7Q_N_"W=/W[\]?>_V'IX>!49'
M^OC4NW\6>D\PUL?GIZ\/G[J]^T_"YX?'[N/=0_>K\-R#+WZ_?^P]"Q]^/'9_ M?'J WS\6H:@$4;GG8\@*[="N5#P[^2->#/R.? G=W[=/%CX'KOYD#?D>5)V,=?XT_)]^.R"-RJM
MDE'OF:G>_P2X>NR#[<+;#HB"E^7ZA,&K1MN0;=:"G]6VK3,7D.,!T;6?_\:8YSUB ZM "ZM1E#R E$<-\TT_-&JXQK4PNE3Y=WC3 -XT MH-K3 6U'P8H=IO/]S_YX-
D@:'L/_#WK.S]4*@=YL2!//YD39 MJ'VYB[I7LZ@+F?,. Z7)7+T\F5M YHJHV/F:?9SH:D!T7+:6)CKM\D2'U6,, MJY#JN'#E=,Z%:Q7"5;\XG>O8HLM01%NN1<_YL;_W\\"?
TIX0X;*9>F.EO"D#0^+"O#R4%8"R(5J&Q$AC!@ZL*GCDCDC?25XOE*ICDCBRN<69"HRGGDM4"Y"AYY^=->'1N82#I# M3)(7AKIDW:T:N_2?
HA%8)MW0/*PXL"J@D=>_NC3H/6O1$NQ.(^\6BA7P2,O?_1IX-&G M)1IF4YSZ55;\W#,HJ#%=#WG_TZJEU>4]#X;:ZBBJ+2IV[?-)>/O4NC 2WCZU M:EWA\HX!0P-
&@IZ!@NI8G*RO@JRY?E"Y-7MYLM9;'4V71,FJH<./,Y)Z,A*N M'U2M'S#@;36 D6BJ.*B\._L1W=GOO6\'!TO1\?+T?'*9.456%Z.CF_Z MWIRAQNDZSQ%HHXP*:))B[
9R%,='%>I(X7TJDV N;RB:V&U>HHDB1:>@V[MP/%".NRPSL;2>17A09=/^C6P8):MB;9V= PEISHN7>L@78W+)P>;&+AL6:)F MU3# E-,YEZYUD*[&Y<_>31GI7!=-
I19%8)N;T]:=3L

/LO<5) (1:W@V)IY6/]<8>E9HIZD9> M;>3 JB^/O'SLKTF[XHJ&Q&M]7B^4J^"1EP]3,W5:MM:6\N&N/.'MVN)0>4![M\Q+>3(,GO-7%N]881L(#VIN7\&::/.'MRLF:ZP?
-2W@S+9[PQAD)UP]JKA\P MX$FPKS'AK2"IRE@EKG_"&KO#^;F0HTA_B=\..^4'] SO%I:6!'A5JW/GAU$H M1+[P>38>NN.QX @I(/9)&+OXW#(S&"YFT$]F(#@!IL@AELD
_A!:WP(R=0 4 MY.>4> !M&HGLTY*=_5D0$ _N ;Q'84OP,7N.X&I0'-&TN]^/UB? \(B2B M]SH3 "K^! /XCS($NN-D[\Z9NA$LZK_)(-T/G.B7P _#_2A16E"BA>W>9%&5
M0:I+^8+Z=!ZEQKZCQ%RE8Y=A[*JH&/J&L8>"/Q0PGR#F*6E2 9W4)](GDQ<2 M)#_)<=2]* 0$3[$C]XV,Y^U:P'P;"7?[?<1@*'R'Z;IOR*#$!1$+70IGD:['
MXLNOKO/BCMW(S83?;YF^>NGI9R89+"8)?TYA)RG-3N(?85)CH$6<:T+.X[DP MF!%A"()N$;$0"N\CMS^BW &>X0=(OTZ$Y.X&@@>436""DR31%H%,7_?FC&>D M+?
0H4YC S.?"Q'&]"/Z'?$1P,'>7L@?G%;^+!!=3'0H&#B0@] ,R<"-A[*.$ M;2^W)F8_2'"A"X\ <,^\9%II=F\Z>A<9V/N(>,MT8/H:_]5#VD.&YPS>Z(C@ M,?@0S"RF+P
KI%N*F)/,%EHIC]>%#'_=B;1-7IY>^+ID_CGN-M$MEG*=X6])4-]W>SWYP M1S?O*^Q=#W_*IY-;2E$Z.8N<96?B.0K!);1ST!60$[^YT9S^A!>':?ZC,(4!
M^2!L,0NRB$$A!710A'[L6EA@ M5]4SUJ,6Z/\C<"-RXP^'8)2AK4%UU[X/ W,/A'O=NA-]J #O_5?OY]Y*.EUR M6/'O\3K/BPA!QTR^'!U\Y +@! "
S8&/GD!^]D>.]PI&&]C:0OPWY_BGH(!D MQ>^3!?\.ZYU*8="?Z7^+B,(HFB6;&"0&E;-F:VE4:[M7) '&%0=8+#CV.%P M,\IL=0RCAFWM@MVU]_)5RM:JDS#
[]RA(AS!U7LG-"TBU/V^< M(8SPUAF_._,05SKK572]].&6TD;'8MDI%]4U/?U*[>8*\;GHTY?'^[\+=T_? MOSU][_8>GAX%1D?Z^-2[?Q9Z3S#6Q^>GKP^?NKW[3\+GA\?
NX]U#]ZOPW(,O M?K]_[#T+'WX\=G]\>H#?/Q8!88U&4N:DZ<#W2AX ?$K.,9)(B=_FW2! U6D" MZ_/)#?MC/YP%19Y_:T_//_8UMS\>Y[=<(_]_ASCS_W^%_6X[_&H,N&IUDV
M[7ZI*WF=E;O^3[;_\:8YX^R)?7+:[\;Q5FD85BQ)5ERDR;$^=Q"5.Q)8(Y0N MK "-ZBA+,3:679)$TSRZ&@M;+B&V*>;[$OA9HEFH:D V4Z"4("$8?H!P"4L M_I-
&4#R5\=IRGEJ=;B@XH!KC?L/4:,;/P 6I(B9I/7$$_PC8'$GB MRST_PHBT0>S=)7%H6MIS*PE01YZ(WT\DJ4 S^#%RPZ$+ M'T$QI["E@>HOL!Y.'%2/WE-
_%BR#Z^'!3@0C>D/'J^##WKA>,G(ZOL$L3O[M,8Q)2*^'#\"@Y\0)XLR$@&!. GIX3SZ$"&72CY#M\P>K)Q',$=]W0AU&"(!0RL+OW<7I<_A!R M+9^BZ+ E?
E'!ZQ5VDR"VI5?111*^@5*T5Z[4Q><2G_0D_.T__Y^ER.:O(;P8 MM_J%;K4#=#A(2#T@X6P

"

AGP5 DA^93>RA3Q#*>4<-(_H)@/ MA0^M[_PM;'..$LRWDT\-^0 MP=
O7SWR$_X33),=I$\1XKU[HF.F WKP\/S(!?:&&RI\P)MQC13I5WH#?DL_
MR[]^C!GJXFN?\7+M[XDP@>0FR-,-TW>@.\#XKGYUPR@0-
EPG#MS@A01/0_IKV)U%(Q^/$ =E4SMMO=6Q1%".BC,[XWGA,@,R M)[Z7K-
F'H)V;0&D[';I1-\@U=H#(GB*\+/X+TF0LO MF#<7SE!,SH)P!@**/CO>Y5<46/
390CT%0M 4,#"JGLDWI%W%[:?Z@P4FK&3 M>^4.$? @#&#)@,;3 4M
M3ACIC4K@59##,[(@CY&V^8WF+AK:^[WF&G']L<=RX5((L_C=C--GFQ>XN-
B!F^^\$U"]_%H78F@NUQ=C: M1_:KQF>J"6G JX&J0)2Y:>(JT@IEZ 4D(;A >3-,
[(Q'ADH>W#,D+HQ/%/IX M'SWL0;T3J>
=\S\C9*Q>C)F83*E6^3(',42"/ESR<05,=Z!&SC&06XAW8HFI M[H9L<#$=Q2Q
W3,9AY.(LB5[2$<2*\>8;KIK-:FJ' O1V!E?&J[6J>&:'O@X
MXZ,YMMGJF*8I:GK^T%18WQ50$1PWI+$F2.2+EP)P(R#V!-T4C:M M!!7;-
(4/\/$GB>(:"6NJ^L(&61%C<;V%9$@#ZF !YOH:JS?CN?!&T.Q =K*" M*T!,_\;]>3-
R!P/BW0YO;$EJ=8;^+$B@BZ)ENYEM*I7M*?WG;U@MPGO]1L]? M5X\+
<;2W@UGP[H,T)%ZZ>;8DPYA1@T*O2;AN9@NQF3:;^EYJ1_NS,&V82=<)
M[#,W(+LFNIHKX3+E5BF,9@"E]VXR=[3,T+C]#,]F6LDB@9:7Z(Q=LU$EB
MS6;]*'U,9@01BD5J@+.[X0AX!>C**<==^'#@P\2-(D+Y,2+R-Q^;\&( )?". M?
N2C4P6=O$D 2<+)LY3[S<&# 1=0E51F08\M&G]14I\%- 078#B@3UKS$,6.
M#'AP[,?8Q[][=>D,-D]GX.D,9=,9J"^]R,.NUMG#'NLA8>Z,H<1Y21]8X6Q,
M$AT[Q^PSZD[837(8BNLWV=*^61P77]B]$CL*3P,23GU$.L=>^1LZ/6P[>[:&

*MI:MELS54LVW8VU,L]L[6T-J*J99ZU.;O=56I9E!*6U&8&Y36EA6#M4&I;=O: MOE([L#V;#^S)1PLEEP,Q//$#@NJ&WQPO9@#+'.X]FCZV*"U^(-^((,;NAQ= M&!#H9O3O^\0Y0C]\0P<)7YEX,;ZG(2GT4UH_<>"28QIA;@HO;2E0&K MF\89T45Y@#5RO=#MTT]_0Z?:7O1WIJA4$.NQ0G3.^+FGW&E5<7G?-47Z@#R(MXZ)268G?+NGYWI%M=[#[)-&W,[L7.\)+QG+:DMWJV*(D'=V[DS=@9R?6G#=@ M7T1&?R,!):"M=%G=R46>+%,!GHCN5)^AJDS^_,F6)\VE MRL:4IQMLKVO:G$^DOP2GW%>1497V;/PTVH$=.7#A^0PLJPZ(&-?"-%0 M6"E=ROL?5R?RY.-$7E@*>&7%GM+JJ';;U!J(NSK>7V4- !;E4XK':T_L/TQ$ MX3'' XTJ_#0+%N?WL4,S>QJT6.4B2:-B]Z1C4HXK2N:O4D]L$F@8%#$IG@Z6 M,AHVZ6[K577690EZ=;R_Z5;0YS1&'\-UXMC"ZS")JA8X1]I$GY=9"EUOL S8 MS)A)>?FDHT::=\.:6U+G3, *E6)-@9PW>9TC@ON['[4AJ]BVBU3* :QJ@I MA4D_&*JVA+7=ZAAM6=I8-F=S)!MGTHUGTI?3MA;1A#20L*S6I6#99UVTK'P] MVVOAUA6Y_YBTIQ)93=,S3F!/)2N1T7L+:AAR@^H@$L]LW6$&E2)C#0'+R@=1 M,$_9I7%U(3_2B0FC=I*_+1KQ0$%)8TQ1J#&FY,\:.1.X@#.WU&08 MIHTS&7*; <;_)D"NNWK!BR"E8-[JMRI48N25%P;#ZSB)&)"X('OEQ39Z";A'"!WES$N?^9W![ME; [G1F55BN3?Z!['80%TBWL^?G6\K:EC_IXFJ_5C'=7CD='3O5-37.T4DA.L M2ZTXT,7,V0U9\4%[9 +)"^[019PJS)0 M!# IH21_Q*8D3E+Q/RWIFMKM:676;)'TV)*GO=+\@-Z45.^>>:NW+4U]C%N< M$+C>739>&$[#>#VL9>M.Z _+1@UQ MR]5D"NNC*2@GN[LK7W!#%2!C#LK])UPA/W2B8OMD; [2]KE:.UE MT:*@> [@H_4@+%B?%'[$.\7HIR'!C+4CA'=[T'V58K[J=]7X+?. +@_!SX$\V MY&J6JIAO*S:6#- !EH[AB/DZWU/AWY)5/GY5:G44T5#-PO'3CEQ(<[#KXWG< MU*3\KH[G\:XJ21.8TINJG7M1Y%;'$&5-KFA3]7./7TEBVHO[.*SNZJ:.4R%9 MDG+,W2/GYZ*'6T" *_U[M4@X5D$GY#EN=5"L?? 6VK'AVI=QU="#QKG&47!ZVMV*@+P]DD_FY#47#5K%E1<,<-XHX\ M!=TJT^8^H+\3I[\H]3V%S25QUQ]L$;? 4RV>+5E[+6N/O:+@JE[\TR'5I76KLI+7S1Z4+I>KR'Z>02EZ%<7!6? IEO'@ M+*9BUZJV]H>%TW]WPSYLA=H9##W<%(7)-+5/A)9%F6WQ(U9W8 M? 09KB1Z]90Q!W*G/L%$/2"E@"WV'_5H8S'AVF%J&F-#>/KJ'[Z6/WDY0EN*< M./I+U0$&32;%DK6JBDE18Y 4[59'+2#%ZR",XEWEA'%N&26S1QB:1).:N(SB M,JHNI%B)C-(9)$499=31U1)K2AC[R*BS5MPX9[&-)"HJ[9LMS%TR;EJIW>JM M/.VD9)ONRJ=D4S:2K=+J2&VCAE7+JJBKRKZ4Y(6%]S?6&*$H%2E*SR?E- ;? M51IDS<5W]387(_C6$-]F#1V#[%(4EQB7,9T8H2B=2@PF*LW7R#RJQ\'8PCQZ M\|< IK$;S1O6]JIZTZBZU.MM9/FWQ89L)$P,&JUO878&&0&##D0&*:IZTX@9 MBC(+*:HQ^&;PK(I!?%=O&C&#;XM+#"XQ6.$[QYA&S%"4S25&TT^.(A),A ^N M)V#)E7!S@;V]0D!985%;T[N*SVP/J86SC;KVK&VCTR@*\]2585G?QJT\M'@; MB_U'E]I&K'S?KJ9"4<5=_)C8WXN6K*IB?Y5+D6D]]O< ^M69VE]:H7L[_184 M]- FO3,Q:@^83I>_2Y]RZ$;RDOWUOE"U) UN2:QG)0@Y6!DZK 5!$"+,IJ-F. M$ 7$"6% [!=<+HV"&*!'>1WY(8E4'KP<@AO]_>U_:W#:2)/I7$-KVC#P/8A/@ M+ <]3A%J2>S5C2UY)GN/3"Y HDFB# >'9.ZO?YE9A8,D2 (410)4;<1.RR!0 M1U;>E8? E!_2+*'E!R"G*TO$71=DBGM^<*RU]/P J>,Z;0H0.OI^-!SX(/0^/ M:GX#_"#G"T Y3HBE2:+$65#3X,%^+0M1#J">?&'W?M<-@]2=+B8&[.?I>KI/7 MZPM02? WOV$LLH!$[ZX.X^'%F#&&%YX;]8LQ\U,72. T(+0;OZK4NS%]TRQOJ MOKT1I#;KX 2JJ_O?[V[^I5S=/WR[?[A\NKV_4TJZTKO[IYM'Y>D>UGKW>/_E M]OKRZ>9:^7Q[=WEW=7OY17E\@@=?;^Z>'I73[W>7WZ]OX?>/68BP0"-"">SV MFN@;$+\P\S*(GC8/7)EE6XZ-3*>*O#I6U$P8# (L.#CUW0BP0V+0[@L'HBW>@U1=JPD,_:PE2K:KR_4:"!J+ST.^[2OW6^T086RD_3C] < MJ=A8S"A4U0)"U[JUYG+\Z.9B7*OV_$979;O;0L?YFT^_)SH(:?H^'7- L7$4RC2/;GH]9IO6PNS=)ON M\1*@O7V6QBR,02MJ8Y8- F&VJ5:SINZJGNJ)49NFV30V56^T\Y55K2L*YUFJ# MHO#Y+LKU[IYAO;HW0DI4%82U?G+1[F6737X#)G7 C6)MXK:JURO.F0X(0; 3 MNKULHGP#7G3 C8)QT,#ZSCLKW7MP!8_/#EMV/8+E>0@8Z^%;)QK'9;SI8&7B]55I5APNU5K MZCNJ-MNJ=32];"5PF[5N8WVQX)PE12M5OG!%9572+>G.X)2ZX;@A#&<6BLT[M C!$OH@SX8Q0""+DDE#0)Z&@5%-(K!TBERV&"/&<_<74Q!)MB^9@.& <6" M)VH+92_YK<<[* 59, H[NQ>RUNF\4?^VF_^$(-QNXY 4_QYDG/F6>8G?G'\]/L-LX MS=O=DXM6LZ8O=UTUNE)+;?^27ID=7.VI%8[!Y*+,[?3V4) MOM[)1:>W7$/K /4;MH_A?K^%0M:R]NZ!6/OK+T4[=!B]W9!25 MG(5S;^>1E?*

C(WNII=5@X/Y4U++R#Y4LSBEHM.3S>-,5T-W;)42);M;CW/+YM
*MQ;WQ*K!5:W7+D/K\;A3PS[Q3-\:]8ZCFU/+>B39>(5X>G]$Z=MX V_8UW%SJ*
MXI;+V)<"'2P%2MOGEPT>UG1B956Q*MR.[%\6[NSFPEQ[=J 0S#=$"]QHTU5*
*M[>JB8$FF54*A5]&KBPY&H*N=WC*)5J5TT^XPLMRW*:LW6+X;E6RBVO9&)>?.*
M\5'UHK[7A5O53IM$/:MFE[YID3YT&UK_6.;(A9E"2J+(YM1O:#(,0OS!#%E*
*M$#XP16*WR,)W^S#5,T5XP59^L"!*TA\NA*")".G%W'W%9CZ/5A-][).IXV3%*
M88C:5QGP.=QV 5R]6@394G1T[KUZCK=.T#^C5K&9= KTO>J? G1774)4<+4*
M/JW[1IF2^P!T[^2BI==:RX!^!>)U]V>>41WR M0J-
*83'T7;SO:JW,'JN,,?"4<=+KUR08$R43*W1?NA)W(Q2RV5QCM5F3VE![< MF/63G?*
&S'1STBL(!'8+=%;D[K\:X!7E8Q009T+.-GZ YP_0&3QC$C P!%)ZJ M
=S:9T%@\V):6$)M[-I4),M0IJY'^"-4;(X]J'9C6H<+:C+FO?1#>@?^';^# M(S
OG<1(Y;M"?ZEB%WXV!-.)'PVL=U.IXLQTCE;CE&68]RB'..A"R]N64< +%/B,,Z
**:MJ"GQ[@Z("J7F) M*^:I*M!K'&E5@6][*2NP$BJRKL#&H61= 5E70-*
85&GDGJPKL,L$RNZ*PF<' M",Y;BK_K-*
*3&#L@J)R+)N@*P;L*L(MWF*KJ6X^_%D1;B4DU_>1MB3K!JR) M36B7MFY*
KYV9I23+!E0"W]9&[+4K&SC5Z_"(O;+@I2P;\%XRN4O'P-=%^0RM
*MGV"__R_SW"S&WL7@^ZZNZ9]*DKXMRPH< W0%Y! %NM[XRN1)XO)*
<&6)0GRB@& A%8V?'UG=QZR6L'>JA5T5[3W
M,&%"&Q(/[G0&LWCS2(^DEL:68_@O=0CZ+Y1Y\>C826R M($&Z(,&WJ"*
(!;'404G:$$OI1'ME71&KERO!L5_&M"?Z.%,![& >N H@&&!XP M47'
*[1O]J/>\@BCM#V?14#Z/@*80:U': $C&M'C&%HPS%;-;O*:!@=C.JPR*
*M+NMV1;>J@]WHI*FM>7*QJZ3:TEQ<%0I5!QC@!?&*I-IONZ\TL9.,VM+ .@.<*
*M[9VA5/=@K45>BU*86[8BL?!5R+0^6;9" %YS5P&B98! ?@YZC,G[[=+(Z#-?*
I6P!RP/&H)MG-O9KQ$TR#%10FAF-P0N>ZEN&X2,<++QNVK?#G M$0!%5;((S(/0\V
*,>Z88TZF-T(;#CJP/'-4)L8MT[.=6/+1*8.25<'>$,VT- MX/4YL-]$LR7>] %P[,)R:1 @1*
M2=#M0,R,X /'?>;%2L#4!SD>VL+4-A!@'H-Q@&::8<%1R D7;62?Q:3';K M9*0Y7X?*
LR7V@[9HKCLLO; QH;2S6VUU5:@) $$O31&ROJ'?]
M5D1_.+FX7'&UI8HR.Z'C@78Q1E;P,V I\3510&H?2Q2$I\0,AY@ M,TOU144V:\+D-
*Z01 9K^!M#,_Q3,TA#AQ@- 13S*UIR 42/#3L$%K$*M*
MUEMT_!);]ZM"9TGAJK1TSA0!ABA>%5$.$(<[X65I^KQR1?K$L\J,:,A=SE&'
MBQ$]Q.;)A&PP*(QG4ZVHI11!_5@S*-X#=_% M$]@0R_%6B-
0DWM':65VJ#=LX%")1>XQN+P\BY>0=KS_Q#2[9MSKQ-M4PU5J- M'9WXAFTI<3-
T3; M/G_4H[[N^B-C#^TR[J&7S_V=S='1XADDTZ\,1L0P]>RR#+6=U!'!3Q!VO#7*
*M_3 3D$LEAK1ZHU[M&D.B^0.O,+110/=G>)KT"#DQ0P>58,!BH*1!Q178P!A*
M9_#Z4/ ?7LD6SO\>OA$%>.?+M9SG,8A:TZ J18@:G5JOT=I-O9]&K==:7^_G M
$6(2K]HEM8KVZ+T6J^Y?
JB%0]&:PJI"M+]A4FW0V=K5]!NCJ0;E.K0C$]24A2!KZ6D'H;6B;N\MHF M364-
*O,&J:UTI(B5E2Q'Y%B*RM\=8CC1E-XFRV\OYS26DLQT5M2J;X?O ?&9X*
M@[$"/#,;'>:!'XS9P2O,PR+/K*Z5KL0AAL:F+X5R;0P+JC57+[8+[TPE$6P*
M2L3P]QBOF<;>-F)OH[ZLRDEL'<7G'"/
ML8AI[.V>7/14K5<63GBDUSJ/S(:'(U49,8=YABTR&LV)Y5@\6?AYZ:ZGXL62 M=\'1-
Y01>"N:Z"%-U+5EAVKI.;HL]5TBCKZAD,L;86^S?G+15;OZ]YLO2%PJ M$2?
*NV%RY>]+=@Z7J4N4POK=F(\J5KIY,V3D.'I!_& MU]J,Z*BB\+IXJ]]*
[]>+^6V\/7@W:PT$WZO[W^]N_J5;1^7I'M9Z]WC_Y?;Z\NGF6OE\>W=Y=W5[^45Y?
((`7V_NGAZ5 MT^]WE]^O;^'WCUG84X("'JNW]&C-
\YQU$.,R%C68^S:P*Y\7BS]S@W8M>4/ M;-V#3T!F.L#?O->,5EF5RN0*
MIEPE4OZZP%13 (&]7]PZRE<,2,744WVN^.Z??>4W%_O0N$/EVO+8(']7S'"
*M8.QZ5/F&US6+P52T5*Y>7Y'@X'L!/^#D#,017,:3\ZH_6N%J3,/R4V##*
[C^X/)6"IN\KP\6 TV@XRL3 MPV3X^]3#JL]4+'.QUG'TC.!*>HI_.0#"\;8HC-K$*
MP(%5!0'Y A4C4 Q1(V\@9PLS8CLK=KRSX]P0O_TVQXD78SVUV^EM?YS+
MA9AM9CSC9P90[,2P'/R[;]B&,]B&!VZXG

*GY6SKW@:"5Z1PRM(S8# M4PH7D*I83VNM;035]'H//'']7X+WJ\=>#MVG"\+@*=P5VL11+V;6<-@JMW"*
M:J(Q>>>J.N9R-ZR:TN[=I^J.H>?,[$H:]XM[&D8H8JX/$/,I@-!/ $K"$+@I
M21%AH1='6,6E.21@V>SJEF@^PD'.R;E$.C63N*-DP>$Y)X8AM^=H^$6=GW/" M';I 9Y_3V)W?WS>W15WP?7_]_05?
UT,C%=G-^9GW;>_-[^\K>B\NF6YI4;AOWOG@BM(@3;?Z LMGFD_MVO? M)3Y@PQX)*
*(GZ(KR4[^T#Z*4)2F/FQ5([>CWRMA='[OR]MDU(2LZ1N,VG.YY$ M2MW E=.S-*
*7SR"IZU.N02&Q.K0"JNPQS#KI&+8$:V*OJC:'0 *Q^?KG#SC#:;UUN4D[]UQ6=_ MHT@V/*"_#>1QE0<'S:&.5^_*
M4A34^%M7F/@E*6\EZ^.[KR_;Q58-94WB*GALUIMD+2V!^K4%MLH: ,QWC+H M#Z+G"ASTI?GZ+,:\85VEMU'-IFU9\"B.*

N3B"/B((0"3B/L(;I(_%/@(>6X2_MPBQ2V42H,F#9=@WL_-3WN,+EXR/WI84Z=3\"NJWQTE4MJ9URQZ9B779E^.6<
M$9N@JMFMHYYA'2_";O75!$?LK)P/^>:YK4]LH2R[+BB&O!YE\HOZ1+K@''I,_MVN.HF:^Z:KJ*=-
_H$__R'D021U7>5^CQZD=>KQ/FQFX418!2VC;2(2"!$_/(_M_A3S#0U%6.K::IJ,95/4$G9VE)V>-%<.3ERR8ML,4-
/FQ)SXBJ<9FI)+FP0Y_MP:84GX\P4GK^MYW"SPR^B%K+"3@HK^33>AY&UUE[G:'_"Z_?_8]%@:A9AD'F_M!@&
(TC#!$5=*BCV5_X9NV$4.%5!+2FUA[Z666Z[595'3IZMI_917TGU^#:V/
M_:"+KGK[@ARN90>_U0BX^%S4SWP_AMN48;XBYK1^_USG!:WK]D:P>FZ+HZZS_M-/"8&T#@X2_!,(PQ2!E,
/8(C4,_(X%'I,,L)(E:7KVV7#C5EHV5D_6,\#WI_MCA.%4_!90*?
USA9,:EJY0^C;"*&!!^>S78040B0L(*47&&$",;50"$71)P,@_M9,=:+NQ!4;J]8_?5=WG3RXJ\H5_R%]'5B6\=[0-
L0SN[?/585DW^[W%YK:_T_M1W/W)]V\T-_*HGFHU[&7A3X.*0AH%/)]@!L"1%D,8)K_E')CBQ.E4E>7L6/9_MX0(0+E1-
8KL(73GG9CG,U,QOQQ=H&7-VG#DM:ZNVA@QN#RY&3*ZZ_]2;PF_Q_M+3/X&,O(NXB9A;/X3_!WG/EG9%0];>-
M$;M[0$7?.:.]T>-.U2UWLDJR]FB21#2(0!2+2(T$,9#%+@5(Q.3S'_PXC1?I
M1*3(N&6S,MQ[OLN+_EIFJ:9$JA,H9ZA^QFG1.,6]K'%1?[4][EC>Q;@V7)Q=_M6Z-.(G'/W^IA-YLAW)KGUZX,:1
M'_%5@[5W8UD(4LB7$X;XRI*QE&90J3WG-#G;SN3Y?CSS-\@ZZ$EZF<8P4?0T_M+X%#W=V4DM*4RSE-;%FW4TKP(]=3[BW-
1KU]"<.[\@KSP2MQ@?=$J^;UEG\@_M#2:!S$L2$"_#),@H21)UT6;]TOD3(_\<:E/_M/^T^_3$+TAIPV]]?
M0UXGWHV5LZ38&35J@8=>%%LT2L/L)R-,_R:7D/>G@>1_M^]ISX=QN0;O=@?9Q%C3U1KS*\IOJORM/>-FVN\J
''7;51]!LQ"Q\%]&P=&[_M0BQK<>=&_$("0>;3B!N;%.$8(TA1H%2,^"PIRZY%M]'03B28@$C._M/I@17,T>=#+0I1?
LR!HL2CPKFJG"Q.<)+5N<>%;@HP+%\V_HJ>YOY4N[5_E<_M?!>A>'QWPHT$><;-
WY'8R#2O5QA7SVCS;=18.6(,0X)=X,8>UVE*N';[_#\(_M10E.8A_35.D:38,'R\H^<"3.$
:>G)XI9^#*Z=F2;9UL#'\Y@V$9535+8@50_M94-S_22&+)_.!XN:I@L@.K19EPREGD[%1[@OBR'\X+5MK?6W0-ST69-
_*1_I_MM>BY4+U^07]>/3:RV52JXUJV3#T[0\3+Z]_R<*X>S-=0.Y'(T_MIVV2;2
5K_JM8*B4):4+AE:2E#*QQ7*D=&$8ITAICZ'G,'V@5?Z"NB8PVP-<_M0I?Z"R7W(I%!](=I7;1=#?/ZKFT-<<@R&OA8
MJ=Z"-B>63=2.K[V;&G%NT+/F['@;E7JOG3]:]A0]*/T)D?.C%H%9S8#90UC9_MI;H8'4..E3X?B[I7%\-UZ&1=/J!N:-
+C8]X,U*[+0J0CTP)S2FN:^BX-W13X_M./(!C#_&;9BY_/E9XD'J^CA4VA],T+(>G+2EW-VCC&FKABJ=!TSR%LD,#(I7
M2%H(:(0JSVZ.LG+M35S?5G[H)]1QMZP[Y3_%QU!U2T:4O5K+%+0HS#$$0^_M-P$P=2E(78(_)G[HXRQT8Z1XO62-
5^NW48?'_MV^G:X;_F@CHU9U8\AUY00A&&&["R_NV_YL4+':KOY@7?P_SE;LJNG5E9Z!Q2_M6_D*7$_,MN7%WO?P
ML\R[PMW&FTWC!5SP/O6C?";9_63E'LSMJ,2>6_TQ@J?RU_SV(3[Y"V158+JY[)W%;FJ*FXE'!1E="/=%9,E-
\4UH;R7V_@7Y6HIV.=U?_MWZ,ZK[_D!?W]_-1M"F,H5+>@%'N;%^B_M;_NFK;K\OFYO.V)XJ)I,A-
NUY;E]:LRUT[+M_"$8=UK.%0\OS$OS%I.DGJYI_TQ3V9M&>5LVF=,&K$>YG5:(:-0%^2#*^^;9LU@HOHF"6?4'
M^D(W?!O/=Y7XH2@WY?UK]XMK[K1QCZX2AS\B3EAP_8UVEUWU0_[4Y1(%:E-]U/\F$H5(/YV3\0_MO=(R/_V'HE:WYBTG:;
((SILPMEQ%G;?$?:\\SYLRHMF5@*^FE-YT5QG%_1?N_MC]%M7]'#,Q4E6.[^+-<13?RD[$X02B""0AR@"$+@0)
M30C((A@'_2$9]*1"]'9#6C8+WSDLZ*F4[7\V$G7&]]<20$V#OW_^^NO5[O_LM.OT5#+^_E'K&\7[N/?:)PM7)?W!?
UQ75;*VG7_M<"ZIQU=KSF/\02GQ_W0U!_B_?.9\%B*23*0';D\),M%K=J%4$OLQI<#4$V5.[Z<
M$6..X*S=U;1(MLSU%5K:?]WRUX*LM3.^$&Z%/>YRL.OM5B^&W]_VTPQ.DQO&
M"TDLM_4S@\7>)L[OD'K;L:]E06B=WQ9$/%P?S/UJ)Z6]@VE14C/QQ]=C^GA/*=^__HK%5T<_MGAYR?%7QO52;!
[!K>!S[611[F0\BWX]%;Q0,$LR=/ARE._I\+R&!4DG1"WBQ_MK/5#G_0V"F_@;7N"6XLJ=#OVG)8_-2-
PR33(&8N%P%4S*AJX]AE)CM'FU_9!_M,F25+N%D4>ME_+)#*V=B2#5K2&B^_LC]G^;UBA#^0=;7_,>;ZJ[\LUBS)$U=
MY(<@0CX"$+($(!RF@"5NYA.&:!9))2=-T+!LO3JJ3D]VY0C"'!9'D)8S4U/X_M3)L?0U*KF14M@:6-
A81($X=)_.U.__D/.[6?&G,1=980:E!3F4_MVXCBDZ4R1WN6ND]4?#U8#!D-PT24,PY2-
^3:&F&0I1X#U&/,_V,L"!4JFY_M,4NV#W2?'Q]1]=IF_^QMVGMF%(L87SX#]1"OMAA;_M]4G,
(66J./#E#"U;]M<8@$<%?(6V[ZP9<>+N,QM!FX4_M3HFE894X?K;+DS;E7Y]DZSE5_6L*D?'Y\VY2NE?6./TV9=5
ZZ+T2^;5=O7?0$_MJ:_14]YT6;A=W:=U''I1E"4$$!)#_&-(_0HI!HB&Q_M@1@B6JF1JFC'K9V4#
M$\Y3RX6#!1L.WO&A8&5,3HB$P7XCF!6WMSV30QN@E7.V5<:.U57?V\)IN>5[
MXAV_2L7>C,^*PO+P1K.CMX)L9ZGNN.VZRCA9.TEX/$G5O,8XJ.7ZOPRM,Q:_MG%R*3-);;K6R@-+>@F9C?,T>VYOV@Z'D-
]]L[IU1#V?!<@'"!!FUVUB+7OLBS)$N[>9CX#,!3EO4.$_M@)^AF/A>DJ4,KIN26RTYV[_WNI()V-*0CVV@HLZT(*88NK&'
!<4T]1U_0L]_MROW]A(+$CT/_36:<45GSOL89>B@+/8R"+_M/!]_C\4@I02"Q,N8CW"69D2I[1'[_MJ97[-
ENL"MG$,KII7(&L9Q6K@7;Q9J?C*4ZQAKD_.=J&FM^_M2I3[QEI@0=USNWUY.H@$D73>CEZT;-
Y0,Y++92;E=4CXE_!J.+]RFEYD??G_MCL6>=^DNDEC-,IX0UD:PRJ146C[>\6B+N7EG!1E[>N'_E16C.9<_MX;
<=Y,/8#3V?,N#&+G?V:(1_YGHQ2&@8,QAY-&2A1G'E!4604IB+RRU0R8K@_M4?KC*:]Z/]".[V=PA@WY?
@M/F#7?;\;UZ\39:XW2U=UIN$0[QW#W.6Q]PP5=_M/_-SL93K9Y#5G\OU,S\ERJZ?!18T&T(P5M-&A.=T]7T.G*(THS#)W
BD._H!_M3&_($N0'P/=2EJ0,$Y1Z2FU])\G9#C[<$N_+<2E6SY^&2LYVFP-_S=P>R6XU_M^%E.2E-
5Y*>)+5L*7DKPHWKNI36Y#VBZA'>UB![V#9"4,?4IQ1$"HY$DL!114W=/"EY@"7W9'9A4]Q;_MC1#KV_$M/\?
P+90"I8R)\9PG>0[>*,E)&:+S64WJ0ZD?&W_\5_-Z]6=%ZBOR_MS_KC#[RY_QO:?'NJ&DY2Y#96KV+G4S?%7;;IJZ-
(GBNKCVS9_O3'#.W^K!XU_M=ZI%(-U0&;RM+^]\HT]EU9\T[!UJ*)Y.:Z_[?WQM%U@U"Z6)J6B,=HRKP?HU
ME^&D=6*N06ZQ(W5]*,9G[A>,HFZ8/KP04M]4-
\U#];$J[NM;].1&CNJY]H:GPC.D9@.7GAS#9M(@MEIVTP3]Q0RI0;#&EM7DL)K-RLJ*YO?%=5?#ME=,
M&B5^Y&$&6.0Q44P6@L1%_7#]),#,91[TL%+/L1-$+%0.GJ3HR^E<$TJEL=2W!!6:018_07LSH6X[B0U8EG-(H'
M_"9L^UZ]W=Y6IS"*PT_$V_1>""#U",AHB$#J9Y_@'*%_3G_KK*A*MEG_)-)E*?0;EY?+"_MY_C?2_*>?5C/7;Y&]
<-50<0?8FOW@C;BT*N]:$R1%X2,1L!/,L)7ZM@'F1M
MX*&8$#]RPSCQ59SF\Z0LFQQ!L>VMT/XPHJUU+SN!F)PO;O8'-4ND#8&R0STO_MG2&W>H+0HL[UO,"'+K;$&
[I%N+M:#K^BO!#YDS?%Y^*%]@?9AX%4,8L1C0D(_MTH3[$L1-01H0%Z
$4C_+4NR&2@4N%6A;50>!$T>P,N3L\I5WQ(]J46UY6.5,
M@"6PU&R"!$Z6BV0K@V"L*+8\Y86+8"M#YXX/Y%SX5!RZ$FMJF^AW)$EVUWJ_3$49=#M;]X\#
(7X=RNGC[,8N=@#T(L9@#CS13/$&(04080R/A^I4N:X+&'KWDC7
MFJ*OOR5_WJ$,H*SK81X65;]CU*QCX,'YDS.QZV7]A^VV'%*RF^_!,4WVK1IN_M2($QT5U#
[GWURX,/_8'3)VZ4T$9<&7_B_U*OHR1)(Y%M&,>^"R#S?)#"%_,8
MLHPE/M_">$SV#N$,#=MQ$#U5IR/;78>WA.6O%,ZA,W^S8$!F-977$%?IHF%&_M(*W[AG-
C+G;M,"/4^/9A[M%+H[^[VXV_YX1^+MK\[ZZBY%1[G=NJ),]=$_>^_M+F6W^U@',_W<._T_SERNO%GB
A21%,28A&'$:$1"I6Y?5KA_MV@V\]?MQQ1-+._,HYVZ\^>RH&:KO]+ZU4UV,9U[I]EINB!R_MW0*,QF/;3?+X1M'O%F
^'Q]O@YB>R>]J[WUO4--F!6^/(_PXC0**4Y!0RC=G_MU(]!ZM,,,(I=%O_-&W?'5(SV&3J6S6Y?
QG%+5N9P0@DF.9MH0'@UJZ8CM[*)_MFI'*D)$Y1V51,S$CZJ&BSSU^88_!_H\0>4&]=1K[?HR\%/@>C$7Y7_\D'L$@
M31!+LM@/))M%3%)9)LYJVW:0_\$1M)V;0C)M91JG^4V2$>G5]%1;@Z<$_MN[SKX-ZH;]-

W\)1@9SL/GGQ8;P6]$\U$GZO7MAQ\>Z3:IN16M*VX_QMM'DJR_M=HG0>2$B(,U2O@B'UGRW]G/W^2652(P/U)9E,0_MB+>?K!/=;=!^=;QZ_.!3/ZNHG=6AGR8=S>J!;IKJ2[4_UI/!Q3;I+Q>?0_"*_M>R'.2]#3<^I5#^C$1N(SW^W7:Q0'291Z_?"D@$8(_92/PI_&L"4T21)&%6Z_M[=#FY$UO-)P_VBULRXCB49L^]')[@T4_55M"36"IO%^X&_=#FPA]/A;=65P,MU^%VX_(!-4T;8Q0W-^SC#[Y9YV;V&VKH32%BTP_BT[_1FEM4D=[?QZ_O_\/H_MR;6+^8XCB0CPD@@#2_@W>D$:M\/11.K-$[4*0E9X-'V$6;+L3@.87TN,^UY_M=RK.O-/]7(MP:SRD9K0_T!V+BG;2PCQ*6M"WG1W%(];MQSL.H)?,1&"A]51_M@HRX_!ZX[!\1DW7PC_MOB'BHO'@6)8/Z9M/<-S%HJNT!;LJ(6^!P6?-N#^(CMPV^1E&9@/ZUK2O?;I(NNZ#=L"/1;APEF),H20$1]1QBS_"24>"!,?.I&"22)_MZRH%]<^2M'U4Q(D)JX![OU==O+C*L6+]T*BGV6Z4NM!P\0U=OOA*(JV_*)O'S]!B_MO65L)5H39[2MW"Q3U)_8T(_S%P,4B^&P&-)Q@+J>W&$E-JX*#)@V;!M&WVB_MOM%G-;#@;_0/#A_S4;'9BRK$>OWH4"1[_;L_F/OX0EXVTS9OBSZYQC$,:MQ!2PV.76B<8A2"B*0$)HAM,PP#Y4BG;78\.RC1()U8KU0_70E#-$]C%2W'A-_MM:D01>&?NE+'8^96?6(C?\=@A=*+@#%5PU2/B66KG%X$U%$=U,M&TT]V[KKH_M?2S(!]1P4^0E28"]%+AMI+_;>2!+$@I@$OEQF_5QX$I=I9VE8-G*;#-_.Z(._MI^H(LNIISONX3!L5(]*JV0ME0;42G$*UL]Q$_M<"_]0+L_/Q.0^Y31!K!'WE3#@)*.5<_'/PMZ&;)M62==P,#OPB0!AZ:'-)=%)T%PZI4X>AA,)=@HOZ]J,_M%VZ%RNI5._;U_R6_EB6IO]+FAGVC-:U>^&=.:$A0YHD##9H!Z!,$DC2)0$@]_M;BR\,(5$,4MVEJ;EY7L@[-P+RJJF81XQ6<-@%_=5L]_37SE;-%KZ*X=S((Y3M!QY,&@5I@8V9A'F*"QL$:0B.S8''\J^IWHVV\\=WC_6_%4WY=U*0BGS;H709NM]/3;EK6XRZJXRQ_%V=EO7V_BZO\.B>B$X_\G>D9P>?03"^764UCI\1U_A"T_M#74/C>B:&9W2="GSR@NN](09G&,^:XF!HA!"F!$0Y"(_M:V:*/_0SXF(7PW4C4NC>$,(M>?E(+O&*)]F[OJI/>?YWJ"JD3,[MB_&OHJZ'4LB'L0TT'52+045&[_.BO?/D?^E&==[E19]G^8MB(;C%IIJD?B+N_M\D$6Q9&X06-\E4D"D,5IF$$:Q6%&^ZG^6$B>GOW$$SW(H#W-M"#_61,LMQ+^_ME%.FMI2V_(&9=/:L3V<')[+95T//U)$T?7?5ALLS)+NOG*U(*V--V-YL'DR5_M%%R,[V7+#"X]'4>E!Q=GP/1%39\9N4XHQ5F(7."3+.";&+'&\#T@7VW\_-/M2^-4J;O$+$7;]Z7#;4/5)P&WF8%#ZB^A3V6=J^X(YU&\]'Y&_QNS=S,]_TM<_MRQS(:OU*9J#WDUS''(@0?Q5S^*+ZR>OG[A#OKD*$.\3<6GV1S/6??MGF5]O2_M='JB8Y>A-IS&+R>BUI'DQ+"+'4O.BS8^FI1XVF2WQ%W/E%TS#H^RS$,X_Q&D_M(8_N1B)!DH_D#M,DCIGK!]GES1-/4+:\/IU+DA;+E':#-7E8Y18J*V"IJ?[Y_MAHOCWDA6NIPH2V^U(>,INC]!?\8)..3:-4X-<&&$P:DF:BE&)_P\$)/$!3#PMN#E!8OIHBKDY86$*H51ZI@0MRP9D2UFQ29@R9+(^K1$@5/T"/0STXPBL=T>;_MHO0V<0/R?=!D7E'W5F^>F[KA*X#P0.[OFX]5)?;:5X^-;*C_V0$L:^B(KL,)_M5VV,H^:J:^]!!$O=1,0A:QM0IB_-&24>_%)_M&B"6,1(H1?"=(V1;A=OC9=S1=5!+6#'=\!Q"GP/79'_MU>"*.B>8JGS_;M!02()YXY/_%W3+/&"P'-!B#,/P,B-M099%E.MRZK/8#9GO6XD.VG)@6;_Y]Q+;"7'982BGZ%:14;,_JB41VER]EJ?E_M_V".X%@X$F9'_Z<,B3F"1SMP]Z%:VWN>V+;!R_MP^53Y\0RM!2?);/HBCLG[.'".ON\1L(,^>==V9J('WDMG2?5,F_*;?>&89(T77MT>FIM^!T9UH=_MZOA;,O<0J@@KZ$U48;BHLNC_@2'*Z7*J_K58.XJ5-1YUPM"M"1?NUGB8PH]_M<23-_(2!"U*?N2"+N9><1!#B5"JP9(J(;4=X*)6RH]LW7%>O"G.$S[2JFY):_MT:U5%UBK.LPYB2XJ$',TZ.(U8LZ)=:I,S-EG-3HT=I7Y\Q>ZK2(A:O.+,L$%_MSC=YZT6)*^.*-N*7025X3PO*\J8[:UA'89ID<1R!,"_^@%$0\EUL$@&2D12+M1LTH1D,1F30)AHP&^)+ZUO>+S-QI*'K/A"@L,RS[SKNL8T0RM<783$P;AD6!MO:!S"6=N5(BFZUVRS^#*V<(NGAC\B7<]FF[\X*Z7S/V/X*[1*7'@>]%HB+C/0!)WE>AD:1&6O9Z')>R>(1G[DIQD%:4!$M?W'N'R8P=$$01_AF*>0+DG+5P_,:2_F(6[+:+N(A./(>X@4B:SJ(TM)J^8=G_MY+G(/3P<=7U!>^J@A9DN(',:?U;VSR?(S95$,#38W.W*'1V^"N9J5,02W>@5C_MT]"8*FILC*]EZQR;AO.H]+%Q_GH&]@ISL_V\$90/+K*L?'RJZ_-WH+;^UI>RM[@J[<=]J+2J*I&$:@"3#K@C>]$!*O_1P=R<-0DPP"4(5,ZI(W_8MU8Z;X=1_MS(^SX:QLKXSYAE0-7*IB+6<4+2*H>_TVJ^/%-T#K]_"01/<_+(M[']@W@:*R_M%=3$PI"M4Z6^J$73A.;0;ND.H[[O^M@V:^Y/^3MGDAN^[PUJGNNU&W*OS84I_M\$*?<#/DB3)'&08!@8&7NLS+*);=?$T1LFQO.M+;B.HM<:>C+K\/FP1K?C-F_M"@+%TS9-Z97V93*B:6W.)@=>;(:3*6%74@Z@Q4U5;^,]#(+?"7M"ZRFED>R6DCQF);)T'I\ALBBR^ZTH(>KZ\S3&G'515UFX>RXBNJZ&;;1B4B/PQ]CQ&0^7',_M/=.0A1''8BC#+HLBPC&2H'4YTE9UL71C=N6]*IMASP7U:@*F=PR:_8(-075_MQT"G&-:,>.:J8)TCM'3YJQF!3]2]FGM#3YT/>B1V9?5N6%N>KQ[E1XM3-[P._M(AL3%0U7HFY9Z5L:SCNMPJAJ*%(6!DB$MZO@891S%E._@HQ@!"G$"68212],U'RDKWQS',1>*2/[9\P2&)K7\"WXLA\JS_M3CDJ?:!=D%8-=SEC:PU+-?M[U)ZV8T2<&W:L."->5D[+C3F3K_6"(2NM1GM1_MPZT%RZ$MUQM$?0/TO?F?VPK?5'=U];%N\LOOX/-_M*'^6CLZ?5F;O8RW":K0(D%D.WZ!^D!6(3Y<>LD-*MYQ!UHQ(#!KPJ:S$]W]=M%DU>/)?/]8Y#P=9MV66O>/YO_(F'^J;Z4A;WM!K=;8O'UF'_I3$(2_D%'W!_MLP!D./.!3[.0$#_#,$K5FA-;Y5?*X%S2U'AD383Y%T;'\YW'EB?A>MWS7S<3_M+37>8_KEK/_;3XMF)0>))6#'_7@U$(PY@P#M-/ZVG<9."C[:*)Y'/&^R.L0"M>!LK,6&3UX7K5"P_^W&QBR6(ZD8LU_W?-_+!VDWD[T7>U-^^_][?%K($X8RZ_M$)_$^P!Z*_8)]2,P]BGON>Q%"FU/9FD9CU^8:#M=/OEEKKSCM-7/6Z9_0^SCT0>8E4RV.6AH/W%0EJM3U6_I6_M;C;<*(D&3.LP2Z#+$%I\/]7=R6[;<-_]-ZOX*TM4!9:J.U2H_E:($"Z_,VM_M!X,4R4:_:P5V&M1_7XXLRW(B420MR>XE#@Q*;]]0%"G.S&-*,1$TPM3W&2:4_M$"]CZB.UDK:TQ)\^L-MUSD_;I-?U>6JGGH&D=[-QW'.('1X.)]J_6VEW=;(>#"R<3M1OD+SF.JN&E9>,4)NB^XVQQ_2VA=B!_W]!1MXZL6H;TK/^9J8*Y%ZW2D!LQL_GX9"^XI4K6J*"P5^,:G85E+]AE0&\LI2X=MU+P270:D7VASF5SCH&0)L^KF>EENQ%WY9?50@++#S8I#JI>QL*7F'A//D0!A_M(6BI(SL\-X[%TVXH[E!1!0L+X+0BMX!A^>7K]YO684N;=VJ_\N*IX'_H$FG]_M8B>#:4#:3153=^/Y1#(-Z!UI9IJT=Q#F@NTUB.-\5M:I*9NJM_/RX5YL%DG(_MB8@SB;TPXQBT\#_3G._L\$B0^#F3W.CE6(LR\2BMMK_?@.;SDUAOWR+H_B1AM3GGSM7P4R$]LE+-Z7:4?P:,YP&[X[K@#YEL$J*@-.P9K"Q&J,=B[*4NY><%._M)6J(G5;ZJ??B^?2';B:1ZM*@T>MU85>.XALX7\:;PM_MUPPUS4-!Q1BC;)C)>)7]SP'F+M[O(=A1G]_7\API%G"&S-T];>)XS^/SOB!)_M(#,/T]CC460XRSS_ASX_>$R8&DXX4BZ4R"3TJFP[)%G-F6_SU_MH-FSYOR]('P!(Y2(3'QDP2S)%:K."%SD1#"_)#:Z;8:EVDIWLU,JST&018]"F3U._M5X4&'.W1T<\=OE,!>I_GS)8QH_G#;E0>?%#*_2O4'ANJ'E7C7_R[Q;$F?8#N_MJ&7I?5AGJ$P?H-U=G#YTD<-&;%42>44W@K=/EOJX7JM?2_5UM3TTJ8,RU:;P_MMX?J5+%/?\4Z+S:P)&A.5[]9/:Z+U:;(*PG*!8EE',-SPJNJG7(6X4RR&,LTM"U.6R=/LUA;X#%=N@,W62PG7Q9SK=\RH%AN++LV9&B!_/1U1:U_MV]444,4!CB6N6+Q#+1[J-6O/!#54=A*]E]6]%OOFE]7-;COPE8&(5=V8M[N;_MMKJ;;7>;"'6[A[J[*7!!Y8X,$@2+OA>0\)]^K6CG/-0JZKNDB7[E%?[6&I)[G-O_MOV#E$"GA%@6H_%"6SJ_O2'_F01!#;NRD7:XZ$DF!>\?P961$9@S_^C^^?CK[_M[@LNEM/Y[-_^PO^9_>4[G*5YGLX^_-M??GO_$[B__(]__Z=_^M?_^!__O#V_ME^]>S=/Y)YRMOGNYP+#"_-WOT]7'[U8?\;N_SQ?_.?T2OGMS%E9EOO@$\._K_M7WLY__QM,?WPSJ7Q?_$J4+3%D)/A8-2M_?OOL-C!>/0GC+)?^_M/OR+Y3YBX1&4$0B*!P_1<0$NFXQ6<,UE7#_T;#K[SW^I?\2PQ.^(O=ER_>V_M_>7C:07Y7[[__O???__GKW%Q]L_SQ8?O!6/R^ZM/_^7RXU\??/YWN?XT]]Y__MO_[7ZX\NIYL^2(_EW__/O_WR+GW$3P&FL^4JS%)]P7+Z+\OU#W^9I[!:2_U)MNKY[]!/U.[CZ&-0?_?WOY\YY5I_M_F&&7^FO3]_7?_[^Y9S@\"9\J,2N?WGU[3/^VU^6TT^?SZY_]G&!Y=_^DC[,

M0D+5*C.2U5?^GS>__/W-VS\0<$F067/["_W@\AGU;8=0@E]7.,MXP=_5.\[F MZ-V%9 ZC^VKU M0:?/3G2P*68A0"
:4#HXB*@5"*^4*<486BU'D7W[;7>IOJW1%XOTW7R1<4'F
MX^IU89$>:/96W.V(J.*ZT^VT/C_O!,H9/^@.$JB(Z/BQ]EJNOKVT_0,?SW_%'$Q MX:4XX7,!;3"!DE&
9PX!/6=8Z$MK\U%HN/_&G5"@^D7!41+LOOMO\<.T"F&V M^C5\P@DK.BNB%&2*9,EDB.!B,""+;WKH3"G3O*#A"DET@X6>*
MX19DPM:"?T?RQY?S\]EJ\>WE/.,$1>*I, 7<&0JY @H(%$:!<#QC=)4UW0 8 M6XG8"2>F=YRTDW,7L'D?
OOZ<27S3,KT(3B\M8= QE"PR!'2$?V<08BZT+6K-
MLS*!%L%QH<;6U^\$%=L[5%K(M@N0O,B95+"_(L">N23[#S#1%*)CG-0R!QX MI0GNVENC&/&"J@% -KQZ)W"XWL%QK$Q[
L9+^O+UXOW\]]DDEVKI5(L:BRE M+(/@I0&=,)HDDN3LN).51UZ\$RC\,P'%@?+L"1+KG?'UXLUB_F4Z2^1/21=M
ME"224LBS1L4@"A])0K*:0JM==NUP<>_MNQUEL6>"CF-$VQ-$WLR7JW#V_TT_ MKSVG[.JU@+:0E%6@1 [@.
O@A=C<0Z,CBJU7NQ MP+"F6RIC8R:2&6$;E"\(7L8$TNDDC!72)GL4'&Z_;3< ='S&>;#H1E9YO1$[M>_-
Q/KLZ@#'!9R8T UM"J :M &US$ERB.%QS7ECB1ZG]_AMW4WW')YE'B7!D
M];_#=+X@Z'(1WT]79Q0^2VDC"J(]!T;0C06"BP(DF2N+JASM/=Y_XV[J[_@(M\R@1CJS^]XM0LP[>??L4YV<3,E'(M52
Z#PH&S0%/S4T]EFZI&U6MARE^SNO MVTWQ'9]:'BZ\3A;]CU_3QS#[@.0C5BUB]#)'VJ0L&2UF%'A/,;#-)IG +!/A
M.+N_Z:V[8:#C$\FC1=E%./#R?%'%=7$!5R%-.CA?3J(IRAO!B9+R61^+ ^ M0'*[#M[;M!H_L3R
:B[0(B/_H:22.Z1=\%5;ADJT)^3F6>>O M!D?!C=8&0B&.L'"%V?@@5)M;C4UOWPTBW9]#-A!M%Q"IM[B+EV&%'^:+;Q-%
ML8_AQD%VBLBW% A1I!OKA;X/LFBM(S9 QIV7[@:([L\@#Q=D%SAX]RF/0);$(91+96.=D !W=>NE0"5/>GC8<+L@L<
M_/@)%Q]HR_OK8O[[ZN/+^:?/8?9MDA@*R3@#F3V)9"T.18NP"!$3XIYK%,4__^>XCR6WY^GQ5_9K9#W1!%W)528,(YF\
M' *%TQ18VX+.&"5B\+X!*+;1L!M(.CZ=;"SF3O)PW^!B.L_SC)YS#B)C!EF MD@<6D5"?;#UVB?
6R12L2&F.J'.=K;GSM;M#H^.3R>&'V84*(A44X^WF6\>O_ MC=\F66@L3CM0)GCZ S7X4"]C>''1:*9D.>[B:N-K=T-
#Q\>9QPMS[-O+B\#Y MI^DRA;/_A6%QA6C+1"XR*-",:U 8+810/2.3G(HF6&>/.]I\[,V[8:+CX\TF M(NUDR[AAXB?
ZR7+B,2B1C("B+2-D6P\^TA^9YY(T3SRJXU#QR(MW T7'!YLM M!-H5)B[VOPLFF.+&9Y;!VGIVC]E"9-
I24&5%X#)GGHZKX'CTU;OAHN/3S#9" M'1D9+XB#0.;B+'R8,(Q"^4PT^W4!M)7@HF3 3(F^8(@F'5?Q=^=UNR&@X^/+
MPX773.O_^OT#X?U"/SBT+'NVG)]-)\OX4,(GR>U..,37K_P!E*\&"O(!''!GR)F4QH#+L8!4Q<:H
MT2%NJXLJ81G7FK]\S\5RPK/5\NHG-^OJ"5(.M0Y7CWV+7W!VCC_1^B$9KQ_Y M]^GJX\OSY8I>M_CQ:SH[KV'UB^42Z?
_S^_!UXG*B8#HA6$6!E1*"O.B8)%#D M;9/)*6NYK9;C$.X/('.<>O.6R+DR1J?2U8B;U16++^?+U>ORU_D\+U_,\CM<
M?)DF7+Z;G^6)K(Z8]AF8%+6"CF(WDI>&8#QGW+.HY#9?YA#4/4[-.$7L0X*K MD>0[P-!?%_/E\LUB7J:KB?0VRN
MQ)K;JD$Y+^BKF,"(8'(QJ(S?=NAZV)ZVA:!Q2N&'W;U:R;\#&_,.S\[JG27. MR/\\
(Y9>Y$_3V;K@NV:^7''%F2!Q,096ATR[KPO@K*N5F444QXS.?EN5TB&H MVHVR<6KLAX37 !H9$6"C F<\
<92I9MMY!!V1GI!X&PUK&/I3?@6=XS>+E.0Z!HN9ZI.?(G76> M)=!));TMG/QS##T@9J87"\/@[3N@=V-!?<74K)&*R
M6,YM@B35.G6*@0LZ0.).>>Z8=JGU7> = D;JMS D3@X7< >6Y<>PF)%A7+[! MQ3HU^]7T['R%^5HPD2LNG4"
(0@50SF6(Y"0 E]H3@]PGU]IG>X*DD5HV#(F@ MEDKHP.+<9^>'L)RFB748.18%P2A;VU0)"(ESJ&XG%T$:J5K?V&PD9-
P\@Z:J M?@)&^\N]0_!<"FA"HD#MLP=55.UP41CX)$7ML8J>12V%#Z]"!QWVQP6*P<"2U=9.PH?EE3Y-UTC-Q(9-
,6VLCN=59U&[&BSP(\Z6 MTR]XZP3K#C/'%5T\]HH!*S!VXJI1.<;U>U^7BS>]F.4-[[\&JT 51"1TLG4[M:\43A)(-"
I:G&O80]HV4^"@]+O]2&Q[&)M8D2@$AX+H:G,E\AI8O9(3M&*+ M"CGQUGOK 8>Q0YFL(=&Q_8QV'[GWL2W>%PKQ\
[J\#U^0A9-U3BZE!"74T1'> M(C@6'808LK=91J5$^UWQ*;+&=VBRO>+NILZ><+#$M\ MA1=_7W/,??
92*@L8A*^]2(GCJ#6H5 0Z%Q*FUN4SV[;*P[Q>6+Q71)__2*OIU]N)#+E90FSA''
M;#U,H39=EM%#Y":"X4'[$#!P;'VC,10OXV+^U)C<<4F<%" =+Y3*\EM,9V&Y M0!YE]B+_[_.+M,6:G//B]3'+
M[V_$\''"134KTF1MC0#I!.Q$OZY)3"\G[:%$7@[QUBN0PG(SCU \&N#UM,Q2/)'E< MA[R+D\Y&^NP
OE0$.9'<"@R!N,@Z@%*T$H/2'D04]%\R)KO6M6Y;R!D7=IW< M"NVEDV;P&C-QXF)9?<35-(6S$V11W'W?Z5,JMQ
[4GZ%2\%*XQC4QNF@ A?@ M"WFYM"''0,8N,M/Z&/;$^16MC_+7$4'PV:G:>KY06*!$5. R100BLVQT#L;' M;6UX>[CF&?
V&9TBD#GV=LR\&^L]R^R&>C M=!UK+6OCV5N1I3*"?!QR0;@G)T>1=P*UVQ8$K\G;C9H69.0MX2X%W=BH-DBX
M;YB.$'<'IZT7U%_.Y+C)+R9:B^(!2!*,F B2#*-(8%!8;CC]$50?4FTD9%SH M'*/9C2 Y1LP=8*5FA]
<=GO[Z\;_.IU_"V?H(:_4R+!;?:&/]?\/9.4YH0V$Z MZ 0Y:D5K23D*[FV
(D,RB*8PL6T&RD%1Z2Z$]8"EHP!P/PIMKHT.('9];WJ9 M5'#CPKW"N+KY[FJ@L:?UF'DBB<7:EV
DZH!"6BMERJPG+SS6T_$L>]?VP/ MNR$UU , 4YJ?TSIZBPEI31&?O^+JBA>*$E*TG):0*TB\) P<(JBTD9_21;
[0()@ZE0\8$8=[J>E+AP3O4 MD NK7:I8M*RU4W7[_>,V*F^/DH-EVP$NWBSPRM>>
[C9X>XJ:I/^V=D9Y77ZC[;6*:Q(%PU2$ $G>>ET-BE9#,""R92XH MY[UMW4M@*T$]A$]-(-1.[!U@J,[/^YW"P
F3N2;C.$@JY^I]K;L!2% JY6RS MT+YYM XO0>X;?L.)9,PZ M6^=0LYK&&FU-)34!R&4+WBCEG6@=93].30^Q4A/X-
!)X!]"Y=1Q0!Q9=Z/;U,\-9_;0)&0<:HF0?(Y,_'F<4V>+@B+N<@43>OF8KO2UDU; MJ&'RO
9140>6YQ9?]\\ZLX]*,F(B"AF)TGK 6M*8O:9&$%Q7_#@:VK7+!A MM/\XQ(Y110>@NKK*?
Q.^U308JR/OB!EM].3L\Z)H4T8)GCD'.:;2M4E%A-;' M-YLIZ09,1^GYD?R)
(X3>!W06Y_36!S*:1!^45DX#SX*L=ZPGF9)EB@&2P:!+ MX&:])O-Q(R[V0T'H :B[P=#MV;
(73%"WF#.FKMZG>)!I51JG74 Z1)9YQ2S M9*V[NSU*S+CW#\-BZ$C1=X"A.IJP2N/OT]7'E^?+%;&SN)+9M^OL1NZ5"*SV
MMV*">)(&?&(UN$R%J+BV'R^PRYTC7LM,1"RFBND Y#=079YP$T()5J9'6A. MN[:J7:EH-V?@+:.]6[&01>M)D-
LI&O=68R!@-51"!Y#:L'L'%4LHV@)Z7@]# M6.U^DQ)H8XVG_1N-:'WO?J#'--
C]QD#0.5+8'9P\/0+^6R>IJF3&)2^03*A= M\5*$&)V!Y!/GVJ(T7? 7C6 M%]JW[?#-
,HA"Y5KJ!C;5['.F.42O%6AIZU%8F%B=G13207'2U*)P [ZF8"6.2@AN'/.M#])OO7[<3*537^3M)>P.XL&7 M\T^?II?
-26LWIUD-07"6*BN$Z(A.,L"B'(6V/I,)-1:R#-F:Z'/[:=U;R!DW M@>DD.&JEC [LSQ8))6]""8&!<)Z#,ME
R*8>X6;OG<[(=/L^3$=EL0R6"'42 M5#5210>@>G/UWC5+ZXXGMP?ENA)H@T8*6:,M=9Z#I>!5&#"*R1CJ)-/FV73;
M*1J[%58;03\L@VVEA X@]?)F/.X#5@Q+4=3YS@FY!Z5J$*H* RY8;2,HL]6M M\Z&VD#-
VOMT@8&HE_@Z0]"+G]3%&.*LCE7^>O0R?I^2EW>*08@BCA(T&=.'D M&W+!B2-O01KB)UO/7&:MSP2>I&KL1LZ#X*JQ,CJ
UUNLQV68?PR+&:V.Y8N4 MSC^=G]7^FJ^P3--T-3$Q!&*I +F)&I1S'GP=QJ4E%UDKCM:U]M>?IFK<@\V! MX-58&1W
ZQ8'N[3.>?0YE MUP944PAD)+*/C:8;_6L[OL J V.HILK,ZMZZ<>4C'NT>= 6#I2
MV!I<7CT5/D^BY9@"11_.U*HPAPFB4;3'DSU6L0B>1&N'ZRF:=HL)V5!8.O5Y MZ/%ZZ7]LQIW^YDT'9&QY\I
]VD\Z].+Q\BVG(S,\TY:5:NEXR 3!4-.U6& , M17:2MTZ'/$7#]KN-4^\W6'WQJ4XS^@?
FE_/E=3=,%Y/C)M5[)TM_V"H)3@;? M1!F<-84\RM;3*_:GI@Z,ZC:.O"^GN#P[&S^>[41]/U+(FZZJI[F M=>.
[$+WU4@,3N&X[Q$C&GD%")7P0&J5KG>YP!+ECGZ6-"]5FBNP L[>9>34_ MCZMR?O:PL?
59(HLL77265F=7KN=HK&S;4\,GX/IYN3PG3@(FY[QT@#Y;4(QQ"%[4(=;2 M%>6CD-CZTN-Q:L9-O!P%5 >HH5-
W4ZHB8H[69<&8B@4VDL&P45!/%G/K:EM M?5O?V3Y!TKC9EZ- ZU"%=("O6]DSCV[PQ99BDTPD'T/BRF2-@]4>;&+.I<2\
M2\W' 3Y-ULB7;H,#K;5F#@;;%US$>7NX/=CJG0LE9YW %4TKIY SZ9,4@((9 MCPYY:AZ+;B%G-
W@]WZN/5IKHRX;=V>J)^R1SX(F538XI\"D]KX*.;"L-=/- M[QH?(64W,#W?

RXD6&N@12+X5FNFB&J\%R3:YEN9R7.@0XI[/Y[\MCTTPV/[1QALD.E+=/+KE^ MT37.@E9\G?
$=="GU3K[6\29+;I!5,D@136D](V0;/<>:H3HRE9[Y9C'_,B7) M_?#MMV4MAK_N)O,BK:9?+@Z(KR1@&/HBO*255NLJF*.
(]-7%.M:X1FBMJVW MNOVI[":9Y#@$W;=4 ZNK@WV1.+S)0Y[(Z UGV8*6]9)!! ,NH(.2L&C4CG[<
M.@'S#@'CPFAH;3\$UX&B[P W+_+_/K\<@0=^_A;3G-R$]43H&Y;>S_>5IE88 M66;Q8B*)I#,U?D9G,EA*N@
M>X7T9HK-*AL39W40SEH2AU"@T% DEFL#+N95SE$DGUI;SMOO'WG&:V\ .U@U M'<#JKV$ZJQ)[/7LU77Z^#/M?
EXO!/7RBL00;N28?VI$WS9T#%W.!HJTK.G,= M;>LB^^T4C3PFMC?H-53?_F#T%V" MQHE0:Y^2
"^#!2.LLH9QG5CK,X+M%(T\=[8W3#94WX@&LI[)37[\FG!9J^1> MQR4]=H5U&/B,?N';RX]A\0&7$X
M]NWVJI%GV/:"L@'T,C;*?@K3Q?HV^$;(KV]@"\XJUW&>"K>U'-R MS7B\."P/PA?R8$.FT$T+Z>1.8-
OUC2./P>T*+UC+AZRETD%^F&*K3W#PR@= M>19O+Q@^H;J/]20;!S8UW[[Z(3?,H#<\%DZ;P[J)M9$2(GD?8(J,SCC'E6Z=
M!K6%G)%G__8&T%:*ZP*%),1%G1CQ"B_^_GGVH,<_ULN D*32#GS6]> @9_ 6 M(S#CD#N.-F-
K/.Y$V,ASB'M#9GME=HK1AU6?DQAK.R+RHEF0KH[H%>!<45#0 M*RN]=ZA:5T+N0M?(J://*)'ZK*?4Z&'K&V=03?
1W%'8@PF*,[0.#86!+JG: MZINV#1*!3:+U<,D]21PY,?49@+>=ACL(M!ZR=SMJ=(A2:)8A6ZU!E43,>%8@ M%!
<2.E$L']X'V#?T'R[1]1F \U#M]6Q2*?3['*;YRJ^YO"NM!VVUG^'E":Y- M&3''
JX.LE:)G)M0VY&0=Y[KG#.CDQPR/9)]4W MSUHHR%CJ)*)U)HG:#[)_G,JFM%KOT AX.>I\(9I0I
MR@#)S==Q(A:\XDC&#ZXV$+8;0O_X-U;#:;-+B%[Y+V^17/)SG @? MBE>UPX2T)+;H[=;L!]<]S(36O7ON)E'80
M(9AHS(XYGH G42?_:JR7&PA%FZ15R=[Y\:K3QLT-/7TYT1!*ZV!NP".<7=P# M;Q:D9,YHZ0-$D\FS]JAKMI>
5(1BNG*,K6?K[$]E-VV-3U(TV4I='6SLY"9? M;D>7Z5ZW4Q),#%LKYTBK(XESK^J%]Z!NW MFFAL4+927/?
1]0:)3@+Y+$5Q#MZLBU:L@UB8 %\BX\G5LM+6R-R=NG'KCTZ, MRX&4UF]T?
=GZ:_/AF4N%>Z0E)PW]P5DF07)6"UK0"$0E7>MVCOM3V+[\Q(O%
(LP^K$7]\RR=G=]'7[\BHLTI4_6@]A$'G/R40.+FH'*]=+5!@1TRG*9C:%_W:E2;B "NPS3 MFX%JWIF&.PJ9?
IH0WN+G\T7Z2"R3L;@U\CQ$0;L2T^3/) GDZR2(R04HJA01 M ^TIK/79^M-
4=1FZMP;J0$KJ*C2J)7Y5B+.\O,U/3#;D>JF:G"0G2<8",?L"
MW%ET#C,:.U1\OIFB+F/RH0'70#G=!SP;9$@NNG:*$5M)JD"^:F5*2L25GU7SB M[P!L=#,UL&W(-+;"._
VCV+V#2ZF_PPZ^72%[\MU@M1DR\NC+9"@Y0UL55+ M#=Z+
BAR=B9RPUCK25NGY;";685M5TK',.E@XSC.8K@4%*\60_%"\:FO*UD M5!Z\=#5M(AKO0E8A=&7+NQFJV!5N]U#BD;C]<7;
[G&+XR1KSBW/#C_,STNRR M,KWZ=I>5(R9L;'SX4),VGN:D_<2-];G"G3=>HU7QY#!) \)GLG6E<'!&>L*, M,3)JE4MH??
RX$V''=^N^?,G[=:V+X=9:8-AN^V!Y=Q Y75-_(9&7\T^?Y[-J4U]\G2XGC$>63+"0$#W) M)3#PP0;
(6>HBN$E:M^Z[O96@3K!T@*8? \W18N\ 0_=X>#7_%*:SBOQ%.%9G M[P7,H)3/$%T.$))*AL*?
PIIC9R,AG6#F>$7?/_8Y6NH=0.?6Z?_?\%/$Q20% M%X2H0]A#BK2JT-9NH@X,N9*(!KGW
XYLO2!B7,@T4.SC$^D.D'(','F1\[K3 M>SA[$Z;YY]EE"=HE,RPKEJ0SP'E=13Y&<"D5L)%"#A&]2XHKD@?G'L)A-
9Q^6EUQPYH5VWH!V=C,EX]X'MP=/ WEW@)H7*9U_.C^K\>RZ&+9*B$)9G"VG7_"B4/>2,:N-XY[L M*0NL-
AOT^6+0F3(H)/F%-NG6"08[$S?N!=@ AFD0K70 MVNO\1=:.C_3E\M)
MT47)FO\52R"Z,28(O.A:XTIKQL=02NLKV(=4=%+2V3#^.DS '4#DX474P_.- MM_.SLY_FB]_#
(D\\)AVJL^=RK7&)M$.3G!)8)J(6*CC1_,YR3Q(["=0.1,23 M313:J:<#]#TV-
KU8BSZ1R+*H+4I1D#6/PH"/27D,,076NC#]J,'U0Z%I4/7O M.,)^'UUTB_6"A5?G"XJW+]A8SW&Z M-1=V>5U:,C&
(Z#+M#3QGBK\X>3J1XB'(B8<4.!.6M8Y7]R9RW+CUY,9W,/WU M M";8I,[7%XLP DZ9100'F*RXJ(:WY=@(6:92[+>>-
NZW?;35(V;$7ER"+;3 M4#]U&ML86R^PB>1<%E,L^% /);VDT(_'"!ZURC%);LH@MG ;4>/F*?8"0/WU
MTP_N[C1X?.0N9;VPXGVGY2V2@)?3%;[#Q9=IP@M9U!Z1'V;KIUR(!16S0=5B M?%7S[G(0=2X(!Z=-
,"9*BO=:!TA#\S1NEN,I4=\5.CIP$&X* \/RXX19Z[FF MQ6Y]'2Z6O**UCQJ*R,YS5Z1*K;/*[Q P[JS"4^+P<+GW8VGO-
,V=T)9 RK7D M%!>T%?T4NB6IP D>C2.G.836N_D= L:=)GA*[!PN]PX,SF,WA[_-2&YGTW]@
M_@^2&7DBMP9U8JHM[FHMZH(L\.S#;5=EW=HR(OGE<]Q=IR3SE9E%=2M-[3!V-FY)&&/2R,
MTP*B'V=CFSR(6YQ^F+T\)_)FZ=O[12"??=T(]<4LK[\[NR>G:V$X9ESM^P=) M14[N>LS@I-
<@;$HZ!AU5;'V#.@PG(P]4[&5IG @*'>P8C]U#&Y2V!,ZAR-KB M-U ZA/%$B:+R)Q(+C9/SSTJ)^ /<0O60AE-
*R6;I@0H49AE/M86:+1C)$Z2 MX<% +"5+S247I?4\FO-3 H8;73AR3L ^*O@#E-R^6>OD(Z[(PSF[RU?C^MN[
M;SIE,>X6'D]:F544NABZH.](N$GR5L249DX23*KRDUN5Y [#121[[8&@>6_/- MP-
]TLW]W_NE36'RCK8\"LO59Q6QU.5VY&FW> M#U]SC57''?%;6!C*,U;?
DDH'3'@%CTLAL5M&T3MEYG)JCXXUMDGU/POSAK#8K M-=HX7Z(S6RJ+2AII29KP.@DA$O&HV\]O&
WRL;=JANAY$$$TEXI?1JI7_'W M-XOYC#A,>#%,Z@![]/ A#4S/$Y0ULC*O%Q_";/J/-74WD] M6L/9]7YZ
[5$#Q8R9#!)9L(!H\!49PZV:*>S,8;GUHNS">''WX#_?FMYW-%6 MG<>U[E"X7 _%OO[,E$@A2-
U:1,IBB)8ED$XQ4*QVPQ$N@"ZI8(S!\MS^XOQX MNL>U>Z?'[<-;^!/KOD\#^E.8+M:93W_#L#Q?'&Y$-
S^H@2'=@<)&QO3Z3:^F MRW0VKR^[P1IZ[8T2&F*H>1I&45RK@@!,A2=T/0/0NJ1E&SW'FKY-S[[!=8C%
M>1]JZVX10*$*X$HI$&W(AOZ)*VQ]K+*5H'&-53-2@TNG87T#<>,:
MIX:8V=1EMKUZ^C15=6G/'"*T''FG=_O4&YN=1:AH9FJOG?[M1YJV^Q-:;0)ZL M1AWJM&$'L0X+20JE\>3CNMS:T=E"SO&-
/QX\^@:V+O&4$!/8.BA4:4G+) M: M(5%[)PKW&5OGUFVC9^PF#&TP\;"W1R,-]&DX?JG9! ?9C,O?;& N-M'0R%)<
M//IF:BIG2;OB(=;#R7K_%3+D;Y-2: 4WC:?0G>7@F/MP2]U>C"^_HR+4(/Z MBX??X)% ITQ!#T(@!Z6D \>B Q59B
I3-LT[LFRG:%R;<(3V[YN!AH+OTQ#\ M=3[/OT_/#DIWN?[=!L9@,QV-S,'5PU_48&@59A^F\0Q?D&9O^X4WC<+)'4PU
M>"U!DW5/N$[B-X#,!YY+PM"\U'(O H\U)EI8MY(QK1H9#S7TKTTHC?9J8^\([+%*Y]XPFX
UUA4]IJJ$^3]/=06T6MOKV.9],/ZV<=9)4V M/:;!87J2ND:VZ'F>'YB5N>5J3PH+=:&UUEW3]NG4^
MP^WW;=CH4F)>,U<@ODR1O8J%O&2E(16G&3G>Y(HWGT>Y#X$MB@F>?-G-RF"R MSL#C'+3UB19>B1
]+4&7C"K,H@DO_.#K\DW/ZB!'=N!PD8F;..;" ;_@?G#G:'S&T!7MR\LUH V.H-*
MY%0'DTV=5N=4,$$9V;P5TN'D'MT&:O]7WRR:0GY%$,5#MEAHT60&3ME0V]"8 M&$7!$G%\475B^DZ%R0<-ITZEX3[-
XEO\@K-SO-6N[1";N.$I#0SB4[0ULH:7 MKZDM0NH^6!'U]^GJX\OSY6K^"1?7*//>FY1E!..* L6-!.>T <=E*"HK$53K
MT14[DG;\,*JMK[EUF40KJ0B">M**1(!@V! MH8CUZ7N_TXUY.H M7LZ7J^5-Q\[+#0.WIJ0S)U41'%*R'%1P!!+AZ-
L0$\HL,L?6 YF/H[C)((:[M-:ZS_* %_^TT82W0E^1!,D-([LLIT.@1NG M*PRES(YMXDU?ZC>+^8=%^'2P,7SXI%96\
D:&YF_>V7J16G+HU103 HUS85" M %0,?'%8I'"DX]:Q5MNN']+\'^=KW!3T)$"_;9,#"'+6"OB<$ +/"G@REM9/
M*3&W'\&W(W$]C"P^"!-/MQIJH8X^+NA*=HWO]XDY^$1:IJE:%\^ M?].U-+G(H81 ./$4SW/:+WPR&A@7M@YUY+KYEK^%G
:S&>_^@:V-3U8:)10 M"PEH<1A:%Q$MN&B=0QN#=ZT3,K?1,W:*=AM,;!B_V$8#?1J.O^/TPT?R]%Y\ MP47X@)^%7B4
MF)%]D!8XN&]'V@B^3R-RV;AY3BOT6Q7G3]/%04<\&Y 3H@;D2?I:69"O!!2"
MYW06%C6<_6UVOCP/9^LAP#=7'9BCBYP#=[O><&2$J&A?RM&'Z$OV4;0N(-^%
MKD,M2U7CY+:$UZ>;817HL?//'V\!/2M9(D9#^RY3H$R*Q#A#8,+D$)P0W)FG M(++SVT8V(:V!<&5.AI%VGV;EA_/E=
(;+Y.0^>6UH!DM6Z*0KCP2GMH0X=3(%)R73K3*7=*!O7-@V(IOM.SP"* MZM-403N/2_ROW

;0#6_N$@S77G9+F[[UJ[Y=_'EKG\5,R\)*"*)RSY V=9<%1.^L M9#XIU?S >%\:NVTYNP]R]NBG>+RB^C1M&SL30@_Q[#
[MNUQ0_51W$3M2;HI M"BY)_05B$!$45Y:V-%WAYIB5103&6M?"#=E-\5WZB/F\#FR[?LM%T2<%';], M0YR>K7-S+R6?
7_>U0[QM6/\#V$YO=#"[:0:PF50F:(1AJ!T*N!K798/DG-C MLW3-1[$V9:#G;HU[X.Z!ES::DOLT?T_V2#S<%.[ZZ%-
T>AS01#[1N\\EBRH* M#3R$ *HB-C)9^XM:XZ,QR=G69US#]'M<'^C6U+0YK#[N==D@]!92;QQFB2SY6K'W^&4QY2)\
4&1/?%K X3 '4AKG7,V*)]; M5U8<2_.XHWL& .THRNP*O#=3B2Y&$3V^/FM#-A?005;!@+**UF?2$;S@)';. M$+'U0<
!9.X$T<&FC)X$HL.HK -4OKUDZV8PUN.L>2T9&L]!F+K@K&+@I,U0
M4@R!A8(26Q^4[T'>3B@<;#KI@"@<2D4=H.\6(R\O!ZIC_N';5=79>3C[6UC5 M0>#;J[#">
[P*;Z31/D$VO+:L#@Y("A5Y; EKX,&U:3V6 M:L!.Y#?NP/5++L;=^LX\P:+!!G5NBL2A^@+@R!1"L5-5L(U
M9WIO,KOJ=+X/3G;I=-Y217U:EJO&JH?;EGM/:-@*?4#[LE_V2 R(D53(%DA M-7L1P'F/H"V+,GLG$VL]^?
>D78EO=M)KT=^,^C"F1",=%.=I\[045WH=.*2H M@@Y&9R::3P!^G)SGU(5X']0\[MLU)+^<2\K3P_K
MD^N\STU\0Y/^P_?QQQ\VS#B! 7?SG5K$>Q3!!10 &YEJ3]$,3H0,&ET.04B?
MFE=FG&*HP(WEO]?'_CJ0OG^=SPOGVFE0LC;1J<,)G5$1;,XQ4#B=,A\N-V,W M&I_!P(%]T/3X9CV
ROJT7!N;\AYNN[8];JC&W0/:KV-:)7/TV4HG@<5(0*PG M8]&C(FP8%9
59WSK.9,CM.]>9^"]/E\MZT@(>L=/\\7O89&O[C[ON[;5YT!E M%3"-C#;XG, 'HT!+QQS+.CP85_M(%N3.KWR^0;;W
="=A,AAU-%1I/&Z;)3K MS[-WI-EU5<@ZW JS- UG;^87E=+7&>\W[!/#FA?001=!'K S')R/'I*2@8N,
MW/'ASO.:L#!NO'%J=/> @PZ6P>M2*+RJ%S,;CP_0,Y?6,Y%XG63/0P''@P.O M6="IU+30UETKMU,T;GKD6"!MJ*4.,/?
$DKM*S7MDZ>&BS!>?Z)M; K)F;9< M@'3U^,'3+N09.F J,R>S,46UOM)MSL2X*9>=FM^!L=!G'/5P@L;A0=2CSQID
MTL> X=.NLQI,(0:=2Y RBMH^F!$8K8'B>=+ZU#I]/,^?B29+F;A[.H5 MRQ^^_15KU^[/'Z?IQ0+#_1U"9Q^$21I2K)-
;@U+@&-86&MIA+HD5T]I 'D'N M\Y@*L@_2MDP%&5277>WV/\Y6T]6WOT\S6?BUW;X8.[!-$I=G9W4G>H>++].$
MR]N"T,7E &C:!L/9XKB8,5*@FCO!>Z^:B'H9@9-_@Z!>3[P$$'"^*R+TBM MQT/R>.H5U]G9_/?JQ?
PT7[PD@J:KZO/43:+ #G+ZZ?.VE1'_X]J)>8'Q8.^$;YR=;YU0=J5!$ M]J"TEQ""TI
Q)%NR4@7;'U+O1>*X(=8ID#FDSOH,EK:.\#H\;MKEL4,/(!OR M,NJX(5#"FL"=](#6$6Q*$K5[9P+T6FH>G0M)M%
[JXXXANW9>;L95W:9BK2G:7G2XB=QFQ\B7S_=;83?T5@^E^EF/*ML' MI8][JR=1>
?;_2:.+T7ZHM[[W>:XWGEP6_/,6<.X)Q>_\ PJJEKUG6HU@8\VDK?O9>N*EJ,('ODZK0>0#ZWF/C%] MZ^IDO<"W;?
$"_/!C>[;/6,)JV_>ETN[ZS^L9;/='ZAE%N5[49)D:V%PC6Q[UF! M8+T&FXJV23"9\W
]!QHS,VZKE"X6PYCP.'B=?,%%G)]X"N 1A09;'C?41, ! MST<>G0<7R XJAAF2TA*48 9"0@;)9E70%I6>S5S
F_5Q3[J_GG^*N+AT_^^[M\]%R)/<=H7A"O(J\=A8QDJ+:J%7Q&CT;KB1P#T([G2>X#WX>-VA#*:S/(]Y-
M0[<.MU1;GC;0@+ ![=2>@YU0\:0=A2PQ.P9*1P:NSC;PUF?NDQ0IM6XZ>,B8 ML.''$KS"59B>M9M+?Z228'4!KO(
LE:DL<,JL9"S"MG%/":N2M]\%F MQ'<\D6 ?O-W?'\=1;@>!\#7C/WR[_O(_IN0:+-+';[_@%SQ[\76ZG(1B"G-) M I(#
$IZ [%@@"@=#ZG&-+9UB->Q'8"4X;(N0Q$#975T]8_'GV M^7RU7$N,_PUKZ#21C"4O50*DF(B$)A""B1%XD,(7B5SEU@D-
6\CI!&?M0? 8 MW([42*?@$I>LE,!,,A;K(2:)R$4.T10!6C"7LQ:NI-;-&+:0,^Z]]KC@.D0C
MG8)+7K)"+K+P0FEPUEABI00(+!?@3)3@H_6\^!. 2^X!KL'ND\<%UR$:Z0E< M/WR[);:?%NL)O.G;VJ=()2F&F(%
[6QNAU'ZL+ KB4&@T:*W$UKGG.Y#5B27K M)6QHHKV> +F)HT8B:QD4+JX6$ST40YF]1XGJQ._K144
M=@@.CM%+IU!;7J_82WNNA8JHM",AE6K/R0EU&'2U[*4(G3/+K6LG=Z&K$["U M L,ND>@QFND!;5=UZS<%
[NM%B9PB'2L,.2(VD'2(XK8(P4]7(JLN-;M7;C- MI'3BOHV[HS;04@=@>[\(LR6]^:9DDD1TJW?"
[:9G],CEYG^Z7,G!&V&95V#K MB&#%> ?N %;BK,Y6ZYSZUN@EO2/;"I; &K>B78[0/;+^>+S?!%6^,.\,G\U
MWO)R3XB<2<-2O4"JLBP>(7H50:IL/9D%9YM7(6XE:%SLC8>3^5!*ZP"!O[U[MOUAO1]\><,(B,T8:BO:+D.2(H 2?
F(>DBQOBIL)\ZPR+QZD9-T#N!GN-U-4! M\-:.T0\A_2<^7$,R.,.9P+J)U#--2;&=Y.0;2[,>/ZTB:WW*O(6<<3W);J#7
M2F$=8._=_ LNWU$T8UTU0'J;LH"-_.T^;>7*TR@5I*\6# VN+K"%/@8-9ABG4.536I>#WH, MO>,&*ZTP\Z#7VHD4V
%8;US='Z9G9P\,?D99;- ">&U)K.IL6)^U RFL+T$G MI63KHOSM%(W=Z>]4R'@T(CE:31V KL6.\\MTAC^O\--RDC3WR-
V6#7+2T8&+?>LH_=?SQ$=+ <+@=6/9F+SHHHGB>KD.O'T@-D4L3?37@=P_-M\AM_^%A;_B:N?
MSF=Y^6+U,BP6WTAJ:P8G7%-\28L=*,8D=I)!VL-" ML3$ YL-IHP-PO?@2IF=UN_AIOGA'[M&-*W/WP&'"0I&>_B,?
IO!Z54^[2=(9 M"DI;?#"T7IN;O!UI&_>4?%BX#:*?$7&WGDGT$A>K:9G29]9C S[782P;!#@)
MOHZ#=@BR9CPI6CH08DB@R8.)SJKXH$OA(P.B=GSAN&?>PP!I,(%W8+PVAW>; M&,LQ&!-C
"X2^<(9%3@3Z[R5DFR*QL71ZR,W'CGC8.:[Z&T5 'T"-S7$_E M7Y+[6A/FKOH!KZ6YB3U="J)*2,$8+2_%+ >?
+7V5G$3MG5*\>8K8?B2.&_8. M"\,AM=4!&&^%6ELE6!M/&V4@E3KFAP=;ITS1.HM9QB"#L=@ZM6$WRIY_'4"; MT'4 /7:
SD<6W_)ZCNZF%7UV+*H.RSVG)=HG9M MX3:_Y^)V(-'2=UXZ8+RR+8!^"E<>;O[52 M2P][^R.I\]RS'H:Z6P#K"WI73'
M)4R%BSKU$S71;P0YTY)!88X%RX36JG6]RY&55L^CW.48Y#525P? NU,X<163(:D.TT#I%ZP]9J[(79EK6JNRCP_[
6IFXZL>8@NY4#N;Q.@KQDQ1OA4[TA MU[$V.JLC3IVE*(?D4Z21*@C?NK'^%G+&C47'LV>-%-0!UNX7"5QR$6QPUI,G
MD;- "I2$EO[!I^:[ZRZ$]9(:T!P8NQV/'*&E#J"W:V'41>;B M:N+JKA%= *%VTBK>'2O)''GB3VMNI> 'J@_CHPGK_,
M9Q_>X^+3K0S<24C%E:Q5O7LQ%,[K>K%<)'$4M+!&)*Y:9Z)L(&/\^SA>KRE6MH=G
H"W!)BDL6)D+67*D]8(E0^8H'$LVVOL= M+A^KY]W[W>-6MPV/JU.HY'##-5^%L]%*-7XE-Y?>\06'+,-X\))3E%ALY^PT
MY1,V19\=19/#^43+@JI7T(PL M3W'>0F2<_$GGXT5;:YD"=]D;463K>. Q6GHY)6FF]0D .N@42Y=I6EZ;XB-Y M$#YI
CEV'VM]::J0#@/T\ MHV=1 /06$Q(S53HV.>&P!'"TPD"1 8<0L@ FC&&:9VE-Z^&F#ZGHT?$^4,GS MIA+O #-
WCVWO'\&\.#N;_UYM.GW_DHB;DEU?+B?">&%JJ6,HM/"4XP6\=A%, MX"8AR9%L;V-4'4+GN.9K2-P-KK5GVGKDW?
FG3V'Q;7YSEE@N1'*BCB/[O/\4 MIV 'R^,T!V32,Q,Y@5$[[VD)%/(*@TN@D[6\2,.$.%ERD/R)#B)52M^QO\@^&N@
2$W+'GDPY$K8=>8[.1E:U89 MV4&66*_ND#F3&J/OC]]?9"] #=E?9!_M=H#L[:TJ5"+'VX2:1.!IZ8MB(*C, MH-@BI
P^>/SQ_B(GP,E>_47V45H'"-S6KH+6M&'9"PC,.E#<:HA2VEI:J6PN M+,?2^KSOS]%?Y!CTM5)8!]C;TK!"9DO^C6+ ,
OR>I@%;W2$9&P()06.H77& M[Y^BO\@OR&NDK@Z MWTP*RNT:%10(&S .GNK-HH4'J(QIEB1A0^#=AKY T_3 M/09^[936
0(?O$J.%I5B!E"2CN(PG<$%;H'"L\.AK]=LIT-1#Z-I&V[LGC^PC M^M%G.FW(75#&"^V4
6XL;>F\M@PS1@%/2B7F/0_R'G0>R_=^1ED@>REMWE"" M8R/@U_EL$PNZ!,-8H W:V0
J.Y('YQ(DTQ:3%$6SW89X;7[^N#O,$#AH(,<. M=I3]2AX26I;K.8)^E M>XD%G^:+U?0?F%_.EZOU,)])B%HD;C-
$GT.=I>C 6]K3343EG6?TX];YLOO2 MV,NU4W.X/%&+V51WS0J:!L-F2N>?SL_""O-?%_/E\K?9 L-99?BOM,7\4!,=
M\'WX.@D\5K%&2+4-M6*T-P1+G&N1"\\.'6TWIP7L;H3W$AZ.C.(!M-R_V7V4 MZ9K'=<,T-
\SK1,Y3%#F#TLE#M%H">3R(07JO56O/H GAO7@,O4+[<"WO#VU_ M >T9?
JB$0#_]\&PCLPU:*HA%)HH%@HGOLP(=N8_$K7%VK.8CSZG@OB5.F^BJ M817^:7-(-
RQ&K!^YGN:WI)4Y4GYI*]I.D7LZB!Q/DY?*N3+!U)HB4X\?.2PU9IQ"=!R=#95OI.L*-@@0L"1EGQKG_GGMW#%8.
MRTO=1RT=^+:/);$9'PO*5+,G B19+2,TS7O[X>:E[6K(O-1]M-L! MLI]*<2Q6ZNI6Y\#J)%4#OI@,20L>7:E[X63/O-
3=E=8! K*X5U@+WM*8[)^^B9 M2I"8=*!TKLQP!=9R:XF_8GCK8?=_EKS48_#73FD]('"O,UVTD3,6ZZ56(.:4 M)
[&IHJ$$)5B29-E%_YD?(V>P'A-'#Z>M#J"XO87$R_EL-9V=S_OG>"^J8-G MZDDQ+I?O/X89%W^C3WY<3LC#Y5RR#$66
K0K))*S8I!C\M(FC!I;8[4M![T< M"C6'VEZMOP;5^Q\.];>N<-<=5JQ,WD4C0;MBJS "1)4YH/'>21>%:^Y"#,I0

M+P;^>:V)8U!Q[_5^!XOD2@RO%[6I]CI"M4$+VGBSR;5]I+:U%(#-&'Y%E_MW[H_8EL.GE.^RGC+X"B]/_NMX3[W]XV
3T&O!QA(G3(HZQ"B"Y%"Y4VY,/VOB&%0\@ZUALQ_FGB$/)GCP*5'0'UR!2$$8)!Y4SDHFJUHW_M.CB$SNYXX?
P>']Q)IU%#A[!!F)4<9)VL%F#B@(#6P^D:7UE_MW(#LG5!L_IPH/D;#1Z?6CCKH99V,]_96ZGS]]XN4O+I!8979O-
R5Z>")C_?2_M<[+DQ1;R.DW"HG:8HT\.HF&U,PUJB+HV[-O[MN*F3A' MAJ/P_$S5!#Q?1&V.YJL1\
<+P7(H^[:'+;>JZ3EWRNH_^A=T7ZS$:VWGHM]_M9R(S6DM^"5A="X%<%!!H:8'1C-$_J9*:IV=0)6C<8[$!_=9.#<^TC?
J/I6"J_MP_/^%E9UF7U[11[L0I;=D+)WO5MNRCM_X0N*58(F7M_M4T(.*%P_I;(&%UT&:TP06ML28FOX_2EJ6X[!7B-
U=0"\;:42,MH<+&.@9>T=_M+V(!)V.J4TN3"#XYCJV3H/X*Y2K4ZL%ZVU
M"D,+9IGUTO+64WG^++4MQ^"OG=)Z0.!>5_^\)*.#Y\"4)9^"&071R0(\:^>*
MMTNCRFI>_^/EU]G,Y>S_!_85A<]R6:J,BR_ME+5X6_F:L)T10JUN*-)
[ER5JST[;DNPIBGLY]&D.I;T:E375Z]@=PW=E]46A_M%UYR>MDS\/=Y_69YP[=W*L@H$4KP-7![.M0
MD!U5B<*0%>L7C).,1[K#,1??9H0);JBN*+YF]H+YG^;GBWN\%^4=ER%31)GK;9K7$+2U@%YH):070J0!
M8/PD8<^IE.-$.&ZKS&<%Y&M>+UF??KF_AI6)B@+>_F+=S2$3US'$.H?%19:T_M$VD(=^))NIY3^<9I8-
Q6E<\+Q5>\3A5SPD6G@;EZC\>L@L_-_Y.D(>_O]S*LKU[S[?]G[TV[_MW+J1^^%/A
3[\E+6XBB/+>E(\LPSKWBPMIAADPH769U/_R^0[(U-LB])7_)L_M.VS=<#R<_M@4/PZV02-EA2,>>"J$"))Y?
[(@1DG0"6HG/6:VUX\1ZT'L>7"OC276@LY$^OEKH'BOJ_4R=R_53N;:X@3K=4_M<*.EA$"M_YZ3,&I]B!W:
(MQ^:GP^]9^*LB"AR"!&8DT@Q8XKD/CR,4_M(TR,\WW;T-O_M1\OW_28Z3WT"4T_\PN_NH_MIJ!B)Z6E7/-
&8[(8SZQ(9'P.VDGJ]#Q>S_MZ/_C:O+C/]=?7$%C_8=[9-RO5Q$&990V.4F"#40G$,1_C]/YS:>1'<]?C4.N
MZ_R>)?/+32XW7FX,$05A$,HC%1/-&P,CRVE$FAIA7$C.A](!<_>RZN982I\Y_M?
>FC98AEAM:;SB7AA.,>:>]P3AMI!'$:1XE@+F#_""E+5[EV(*NN6U,<"EVA_M=J1>JM_):XTQ_O*_"YN+9";S3]-
X/9S=O6#_PDIK)5CSB.DJ@-#)RER@GCOS_M2!QQQTJ10>LTBIEC=3KI1\#5L4+57E:"#13V#V+:@"N8&$9.R(BHX\8ID2(G
MLAM6]JY3]PCK%ROE!-S_$;;]M/_MKCI_$($Y99F="$X?G/_?[U0%_>44D]U#9!'V'S@4+&5TMV/BSROOB8/BXYFGV=?
(W3Z^$8_M8M4!V%0<.KM,@D_H)J_\S5Z\EL/M_BC^KT!&D#8N*&>&2\)!!E@/4F'FLO2@^(>$I%BT?8:2_J)/'F
M,//)WBQ?H0](-!&.]GPK'^$7F5Q^B""03<"62]%R[GK%S2TE=2^ZSX>=HR3?_M_'[N@4]%GNET2=*CI-O_\!X_M#._?
AM8-1\/YS+R11Y_WW(9410X)>9@:Q8J:(!(I[L<\1U4G<)E+_E=/&FG1%JW2"E\G8&#CGQN\Y49>U!**2!("
MW/T0P<[F>@.E&_&Q)='Q(>F!"W=+#>)+0E3O\F_4?MWY=[^BTM*]JN=28/X[CM!NUW:!Y4?GN,ZNP_;_^_MYO&?
<7CU;1[#JQ_PTZN87ZSD&K_/=AX_Q:D'K@>$>BE]LB#,/+_QA8_L%OE)_M)64\.J:*YVY.I3&;L!_3GTPNIJ'8ZK#??
0[R4#+@11,9??T#QD2CB/M/0._M46\5]B!;OMD)IU\X;J&Q&QQ?0%J^L+K:G-
RUN@1]MY@OIO%W8.]Z#8\03T]^UG;JPL5>P1650#^/YHAT4DFI_6(Q^XW@,MKI8*E24**6#S]V[9])@^/]*L?8FK;7K>&O-
S:=."HUY[AW_D=0V!F9&;0I_-.E/2)4F2QY8@K@9'V2B&2(N<4_MH,-BK93W+8VUZY2JH.]@Y5P;^(8_XH!Q)8D+'EF"
(^*2).1\((B"7*,C3/C-_MAT;G!1_06+0>J0[X#E7.!8%0V?CVCDF:'[<3G1!S_G889C1'6P9ADCS6)'&!_M:YV^CPBM74-
U=A@>KZ8+PN+_!NJ44A[XRE,5P==%1N:7H\$EXWUBG)4O_RUX_MX=QC9=;9$7>0,MKLG9;;!?XY'(U.R"YO?J)
GG@O584ROK=KO!J']T#B^&J8_M:S+S3,G9EG9[._&8%-;(N]SMG%C0M"4,!2D8U?!#PTNW33V(P%/MS^UBGR>C_MT;O)]$\
[#0.!I:4&,R0L7]:F:N2T$8A99Y0+V*;BIF8+&74SO/VA9-/HG*J!_M!@ZQ6Q8&AF@E+!$(K*-
!7$OXG6,*42F$38&YY$K/R[U=NPVX'*W$';_X2*)'_M(P$.O.$D?)G;Z;PH'D_2>4[JZP50,O8WRPFNHZ5.?
K7#\6^3V6P0C4A&6HPB_M"Q3E._)IS_B$L8DYEZ2_[4GQ#Q/7=UL?E^8*JR5ENP/8SB"DX]AMTAP_HFR_MV?
D7B!@(!JRS8)U+EW8<9']Z2[OW9G\.D>B)]N?M./0W;6/C"#]EY,;V3Q69_MN]&!RCI>,(U&Y;>1DG*(=VB*R#"6D_^
+^<\D;1T[N.L70#]B)O<3GT.0=^/_M^&3955<6X3TVFGHDM,Z/B.%WEL'Y[&D41HMHK"K=>;@[=6TX0>4QM7L.=E%]_M-
7"4[>'GEYO?[?],IJ]'=C9;]K2+U_>5,$%&>K(:M:03>(E2.^:YI%CITCGQ_M_\AK9;QU681,SJ.NMI%XS]@'>WW;
8UJ'3VU_H)>&6$_6W_7!03"G!H!$;$U_MWI>>V'_@B741V1M4ND/R9+W5?OT'Q\A\.G2+K+//N7(8?*0?<33Y'L/7Z+^-
M)Z/)UOD2;P:GT.:[BG-FWX??9Q_FW.-V4$/Q+$_^%>&VG_M_[YMP6>4_D?:@^.L$B@C"H:,3PYI8Z1BH!?/['-
>8S7JF\7\Z5B<7!(P:N^<_M9[E>\Z24M5)PC8B,V2LC$>G_)'*2*6ZLY5+03F#ON&_=?%X(9B8]*[_!+V.G_MR-?
L,.F!8/#&C,YOXW2RR.D\Z=-Z<-2X29&4SB@_0U*=I.!E(;8/[38_UB>R_M25%;%8%@HN#0XI0Y9*5A2#$
E5\.7RL=@1UUP!?/.UXF'$_27P/XVRJD6U9$_M"AH+B6B>!\]S_&N#,8@(&0BA@2M;O!/E;G+JE_%?)BI+:;4!@.
[Q]W^[>ST:_M;;2Y"P.*,7=)4RXA2X$G#_@BABJE?>DKORYTU;WLJY^O.DY!;8/NUVF^S61:
M":PB1S&WG^$Z**0]Q\@2X5@(^8:]=#W+3.?#_UNJ<4"P,\X(A;"UP"$S'%D>.+@6QCJ2-$V>GP]T.ZBL:_-J
MPK"$V@X'IED!^GJ&ZQ1$W<':J.8M7#O8!KU='AX09Z^_-['_\>W/(&K'4"GS@2S1_7AB#K_M+6RJ%&-
R*7IES@B]9^FM^WRQ)C#+JK+Q,_LIE]L[+&A,P>J3!&+.'1:P2I@0(GW1H2.-L^6HD$_MSC6"Q%'DDCT=0R\&I,Q@1Y_-
%F,R#_M)//PD3P?R^HH&#MC*=\^4IOUD)M#[\&*O4C\+KM/"&".)PL1+?-Y=@[.39\@
MMB614"R$<]*4OJ4_CM*Z#4(N"+T'J_4RP9L[!DCG(N4)V)(02X-5Y)"S(J"H_M.?
=!:RI5W2"OC08CEP3>0]5Z<>!]W//"4&9B4_P1JR3B4B?PC[A%WC'NO:":_M%1^I<@*Y=1N47
B,CU=PVUC.^6^3,#>P(5',;^2Y2C3?^P649!!.1&4]/Z/!_M[7H=T5L#DQ81>:B:VFQR\D\[G=KQ_.9!?^G5F\K'9'=
[^+G[8P6>?G:DM-#C_MST_325CX^7K187SP/.^^D0Z.EA(/WIYP"8/-D0'E]WK()Q6HE8F05/H"NPM=
MI]JFWR<_8N[C\W[\!2_?[#0\7O7FE??3A7WTDCH%3(U)&O'\0)$;31#X%AZ!_M(_+'BMA0W$,\@LRZ:?_BF-
JT5GTKKH%S;]?ULMHAAO&70A.B_J%K.:.,$_M&1\B8E13@;GE3)9.0W:CK.ZU3Q0(.TE;35Q6;N?
K;C2[\YY2AR%.I[EU(_<6_M:4$2DL3(P*FP%)<.8_=35/>FI@W4':6=4ROCBJ!MO]0Z=$%2CD$(1_E*WH(P
M,0&.L8U(V,0T,UJPXAU?3Z6Y[NW,N1%[5@VWZQ\JZ2RS^1Q($)YS3PTR--C<
M\HEQK74@MO1,BA/\P]YN5]JPEP=IHVC'K.-Q]3G^B.-%?_3Z^OA/&]UV.:9;^_0+/SPI%EYSW^T0)KO0,H+I?ON
M5\UO%Q\0^[OO5^YD2QR8+NR7&64MD/6<(TS!@$7&N,.EDUT'$7CR(;J8^F]V_M%N\7O9LZN1Y-
^.HZCT1=_3TXHX/@:%0L$80%G_^<9"\A29KK]0T)7@?K2A=)_M'DQDW=1,?PA[L2XH&B:-!#+P:B-^\1S8_'M+)12P<2U27
M]I=WT5(7727T_"QTCA!Z_^#Y,_%79L5##.O6+C82(E,>3X1S')X;'CIC*/+*_M2TNRU\I*/U?90D9KD#E&OY.RPFX_+\
<8ZM_N7@@3SHT6." 3O40\]R%R#F-$_M$DE:.!XQ+YV:.XG@NDFZ.H?B^33<_)Q_MS]S9'X?J=OY8CJ(?-X4_/0_M-
T(;E@NF6?&7:DWD=%8GEH[14Y[O)IT#7]S#B66=DTA;HYPEF!#?7Z;FPO,O
MAR!G]VE_N!X:.+]W1'8I*,O!R4'@_H"3SAQ#3EJ)+(O6Q,!$Q*7O1=K.JARA
MW&ZYDD,DW21>UF&=%D)A(P)B2D3$K7&KBL5(@B+@+4O'^_#-9PK.4C/77,E_MAPB]_?!L"]^IIQ1[$Y'_#N3B<@Z)>(5<
.(-)8GQOVZNY"#]=LB5'"+LBGB9_M3>>#VPACM7F\\SX8BOC-D863*M=R$>0-""@_DV/=C_M\^_%_X$_WX-A%?@T2L4BK#
ME0L'EBJ"#X2)05[::&QD@ME]A5L'JQ[6K#3PI#?5'RK&%E3_^___8>!UBC82_MA4@RP+3R%&FC/*(0NV_5+5%[7[
>K'I8L\ZKE_Y4?Z@86U#]?_WQ;L!P(_0H_M0SKF)CE1)&!:*&03=L"TCI[O2T<>K'I8LTY'KOY4?Z@86U#]K[]\&@BG._8&
M$1_/EBKE\4L1_F%@!4>L+8^FJ.IAS3I=K/I3_:%B;$'UKU^]&1!!HN0JP:ED_M,!Q2F"'+L4&6K%FG752/9_V!8FQ"]?
_U;B"T<-Q(C#3)53<)_MR-5>+)G.#=,T$7O;WAVN^O_J9O#-!:G^0#$V<#]PG_7\[:Z,A>8ZEA@U\E%Q_MQ!G-
ABNZG,&.!!@BOI:^5]I"1MUV$26O(4^5<5,P67:T^S#)>K"CU>NP@1%8_MR"_3;)K<5MP[AC13
MP=+K%E.>;MKQ!B"T&MW&_?J>Z=\#E5]A=4_78[P7&2_MMO[U,'S!0\:<8X%LL(8A)WW.%$<%2G=1Z9BS=F=.F8/ZCY_L2-

0GOSR+<;Y M;_D3H+=?'A2&WA8/?H5%?KEY>M6].M*,4<(%"$TT5^"IJ!B0P5P@*H1FSD@; MBS>
(ZH^;5DQ^0WA^TG.V#70TX*#L>BXEA>6&\CS9;9E^DN];G'2+T!L"SK61,!N8Q]@0E3'.9"=;(>.V03]&RQ#31ROYEZ_,.
MTF^'^KQ#A-T 7A[8[SNC?A]F,O 51,(TMJET9>=> M@BK/%VSSU"NGPJ;PN!IU,, \:24X1I%@E=\:@SLK+46>N:
P,%6^S>K=W\BZ#!9-X65WX;6#4?+B&@@B?4\)8\\EGFF6T@@# Y> ,>,*9 ML\UWA+12?
=P?:HZ5^@6E#3^F!#MCOF[2.#^EA>%!W^_M86@7?AI(RC&J3&!1 M(4L56")-&-+2V7SKK:6R)FE=^G5Y$P]!
[_;JQ[1AG0?::LVB3,@$3<%17?:3 MMQ(%9I+B)(H^^WCMIJN5P[%?C.TV@H4TUL0$@ T&7D]&(XALIG9T/_CHZ^1S
MG"^FX]=V]FUE3 9>!.IR#V5L$APF)+^Z-48CR8(Q/+*D?.GP\BA"6SF0:R&U
M+YV>.D[@:W_!@\38JOPJG%$=5QDAF_M^4QT"L)AL%*6O)(X*'LY0=E 5=8=I MHMBXNMY.Y%O/]V9@""#;D?V>'U
TL>DHG+@M% ;1YSP"#HBP8CRYC5V)M$ M19_%5YT)K3N=HCY:^])IBZ?SP\2!CN *"V]@WYG<^_!P6" (6Q,C$3F6O?^
M6OXVT=#]5D5W%T6?XVHFUNS;\/LO-^_'H/9X M5VVW[;KI_F.?A[-_KRZ7! NP?<'CUL;Z7(-ND:$@9X.IL\%82?
E9NJKUPMWE MYI\.P7NG!J7UT=/ I=".VA"%$Q/.JGPM#]Z^L10Y*RQRE$II4W36E9X6T6+A M5JNXZ5;
(=8@2FX3BNN;$1!)<;B2F @G@L>44<;YVY<8):QUA\']_Y4*N@_3< MM9#K$*$W)ZM?=)#;5&
(0%X(@I_/KAF1=RI/44_%QIL\2U; C M=R02=H*MA%K:+/I9CVC]'/-?+-^KK7\"\9J]NIJNF8M[/U/-:NU,X,@OGZ)B\
!U4!@%">>P)LP:7]K=Z4C: MR1;O7NJ@BH]IO>SJ@""4>G O*++2T#Q*#L/9H#EX,T)$YUG2K/BE]1YZZMJY M/K#RQ-
"5TD;E?KMWKLCM+AYZ.UH&5%(;%Z1D"%N7GXOG)L0N,3@5DB4L42GV MMESKVGQW)P&5S\IB^IV4%G9MQ,2K31;6T52TU-
(I<<02PZ00B>.PYI&TBR MF&)%.SUT? XQNPBHUZ&WD&(GI:5<&2JOP-H"Y;-U=.P";!*:!!(D013C3,I$ M)T2_IU=\?
%XU8J@**/"21%Y5D;"V\5T\CVNZ4XZ:B%Q0.#LP[DK MJ4::2X=$(EYA9BV8T
(X>+AFG4Q!/R@X6I8UNWSE/C'3W(04#L_@I2<2I3QK MA\M$$-A(@?)K$"6]=CZ_5%]-#AZVZ].K64Y35_I 1KZARB
MV<&KV="^_>E'BSQ7[/6WX=BN@1N%5"%%A@)3.1M1-&'/&,S:>2B3H@QH3QCTEA2;0__ M=[>NGL5K!/0;_P=*L(54[?
90ZC[AF$RBBCF%6+ ,Q.$2A%,@CJ2$=3+&8$7Q M5TK/T%3Y9J%T\-F+*AJ UC.9GCN+F1\4P/_"5_MS8"-
L&Q8Q2@F,Y;+MAQ8N M(D*G[[S/=*=QV M:?R8WH[GP_G-/X<(:(P9IHDE^$H'SXPB.,/-*.P['GNUTF?9,?FK;VG4AUP
<)@5UTP:V M'@KDKNPL2!>6 9_+23O"8/-BA:2/Q!&!,=[,?9P"L*<$U,N)GZ[3IP Y4<"U M,V1?
YN#NV&G8XOS<51420GS4B' ,SC9>;B &+&&JL'78L,2>JS?!_Q$*L-8'A6;LC I=V"C
MI451*XV)=%:JTEF3HXFMF[QKQXDZK]8;@/GP>L\NP*;I$5,2$C ME56"*)NZE3F]Y'3@F0!4($]XB#8O)4_X*H3A:MS*
^D7S0GN7:&7_%]WGLZ< MZ[/*:$)%+J#P&'$F##)<)^0(%P9.>L-\Z;NH,^7Z7MOOP[D=#?\0AMME7D]F M\U^GD]EL(/-
<,>%@MY@\&)9SX-@SA33C-A(&VU64?EVXCY[+R+P=@I5-XU9, M&Y=BQ>X' KT:C29_YO[7L/%? [7#^8F]-(Y?
K!?;=A2GYWXFH3WSJDI/*(M*\(!87!8:JQ%BLHH%DK/)#F3F;N3^;O)],UDX>9I,7KEE]43,U!2'/[(_O3G
MR6@$2OG33L,@C[ZV\#?()I8G(ZN '/@1* D2@J4N8EKZNN)@(B_#(!Z"JDV#
MV*_>&@A.NC$XL,&)1#1'+#]FYXEXI*E*"'C4>2A)L*GTSNQ&65T(]@R/H\!X MD*Z.1N#W.!U.PI>YG%MX+STVG&!EN-
(N!$1&28(HEQY M+I@-K/BCV7WTU,WDG!=SQ?12/5/]1$0/!7GO!_US.IR#DY2RZ_0C3F\&$*AC MXV3N1R?
S>P;!D*.6HN)U/1?6[2![$*_PA#J_& M;W_Z;W9\%3\#">_'?AKM++Z)JW]"8,:(4+GAJ[3F^8_+*D! 5^-
\R5V5BA9R"/P8K.E;_\VZFV'9'AC/K-%+5N<0OLZ_ Y>1WY#\WY3_'FSOEMO5NE@!R4.^\<8DILC
M2>1PX'F$(A/,!&&+YV^ZT'49*9M#L+-IZ8IKIX&3=H.3 5AZS:3VR(GX,WD5#8/A_7MYFR0'"? /49)
M8MA>04D$G@5'P0A/"+$FIO)-R+;34C>7"]@S08T?D_V(@ R<=P=(H
M1+.AYHG"7N$J(N6B330FZ4SYGN?/$%4W#MR'X2MXE#UEHPXOT-U@,#; M331\F4_\OW^QLUPN<_T]CF?+
[[W]F7\;/]CI=-E@](0LPV$+%$@QG,!1J<$K M=_,E/J:'-"Q;%F>R90/9EV^ :I>I_&105I,J;D/'*
(5*EB;DDC6(8X)S\VRP M1L0'3107H7CF>"+Z[7A',N3;3&(A]4-J\"#*VD#EDK;>"*.Z%*V(A'BU96^C$JFY207VW%
MVY\/")?1"YT))TD*8%\)Y *C" /9GE'E N8E%/]PT7IO3HLH_FCY-1#4KXXW M^)>7)@\;)8B&N))B!G:/!XM,P
Q)RKCP)DB^^=[X]+*#AP2T\MZSAJ=PND8: M@-/Q@KMG>QP^C>SX@[V.Z^??@NL0I/,H,K/LC@PR2+E/N# MC\IEU\?#:C-
ZJJWC!G#^]OK[:'(3XS+U_%[%L#:_BLIH[$N(2TY0=Q*C;02 M!E$GE2-,YM$[A<&ZDYC*@5=UG&R^GB^BM
;0]SG.YM.AG\>P9.6/\7 ^^_SE MCS4SX'^HX&-"6-N<FLH+*>\!I#X*4Z7 MC[['/BZ%.+OSI3V6 4X5;(1%>4Y8?
O(*OR0?B:$WN@,018JW][NW7 M.(Y3.WK@)V9FUI82VP G,G6(4#B<.6<4V10"A$Z2YC+_= M-8:3-&GC*
.1>K5*)=H$'), OZGY1R-P3PU%1@F)A"#6 M"X)=TJ7[+_;%2^,9[,O8(2;/3(^'R8
M4D&1988@K;SU)FG]).U6;XMLH;]RP'&A>^)4(-1.X+S]^7VXRAZLJ(?#\'$N
M=,"2T"Q*C&3D$,#AB)'S*C+_:G[_$<4S#^6JXQ(K71_MO-E F,F$20]3E M,<@F N,,4Q22XXHZA3DN771[\^COX9
MAU??YC&\^A&G]BHN__*-G<=W=CC]AQTMX@!\'.EYOAOU"5R>_"A!&P:F(6')
M.5%4\=)MP<[,8J=]I%_H/FH93K4]Z%4,W$$XLUW269NV,9H2O--[(3K$,. MGV.XW_U1,)ZPRZ/G)(<(QVOD#(?X622-
HXS"V(XS2,L2UNT:"K]8J%=2\26[M4V__=S& M[[%G$"*63A.+[+!N.X?
@V)_]I\GTQ6AD++QE3P2GD67#Y$1=%^5830$INW' M@:(N4DDP4I;DDPG.*"-9?J6<$P\F&8QQ)[=N'
WU+VTV^7>571)\/L2Q\/) M]'<[MBN1PSYSU'C#DOXNOU[%#.G$,,+))B9<5"EVRW2>0D4W8+ZT*^+S*N^2 M4/IJ-
/HP&3]A-VF5F%,:14<%XDE:8)? [PB7-!J'3>K6D?]T6KHA]J5=QM90 M9&WTKC\S2)^G7R./W)QT@ZYS 91D,B9\RBH_-
A%&H<,]7"@X)"(M-"1(PC0![F12NJ'V1=Z4GE>-#>03.A4>P>9<;=FEF&=?)W,[>OCWN<'XA\G\ M7W%^/_UE
'+V5@@%#CD<.-R!- RU.K=?8BD8<)!LZ>8?O3'3[=722[M0;0LC MM2W\-BFX9Z3P^*_F-P^97V5)TF3Z8)[FP!!FM>
(6"6,YXD(EY+2,B,8@-:', M82V[^2YGH+;;KGAIUYQM@J&!HR3/^/7Y2-RNF/4A.F!! 5C!H2-L.5P30#IC
M@T:*>VJ5QD++/N8Q/T]9-SB_U*O#'K37 ":/J*O>QG7PD1B<(L*Y0R"7))]3 MD4(D8JFTF(A4O)%9&6 H-?
V^Q!\MOS35]=Y M,/L 3ICD\[L9QCB$,LDIY#BV2+JDN3!YLN7S@PF97!JA(B6()NX09T'DE]T.
M81F$=E+G]]ZMU&SLY>2BQ^D=@N;2[Y<* *,!K[V@%%9U! ./+56!!Q2,#Z 3 M4(_\(ZZ-C#CC$R7$0MC00HGG@D
9)6;)6A.)OEPZF\D);@_4(M\WX5?3B4S0K*XWB5W<8F;/W];?7LU3C<=_.YW]U*2*4<"4APIA"722)CI40"
M)Y9B"$DW9_Z?9>I".X:U>R*4A=&+V%E/G4DGB9):.<1X+@DU$2,336Z:;CG5 M6N.(2S>.JA-SM%>
WN[..0TF)\8<;\=M[)4'W2360C!":TFT0]0+@CCW!+GL
M7>;Y)4Y++21NIOGW+B;JQAT7G+0Z#0XMA!A%FDZL3M+HE\\7\X^>RL4IRBFH M"8R6M8A;#:$7EP01+1)VB0(V_CO
MTW3H8W8,TMHQT H3R75^0T,,XMA$I"F(B>1>>C0X&G4S?1&.YK)N,'3!&ZUG M0/UUMMQ "$8#P18IE?M.:PZ6B 6*=
K8,QF9L*TU8>S(VHNYH^D%X74VY$%P MNYQ;G9WCK+HT2WHL(&#".0<2(=(R$%"0R&F69%*/0F+O2-
:&*CC$FDU0*H)0/02[BP MNX2]V0?<7MX5WU[1J CAN#02X8AS!R6?D'&*HN $PPI''HM/K#D3:W5WX@7G M6?N S@LXVW;
<\W2U082""4I@@T1NRY7?ZY%Y*IFS!F6#A""6MKFWB4#$$F^(,"RFUG;=7H;J M#FF[X$U5#B:M[!GWO##0)>"F:A1U]C=-
K.J!"LV"D1LP0 M*$C#TA'3Q -Q@I)/+?]5%.>E\W+OC\L"/)MVZ]AQ+V 3;G;[=XE(C*(5 =K ML$0ZY?
%WTCOD+#CCU,:H#6=8XE[N*,[+YF5?(+:[*?M&W O8E ?[XKLEQXWD M N?Q?(2]V-7?=?8[A:NA,_:799Z42BYTZB+
M0DA-"6+.",2= ',GF^E0.NS!7*QF!9 M&B@/)G==\TDB3F+N?LDM\I(Z)<$^&'[V^I=CF:D3UC4'U_ZNWT[SJ6?)0^\
MZ%=75]/ED]@-<7 G=7 Z(<4\ P\!4ZO51+)*&:(-^,\^=IN(T#^M=6*M5G=* MBP!Y
8?.\U[K+D%A+T!I4:.@B47<4XZT)PPQZ27'UJ? 6GO3?32S=6*F5K=B M=74#GB>/6ITN2H]CZ&O!I_%
M">R[&VB_$FVC=:AV3AHI29X1E-\0.)D+'"D25AD/,9XUQ5M>7FCKT#L=/\#! MY^'LW^^F,5N:"

BX'+)ON,V@=R>X6^&/X8!K.%2(%H2@['#R'J7YF(!NI0\P&
M(H+CJJ%7Y%V9NNC>)LWLGY/A\E+WSS\F>9[0:#B_68J$@W,./FU 1.2Q4"9(M9&*2R">6FXCQT%#GK.YL772'D^;VT
F0:647'7/OMD\DJWLT"!.C2"DB1SR$ MB4EKY)2Q$.MJS9A18&R:J$*84FZ#33:86-K> MER+^HL/R0S#[Q+Q747\#CL^*N
8'/PX]$:.0!.QPONGNUQ^#2RXP_V.KZ9Y.*T0?0R M898C"(<52#,:D&92B'EA4N),\WXJ)00S41?<)\"JG.N30CIN
.?;W+G/7_[X M/:[:Y3(,;BI0[P3$&!Q[C:PF%$E*L%!.>VQ*>T]["6K\%400>)GTI;P&D'AT M,N>WNPF8P3)%E,PCK1-
!/-H(LG0$">.=4%;[X-2Y[>NS5%=^!-*$JW!FW5\R MVM_^[V(XOWD_AIV_6&KEX_Q;G'[]9L?KJ_6[X? /)Q-0[$*(&BR
6V8Q4QX# MD&<.*Y=")-YPU\P QZ,X;/QD*(S?4MNG?S#]-;;:NA%ZE-[GJ1O(*@>"H8Z" M8,
8*D>B9X(0$YII/WPH"ZP"T%T\ VXL^$E=5R'=R<=@::YC.HT' MJY$0B%KN.;)8$J)\L)0VT\'T0-
XN].702]J$)X#M16_"=6O7!Z(){K^TD1$E MY@WB/H%]2I$@PJC7&'..X^4;RI8;*]9\$0:D*? [=);!7<7SL9+IJ57
M_P8LREVQVT-%&\$%I3PA;G&>3Z\I,C%:I+2/5">6$BT^0;TM$5QHX'DQ6=;>
MX/BBW=WNXAL09ABA(*G(>&Z8CBG$Z1B<$C#AAFJ9!&WF 4!!OE]\\K:_C=.@ M$3@(Q7^YQ._SXF.:>)Y;FC$A,#AL@B-
G29[=AX-A#L*6U$P#H-+,7^@)_I>R M!'WB^44[H_S@<\+3F!N:4P<@<[SB!>2NW]:ARBG@BJ:^Q]>:G:ZC"&XY/3U M"S
$?>+Y11N"![/-GI>:TR113)25#DPGSY;3FX1)3;19)+SXG)JHP[A_,6G MS5^ ">@-R2]Z_Q\02S&3M,?@+6$CP&8&
[)'%+*$0L&(49*;DV=]DM)(1N.0, M_0O8^SVAN&AVO\;S:W"'TF1Z;<<^UGF)W9& \SW*/D8B;;S/%LSY(&"K\:!A
M^WF9W[I*CPPS &!-D^.EYUB]E/?94;.<[,KM;1<+L*>MR(A9;CB41BC00%V
M:G^_SSX0L_V]SSY$_0TX>X^?;1+P2'7T<,P2#9YJ(B]832*@FA"E-"D^'36 M%_D^^R 0['V??8A&&H!3+V\QM>>.6:
<059QE+RHB%W& C4T]$Q9^)]]B(X;P/D#SV[)ZFS]N%=9'!/E"@6M).+<$&1HPDAJ$R7$^C:* MTH/F=Y#2^-UR[QB9E%=8
[@K4&N#M=&!8 Y2%'E6AH"SR1L'^]]2HK&(\)M6 M,BN_O;37V*?3!$Q'P;8O)8"T'5"NP/@=M?
KBAO8"G'3#$%,DD0&/'<-/ 9+ XK&@7(-"])>SGNRO_:C[#9WY&F0 M^RMLRDTG7B3J(K$>,8TA[J
M6KIG*4L*0&"\S)/N3)(Q^B0]4(ZPSF$ 1?8<^\O]2B[\61K;W!\T:'G <6K MRG#&07 H:@*1 H5P'9P2^,4'8W&,S-'T
K?PB_A]K=Q&C0"!Z'X+Y?_?5Y\ M1@;C/(-#P"J;#P&,C 4DF& U5H;28)0IW?[WH^R_GB7H$\\OVA$X]!$K(T1[
M81,*A-0*12DIHCS+S&"% MM,N];8B0D8#_Q-GEW(S]_2C[)>W]GE!\\8^RWUY_'TUN8OP2IS^&Z[&$;K4\WXQVM M'[?
3NGK(8# 6/$F)G)<,\>08LHD:E+Q1E/N\DXIWY^F#D5//Y?=C0$S\ OA: MVJ_?
UDLN']FYA*V//"!+1,I=;2G2N3VDE,GJ@%5(L717TSWDM/*VMA8*-\^B M4IIKP#G7> 'H^@SJ @&^OQN%-
_!%'D^]93&O7:0 MD-SVW;C_QC$$ M>2/@ZE6X'HZ'N1',?/CCEB-)C8QYZKS$-DO,T.PG1!082YI'P37ESX4OW9>K
M>TE0'CL]";H!^U3& [TOE**$!\M50-2!8+GV"AF?00A-L A",9Y*V[+"++3R MO+Z5V* F0AK8(&O.8MC.^/K<& 3K4O()
(R^=0)SIY=26A!R7*7IIN'2EF\1U MHZRN>U@5/)O-I,IKLA@^RZ=#/\?O"_!R@,M/T\G5U%Z?FK?<^<%2"<9N%!?*
M!*Z2Z'?]\KS12G(+N%)AV0,*<*640X&;X!V-,1:O[WQ,PU7R@L"&ECF 6#@ M3_=@V4]!7:044N^DN*R;1,PZL")<:\.T!
<(%')R$.N0B(\A3+8U1!'[M]##M M*,S43*>6U.^SD#E"V+4S%$]X^#WG7T"I]"YF]B%8RW-?$F F@7_G/$G(2)((
ML39@BI_S43JMU!H^CE'FI"_)-A!LK4[H;=;W/@1(3',7K40:#"[BDB5DHPP(M8TZCM-$:6_H*IP-
9=;,&9<^KOK11^_#:&F2\6LR_3:8YX'QU/5F,YV1 F1N3/>%?%]NI'3@LM<$ *3?O71@ U[)*55?]57'L0(ME
PPHXDFS1!+*N;=F)#67",CB%9)*RI4Z7[X>\BI:[/Z@E9I/;0&J67AWBTG M.3WV>X0=$P;1T* \M4B8W,::
W+421PD$C&+TGF/#+8.6>5]5%'R)(J_D#R: MVKK/&/I&YIFTV&8&?'4#_-7^C*>4ZV[Y2H%
<]W.T%4IPWRUS/TGF+O/)362, MQ(B$8P8,$@:$J00'8>(V6$P-Z+^7*KBMY)2I^(-/OYZ,YP#M./8WMQW&HTH\
M$@1HSC/3 ,A..XH<5E9[ZQ6WI;/Z.XEIH4SK=#1LK_0[5?8-''IWC*P-X_QF
MF;LS!$23<$)2YJ%UUD/LP<%;9)@)ZPV33I;N";N=DD;@)DWB9QU
M5L]A89.%J(+G1_5<:8.OL>$UOUDE;*Q.F(I<<6$KR'!:%G,F)82NY3$'&J$L_+-Y&1VN@.4;# MD\+B;@
R((8XFP_]8R:B5=SKF'=/]MFMBLAY#5+1E&"/3<"DM+'92D@+5<.% M07.ZP!M S5/)Y&%22SN,@V7$$XL8
!VB3.)1/M01A'PV)>*I=J7-S6YJ&L%/ MSW[.4;)O%D7K/>:-LE32A*+.Y[E,P O-W84B-PX3D[?>67#4IL]SG,X[0>D(
M!30 IL_Q1QPOXNO)]?5P-@.]P)???^/(CL/:QAJCG 21("%2'ADN&#(2#FKJ M63).&J]8Z>CK6:):A-4Q^G_R*J:D,AI
U_+YQ\,7&KFZ& 2W_-WK;\.QO9UZ MZ'@P49+U6Q\I'?>CK0U! M%U)11P0R"83!7<#(^@A6WF%-
;)#2AGUN^"SZ_[B:_/C/]1=76%K_X1Y&]^NU M\,ZJ($".%&0#JO_O3P,35.[WLFP#0_-$5J#=4X="A) @6"F9W]?
AX##5_W]6;Z@\49 ,'S;:8X?X*3VKF9B$A^B1*86XHCI[TYA1O M(Z@1B]%/?'6R!AJ
T]N4HL_02>^X^@RGY8JS!3#W\7M<'9FS ?,V$IPM(R'9 M,C*"7$@642M@TPAL+2_=4Z4[=8WXR:=#8K,HLA_]-
(N_"!O[(>CX4IW\W"X5"B$&*,2TKANM9,G0_(@LAOQ ML\^$U?XTGONA01=^\P7X-,[S7ZY??/X2QS$-
YZOJEP%UCB8/#!*&<8XY" M*X8BUS3WPN%PU'B"($96%BOA#2_^:K4P#XV$,55,;V^Z;L"9N&?[$:Q5R,K,L152
M:Y)PX.P\6#R ZDXP52\&IGWILUT$+QN)OPK_LYC-5R>!=TDE 6)D7 G8F(8C MG1\&8!;]XC1>]9; ?
5^TCIA4;\8+)ZDF<8!=_>C\=5:?D(K3H-"FDBY*D@W M-"8429!,B9"LZ:T@J0-]G:!G7A;T3M)1[;30;T/K@/3YS;O)]
^PUM.Y'68G MY--D-EQE:G74"OODD3T.+X<]/0@ MX=IX^6,\O>M"=Q^'SWZ=3F9YMH9?3+.H[W@>Q"2]C&"!
(V,>]@)+*$\+1AYL M<2384QU3)_ONANZ+NA6Y P:J(TOH/Q?T4YG'[_'\=?) MVY_V>CA>JNR7F_=C6&-
L1^M"OW5#SD'"1--\O<.)RIET;)#)61_,G1(VZ,@" M[82O@Y?NAJ]+N]WH5P.U\74GM
>,+=G]8PSJ>O##I=/X%@0[7^9W./6*J(0L M\R+/E]-P^$N/=&(1,T&"$:X3R(Y;OQO2+NB2X5RZ:/-
Q_\94LU5KE]=VY!>C M]5RIK?_&"8T 3ERQ0-. DCR7ZJ!KI[F1Q.Q3G"X7NWM/+@5E%OX'N")@U3#)
M6*,"*1*IH9I%@TOGV7?1[].#@^0@S$X\(>UT)\U1F24B0B#/&.P'*?B;ON.)+5R M#[*S8;*PTAI(Z>
[8>KL8S1D@3X,F*"HZ2C3:_Q#V/==Q%8N56 M96>TCT64=#P&\SBOLWJ''^QT-:2GM!/XY,-]^7K[.>C;I<-
@@!Q)"6$E[)C"OGBQX(ZV_(UYG9M(*@R1 M&R4J=Q<@Q&!L-"E].5J,^$9=P4-P]N15817%-G
0OX+0/F2##M;A2_2+Z3+0 M?_03CQ9@$MZ!]+,8%O/U0\M-X?]RL_T#R[?JG'H:HQ5(VBCS6W61SQZ9WW-) MT
5FEN''&.^1G5;&_IX5H)M3D!I!2[,;Y\%#1B:3TC'GYFBPB/.(D1&*(R,Y MM390"!Y+0V9YCJ:Z$&X&/)U
?:0F&I#FW=BTW,3UX_"X-CL8H)'"^ M+; QMV5E!!'#/;&2A*2*O_G;14R+6#Q6Y[N&'IZD@ :0]#F":S7T.=C+K-RV
M/(M)6F\=8B[/0"7*(*/@ /&":NH(C]26]N>W$E(W^],K@DX7? /H <.=)M/K M7.*Z"D-OFY\EY;67%A$A-=AJ 3+!W"
(=\EQ&9Y4I/L=@!REUHOLWZC-\FLUFN%_\1IS=92>^&TU/R[OL^5R#;WIG:4CGVG_.IA9TP'-LI MA,/AC_%BMK"C)?
SN\J'"*@F^0&^&DE(]X9B5R1GLDI-,^"Z3C6. MZV]^G+X?IVG\WP7H*W]_= KA>HK@O;@<<&F<$@7+2DH_M-Q# M3EU0E=-
Y-S =K(!VL;0.YY("1X!;AK#,'K @ FD#[D&P5G/'I+?$G =-+62#
MBZF]&YR.T$$#@,K^O#IP]Y$[J\&Y)"R_@5+&PA:C%AE.C1->*&M*9TWN5V\2 M*L>H='.DPW'R;0 9.V1R'XQ(R12+$:,8
ISOE%&DK>*(.4-88E%04;J>]#F: MZB8USGV ':>*^H\T9HMISAJNPQH(0G]9S("5V6SY!&6Z6-YG#'0,1DK!D"+P
M"_<"!(8C19AZ;+RPE&WV*M[Y*J/3@DU:H"-5/.E9WFU&]K=LO9Y M5>S[7('(OC.UA2+[+>M!Y+9L&;
(<"KMZ"GT7O5DO./%&(N-Y1%P+CS3.S4,(ML9JI!(>?+6S=#Z.P7*7=
[;H/%IG]D38[FJZ'I37@/.UA:MEW**=5I%BCQ3G!%Q1 ZZH]@HI M(13W$QTL"9-,R(2L$,O6]C(7CW#$ M$]-6
)/8EGX#\2Q1;9BTDU3? 4['ZZ&V._]['J\0?[Z>3+]/5IW%U^&NM%(Y M#K&.BMFH:QV0,]Z M8>
F8OD=>KVJGK7"NTAXP0M3DJ+M$V#+:BC PP#RXXK!#)K>1X##@_>75(!X.U#,*HXJT"#J&O MKLTJCKC>5=0
_-9E/;.OD[6S<,ML7/5X&C A#-5)($8CS=M)(D<]13[0Y)C. MI6VE!R4_1U/=&M;>8%94%6TF1+\LW&R52W[[([-

Z0C)TUZ<*)$([45DH";JY MUGTR"FOE'81Q@B>=G76''%<>SK(8F>
T,E^ZI'$7+2K6$$$0PI+U1R"="-2,"3O#2+R6WT5$Y:U1"^T]2D:>*NX%C:9,'^,]6LZ"3 MH#PYBX
;C"#"S&7\5N6&NCQ(8:15I1V@':0T!9PC=/P,:(X1>)NX62<_*+$& M*TX1B3PACJT$X1"#F"0^2*^"
(7W;FSMBVL+.4:I^'CY'R+T] *WS7%@G+@-F M*%!K$7>:($T%1]9I93Q89Q%[-CLM9!@+*7D_=(Z0>'NPN0\(L-
5:86J1L+E= M901FG" $A20@2O2$ KW](J>5C&+/)]9Q(F\ .J\GU]>3\?+1ZYOACV& J.+N MCAJRAX=B8!)
MS^JH'XDOOWT[+SWZL/K\ZLGB\'HXOLKC(T>3V6*ZL2^V1>*/@*QJS=S4.GT9V_* I26&#WP>)9?LH_#$>SF>?O_RQ
M=F/*\K]_K:K)PC[1\TP'A>TB/]H:C7KLCU Z?WQ"ZX/>NIJ?$PG/B+D.!L!V M#U:L7"]M]KU?>NSYLON+!4C\??
Q]F#_Z%)!/:N+6T1U MDDA%)_H1?7'^;1(*ZVOCFU5"J..TM5T:C>CJ$RP[GUZ/P[N102JBJ<=?K'+H
M'Z6GK9)H1$MYQ[\>S*TG)HV/EGE2#[:^CV512.*^J_)G_?TE;6 .SY=9>#W M48K;+YO*"KP[4X?7,;R;3+-O^ \
[.GF[[?MNE>'9!ZFN@U1:V'BSUZ/)+'Z= MW)&; VEMI-+JGZ_D$3X=-M.V#U32T0^:3;@)HX+[I/IVT?],< MU13OT;?
K!LN==M%>H117UME;/F_EZM">DZCLLCXX'-N32@NK^&(?IZ.;JP;B,Z_GI>MOZU4ZF'=?7VCZ1 MM*"RMS^G_M-
TN/=%0T<]W7^JDW(:N%I[PGP+&OD53H#Y&SN/[^QPNGI.>K)J
MMGRSDXX:N%#;+8[*RGJ\LV]^__=\":77W\97G_QI9N^93W=27=T[MF[":;5
M[_WJB>G7J5T.OGW@DSVF_,0JO3W+%"G5Z\K&B?5ZZ\S+EF7*I*!V?_B4C@&0
M[73T*\!H_GDQBD^7>%",^L6.XC9.=K0'..K#]=*>'13WJ__*7*K6/YT_M3H ML7@\!FH-
H&AWXG4K>EH!QA,;^>18._)68^=G3R#V_G._W("\3[\EV_K!B@G^ MYW3QT,78)XS*KN$]:2=?
CVU\JIIN]DI[JU9>1#Y_#TN3 P_10_*-;2]Q9%=(MGNFN]N^KT(Y0_'T^'7V-
T^O9Q_1U&D!]90IW]GRV&D0/.]&>%TSUN;U>J!#]/3,R*IK+ /DW$?.MOSV6JUP(>I[7G!-&$ EW2!\/)%00$C
M^.ASU:I]CS&$VP31D#'\.KT>S\O:P@>?K%;9>[PI?"J0MBQA(87M_FJUZHN3 M[&!S:KL-&*;7ZSZIA2SAYA?
KU5T<8PUWR*,)7;W]^7TX+:FJC0_6*\(X1E/; MI=&$HMXL5H054-'=I^I57QRCG$T)-*&6!R555U>O?MCAZ-1JLWW?
K5=S<8S" M]LJFU:J+M]/E<\.>6B(]_7J1&HMGB"Y06G$[\OUC>K+6$R0"$[;K^ MZNTRI]]:;OU@M5S\(?
IYN%/WB:5VQ!9G(+OE+58^C4^^,=KVO6KZVBOW22_\7G\J6IWP<=J:
[LH*NOGEJ"Q'=W,AK,R%18[/UKMJOA$ MWWNG>"IK[\O\WY^F_N/TZVSZ=C8?
7J\'/Y9KLM=I@6H7R\=J]1"Q5=;PQ\4< M;/QXF=$I9TIW?
[7:;?.QNGQ60.T<@!\F\W_%NY,ZENH"UV6!:E?3!0[+9\56 M6+.+7R=N?N<-"!#
[':3+U2]?Z M5&-[R#K5+KD+:;B+$!M4^S^&D]%2S!_3?TVNX^O)8CR?
WOQF_^Q#]WL7JW=M M7A(!7>39(R X_]=V-$P#?V:^J_VYR]Q'--P?
G*+BJ,6K'7:%B3
MC(WL>$WP^^OO>>HC,."&H^'\IHSO=MR*]6H""'H'B,,FV$X&5=/'V?+9>"4&!
M(*Q-7V\+@87CZ,W/=E)B4[FNYV74T*W),X@+OP_&/V8*)0Z<*?+M_85^#<$ZO
M];G[2+4+UP.T\'!';G)?^T+H9_2+^?!'? UFXFHRO3FY=&3[%^NI:5/>DX[,
MUTXDCT:;Y T[3&?K5$2R^\/UJJ_VJF)RF%PJJ^Y3G!30T_U7:M:4/"_KR1[& MZQ?Y
$D?BJAC\UOU6JD?J)0=0OB[5O&<)\W?]8E_UR<>HOP/U\GRWC\U.WQ
M^$O5RJCV[8ZMS-96P&AT1U:9K;'YN7K'^E9Q3[KP7ELI5U?S9:_8\6S\#PN;
M]\OB^GJ5MYK-QU_=Z-UD^NK[R(W^-2VALX-7J^FI[=+8I(#X&E![IAE8G'WY
MX5]O;X9YA':W?K2F9]=1B?N$43OX*:VGHW74ST9[3OJ3;J)H1$N?IM/BBMK\
M9KW]=(2N=@BD=I;N?^SM4KRNG9'3EDG7IY MO#UJVJ;-
B_%!'C'V]JLE!ZAW9;KMXCS0-U?K $*ZO^7].W MX_ N#QGYF.Z8^'4ZSH2__C$-
_YKFN_0POGHU#G^,?\SFH0 CEZTC:U_F'XG
MY81=&2LYO'H_7M._2>DF/^!L_&M:XCP_?M4VC,;1:#E9W)7A\@]@\.K-?"O>
M@0_XZSO8%X#)X:M51SVQ]G8^R@"!R*P:I$NM7 M>]Q:!D\%55!
[LD.TN2[NY*O,A]^I=NCLN\CG;R>?(FCZ.1F0$NYJL3ZF-/3PW7?C
M,GOM^:_7,X''Z;*SO&K;S!BGOTXGB^_O9[-%08WN^VXUW_=8._J\C&I;U&]Y
MXEJX([24%O=]MYK'>:QU?5Y&U??BY.MD;DNU%"NARC[!:
M,*5WI!8WJ#N_7*\QR"EV]3E!5:_S60SG-_^PH\5*E!#>7*\FIPT3$!.!VU+:
M/7"I>GU"CE3W<:*L'39NF)E_S):'R)=O(*5ODQ%(^?.\5"1YV%+U6HPL]"G33>5.
[H"#'6 M'A#VU/QDSM?)KS)*[I&)WVWE'TZ4'C-;?
*/\V]QVO/^WKY&)U6WE+@Z4'BU M=[5UBY&=_C:=>_^:B=UMI3.>E9
M17XU+*@<]]NY,F6TIE=116194N9NC*VN^#.\?]M\EL7[U6LC.W)&+]'ZXU
M.9K/;G]RK]+MW^ZDQ%826'O%4]W;V?"\3]U^6S_825TM):#VB:5VA]KL4&6.
M"BELV_H;20XB\RU>SAASHIJ*4LSS8Q5'=")B>72MY^HY,^6LK! M;##?
1IGWR>HXM%Z5MI0F:;!,=3+ ^%1R7-6%OXLQ/A\MKF$)UJL]_OI,26TJ
M=!=9]7,I##-==L0Q_7'/7:GKY^>^WDFS+>5".@NL]K$VGHU_&:=Y?D)4K/YX
MQS<[O0EH*2ORC'"J5Q##]>#8$87Z=VCPO MX]-D-/3#./LTG?
C'E)\XBF#/,D7F$G1EH\"0@MU+/<''D5U_G__^2?V)UY\/ M#S_]*DR^SV-X-[)798C?^?
6*77,[Z^UQ@^..\JK>=WH;G1\F\S6I9 M7^&RW8I*"23A KU D=)"VTBE(&!O5:U6*V?
&25QFQK.VAY#[Z_7>./EZ??3I^=O3Q='AR?/2\VQ4G)JER57@Q586RTJM4 MC!?
BB[$W^E:*49&(;A<+KD?7GTZ/4U44VDW4S':MRDPBO3;%7;]WM!W&GQUM M\|
[/CMZ>GWP5XVEB,F/?;,QGVJL-O#X9_29DIJ?%FXT$ARJ[?.G\(E-O-G)I
MI[KH9FKB#_HJ/YSKU,\.^KW=W<.-@/?^M;.0UH6SN6,DUU,>UZ4QX,
ML",=.#K[()Q-WFQ\9[,-X;6G35RF4]7?$ SGS0;AV1 SI:[M1C..C M]^>?
KX73OV,1YD<,$U/X+KT\Z)?^D#DYB)2(G_J\,]-"W>&?+8UE8>JA\T*)

*MW[2C5R=6WZIZX#/F)3<=<384O?[^7J\[Z.W^6H]N[O9>OQ)[N[WN#EAI3IK(MN_88GF9L/I]O)8P$_W(A3N]F>]R]Z/>V^C1^)FTR$X/]CACT!K_0FQ/6@W@/ M10CQ]V&:6N79XL2FMV![\'=|SYV012I$8HI4!T%D668ZD>,,$TR0*3?0X\2"X[<*"UTJ MZ0R[R&@M)MT[#_*D48Y41@O$JO@]T+2:=[*()7*R\PLB(B.&$-LI_%B(9Q2 M-X[VQMR)MCD#;J&$64.WI;(0!\:W1-IXUY;X2B\|'%T1J0Z?O$@) *"Y:OR-M:,6ZL"Q1NO1!1N(9P"2@@.04IY8+>N$;F3J":2-,!G\L2P2]J"+1$!8\"%*A MCC9A)A/,"4NWX"$)V-0%XM/O*NWP>7,-.QFSA XAP)(5%.+E7UX/!KU#Z7F< MO_4/1:1,*0+UT!"8_XMH@3#5*U5H8^&3./4"]H[M"V;^/2 0%#@.\"6>G/4$ M_!R(86EU)@:#I>-\72*T"J<0:]CWTHS%%[R5)\BJP?B/5&2)@N:]V(JZKD MC? ,-3 =B"]*S.2MJDT#!,RUGRV'VX;>WD?96\C%A@)7N85LD4XLA0+A61D\ M7$ 37DUK1UE:2]M7G_"?KZL**E0#3*A4G@+O= P3B"H9":"(3%V6*JI5_.I M)" (9OY]94TUG9"@/;)>>*SB^GF#S+%NL6DD4M<;0K$32R\R.+:ZO(@>/P2X 0&1X#)25@V5QJPR=]YCBZ2K$KIA3!6PR C>HS/:&]2 M'07O::53EB:2Q80[N%J8'XF 4]70KN$=L!2[@$VFR/'3@Z6/1 O6^;BRCJ+? M;1S3Z2Y#.3 MI>*#,:E;A0-#T\X'/9(.*-(N%\:(Y_'5Q?B/K)54UM($I@FX:!;9<#B2BBME,5" M(%[24S]3393F49[;? DEBFM8S84UN!B$WBQOUL[$6<([+F2 M+N6==Z>+6<#1#=LJUIY@2C&25(J6)O((L\+5F8Z*;PB,U# M!'/D44#@5&,9*'2@R ZCKY>VX+06KUF]BL.;"DX]IH^LA>L9Z42*#U6! !Q* M'$X#I-=_5>3I7))P@$2.?:%3S1LT.F M0"5#%,60W7*-.A:64G. [&W%0Q1K"&>>V.B!=JE(&U,.I5>$DZ5$LS*@>='6# M,]P2[RM+A6>']GJ^3\A@K?/2+_GXH0::51 STBBX 3%$1 M.0$1)/FCI#S&RIJ^++1LSZG S(RY(>A4\L2.H6ZH0C]$C1BJ&.06I,V%"%4A MH>=8Q&)/J8GAJ,E]!Y;-C[T//:?3:'^A'_&H$IE6%*K6-8D<9ILM2RAYJKS\+V)JN&T8;RAO$/F2PT1 M)PZ8^)P3@E6^LI' IN,#A\Y0.>>HO&:3B6F.&%AIPL4_'WW$'WQ6]_M9SY^8 M2G9^9BK9>9A*=O[/4DD=(&CT\O1B^/7L%,(-/UR>GO*G=8:TS_&,BU_&R@W]X[&X#L8K<%M8:B@SV6R?=IQWO-212"M 6'^"NGJ75) MNFY8ZD2])6 $? #L0>O#1#V$5N5+A/#UBI>Z1[/)'IG"\JO>FTVF@4X]2^=?B#$K.* MK\30\>C2=416Y25ZE7QI8>'B$9T0W9?$_G")JE7>_"#GT3@]3!^Q9K,_>(4S M"C]CX5>OM]80__O6&L@;^$&W6:@TW$F:N6@;P(,24V ,%5CFCAB]>))'-2!?OC^B6 MP!2J.Y/99'FTS WXV$1SC-W3VMQX(>P6Q&22^GVY6+T2/N358YE124C+5U86 MZ FI]Z0HC*YP+T:BX&Z/[LF5R&C2LG"(R TG]^-4O2[ML%TSD0.0\3>V3P63 ML85: <#CK[Q^*B0IKXO4$JK]DZ0Q 5ZK&OFW2(9;&VNOA5NPAM:>B4S:)EO75 MXQ-G;%&S)&/HZ@231&G+9/%UC+PAD6I/-'0K Y,"(R%[KL>K(J4&<;>K6]P M_AECP0)3RG,&G4&J78*BD,^-FV7DWP7=B[/R=9ZKE.2 ;Z15N!/$87)9)/)% MXKJB'\= XW/*/B;5$]HP9!Q?\14!3$#Z+KO"\H:<')3Q8Q9?=DD?)%E_0/B9 M(A@UI7IO*[Z(3Y=#LLF88;/H>N'ZOU)Q;3P^7-\0F:W;1/)Y@C4)$>X!O!%Z M#ZHCFK@!!!PM>&DG*!_[TG^Z.TXDHFU'R/"+$2NAI87F-X*M/[WJO?>/?KKE M7W+II^)_ U!+ 0(4 Q0 ("8U 5DR8_HWV@<)$L ; M " 0 !A-C,P,C R-"TQ,'%X97AH:6)I=#,Q,2YH=&U02P$"% ,4 M" F-0%95N&9K.,' "H+ &P @ $3" 838S,#(P,C0M M,3!Q>&5X:&EB:70S,3(N:'1M4$L! A0#% @)C4!604C?U\1!0 CQT M !L (!+Q &$V,S R,#(T+3$P<7AE>&AI8FET,S(Q+FAT M;5!+ 0(4 Q0 ("8U 5FBR3B$*P4 &P= ; " 7D5 M !A-C,P,C R-"TQ,'%X97AH:6)I=#,R,BYH=&U02P$"% ,4 " F-0%9 MVY01&)4V 0 '@Q0 $0 @ '=&@ 8V=N>"TR,#(T,#8S,"YH M=&U02P$"% ,4 " F-0%9^::>8>D2 !CU $0 @ &A M40$ 8V=N>"TR,#(T,#8S,"YX4AYLA O M5 $ %0 @ &Y9 $ 8V=N>"TR,#(T,#8S,%]C86PN>&UL4$L! M A0#% @)C4!681"I=?:3P "K # !4 (!AX8! &-G M;G@M,C R-# V,S!?9&5F+GAM;%!+ 0(4 Q0 ("8U 5G?NI.<]2,! "=@ M"P 5 " 936 0!C9VYX+3(P,C0P-C,P7VQA8BYX;6Q02P$" M% ,4 " F-0%935M&T%FC "TR,#(T,#8S,%]P&UL4$L! A0#% @)C4!67UBG$N<"@ ,1X M !P (!2)X# &1E;FYI XML 104 cgnx-20240630_htm.xml IDEA: XBRL DOCUMENT 0000851205 2024-01-012024-06-30 0000851205 2024-06-30 0000851205 2024-04-012024-06-30 0000851205 2023-04-032023-07-02 0000851205 2023-01-012023-07-02 0000851205 2023-12-31 0000851205 2022-12-31 0000851205 2023-07-02 0000851205 us-gaap:CommonStockMember 2024-03-31 0000851205 us-gaap:AdditionalPaidInCapitalMember 2024-03-31 0000851205 us-gaap:RetainedEarningsMember 2024-03-31 0000851205 us-gaap:AccumulatedOtherComprehensiveIncomeMember 2024-03-31 0000851205*

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*0000851205 us-gaap:DomesticCountryMember 2024-01-012024-06-30 0000851205 us-gaap:EmployeeStockOptionMember 2024-04-012024-06-30 0000851205 us-gaap:EmployeeStockOptionMember 2024-01-012024-06-30 0000851205 us-gaap:EmployeeStockOptionMember 2023-04-032023-07-02 0000851205 us-gaap:EmployeeStockOptionMember 2023-01-012023-07-02 0000851205 us-gaap:RestrictedStockMember 2024-04-012024-06-30 0000851205 us-gaap:RestrictedStockMember 2024-01-012024-06-30 0000851205 us-gaap:RestrictedStockMember 2023-04-032023-07-02 0000851205 us-gaap:RestrictedStockMember 2023-01-012023-07-02 0000851205 us-gaap:PerformanceSharesMember 2024-04-012024-06-30 0000851205 us-gaap:PerformanceSharesMember 2023-01-012023-07-02 0000851205 us-gaap:PerformanceSharesMember 2024-01-012024-06-30 0000851205 us-gaap:PerformanceSharesMember 2023-04-032023-07-02 0000851205 us-gaap:FireMember 2023-04-032023-07-02 0000851205 cgnx:MoritexCorporationMember 2023-10-18 0000851205 cgnx:MoritexCorporationMember 2023-10-182023-10-18 0000851205 cgnx:MoritexCorporationMember 2024-01-012024-03-31 0000851205 us-gaap:SubsequentEventMember 2024-07-312024-07-31 0000851205 cgnx:CarlGerstMember 2024-04-012024-06-30 0000851205 cgnx:CarlGerstMembercgnx:CarlGerstRuleTradingArrangementCommonStockSaleM 2024-06-30 shares iso4217:USD iso4217:USD shares cgnx:terminationOptions cgnx:extension_option cgnx:lease_component utr:sqft pure iso4217:SGD iso4217:EUR iso4217:CNY iso4217:MXN iso4217:HUF iso4217:GBP iso4217:JPY iso4217:CHF iso4217:CAD cgnx:group2024-06-300000851205--12-31202402falseP4YP3YP3Y10-Qtruefalse001-34218COGNEX CORPMA04-2713778One Vision DriveNatickMA01760508650-3000Common Stock, par value $.002 per shareCGNXNASDAQYesYesLarge Accelerated Filerfalsefalsefalse1715008352392920002425120004500890004436360007269300025000000-250000038457000651750005266100087336000-181000-1605000-135000-12110003116000409500062360007682000176000112000372000185000415680006584000453000127400010200000-170600013790003720000-100000-800001030000-170600013870003720000-10247000-2866000-26403000-3225000-10247000-2866000-26403000-3225000-9217000-4572000-250160004950002699500052902000232180008358400017662600020265500011410.0.010.0140000040000000000000.0020.00230000000030000000001715010001715010070352000-45336000150673000015047520002004084000201781200048234000830890000262656200-1200000-800007538000141580004778400024420000527000-104000-1145000498100065900005289000278600-9890006234000-9219000-14305000-136840009374000316000-3908000-234700041406000574020002698600009406000026609000011576100085710001021378500011494000-187100026550001987900049163000257560002416000047506000-70668000-6144000-2117000-26029000-388900020265500018137400017662600017748500017166200034300010476430006113500014891890008100009900009900002420000105400001054000012964000110000-10000-10247000-10247000171501000343000106159700051514200070352000150673000017260100034500099269000051752600064230000144633100017900010005709000571000048700010002498400024985000584000-1706000-1706000-2866000-28660001722930003450001010973000537947000-688020001480463000171599000343000103720200051254300045336000150475200037500018710001871000473000019879000198790002626600026266000015025756000257560004800-8000-26403000-26403000171501000343000106159700051514200070352000150673000017263100034500097916700052817900069297000143839400062800020002653000265500096600020004916100049163000322500003225000172293000345000101097300053794700

6880200014804630000Summary of Significant Accounting Policies As permitted by the rules of the Securities and Exchange Commission applicable to Quarterly Reports on Form 10-Q, these notes are condensed and do not contain all disclosures required by generally accepted accounting principles (GAAP). Reference should be made to the consolidated financial statements and related notes included in the Company's Annual Report on Form 10-K for the year ended December 31, 2023 for a full description of other significant accounting policies. In the opinion of the management of Cognex Corporation (the "Company"), the accompanying consolidated unaudited financial statements contain all adjustments, consisting of normal, recurring adjustments, adjustments related to losses and recoveries from the fire at the Company's primary contract manufacturer (Note 17), and financial statement reclassifications necessary to present fairly the Company's financial position as of June 30, 2024, and the results of its operations for the three-month and six-month periods ended June 30, 2024 and July 2, 2023, and changes in shareholders' equity, comprehensive income, and cash flows for the periods presented. The results disclosed in the Consolidated Statements of Operations for the three-month and six-month periods ended June 30, 2024 are not necessarily indicative of the results to be expected for the full year. New Pronouncements Accounting Standards Update (ASU) 2023-09, "Income Taxes (Topic 740): Improvements to Income Tax Disclosures" The amendments in this ASU apply to all entities that are subject to Topic 740, Income Taxes. The amendments require public business entities to disclose specific categories in their rate reconciliation and provide additional information for reconciling items that meet a quantitative threshold. They also require all entities to disclose income taxes paid, net of refunds received, disaggregated by federal, state, and foreign taxes and by individual jurisdictions in which income taxes paid, net of refunds received, are equal to or greater than five percent of total income taxes paid. For public business entities, the amendments in this ASU are effective for annual periods beginning after December 15, 2024. The amendments in this ASU should be applied on a prospective basis. Management does not expect ASU 2023-09 to have a material impact on the Company's financial statements and disclosures. Accounting Standards Update (ASU) 2023-07, "Segment Reporting (Topic 280): Improvements to Reportable Segment Disclosures" The amendments in this ASU apply to all public entities, including public entities with a single reportable segment, that are required to report segment information in accordance with Topic 280, Segment Reporting. The amendments require public business entities to provide in interim and annual periods one or more measures of segment profit or loss used by the chief operating decision maker to allocate resources and assess performance. Additionally, the amendments require disclosure of significant segment expenses and other segment items, as well as incremental qualitative disclosures. The amendments in this ASU are effective for fiscal years beginning

after December 15, 2023 and interim periods within fiscal years beginning after December 15, 2024. The amendments in the ASU should be applied on a retrospective basis. We did not early adopt ASU 2023-07. Management does not expect ASU 2023-07 to have a material impact on the Company's financial statements and disclosures. New Pronouncements Accounting Standards Update (ASU) 2023-09, "Income Taxes (Topic 740): Improvements to Income Tax Disclosures" The amendments in this ASU apply to all entities that are subject to Topic 740, Income Taxes. The amendments require public business entities to disclose specific categories in their rate reconciliation and provide additional information for reconciling items that meet a quantitative threshold. They also require all entities to disclose income taxes paid, net of refunds received, disaggregated by federal, state, and foreign taxes and by individual jurisdictions in which income taxes paid, net of refunds received, are equal to or greater than five percent of total income taxes paid. For public business entities, the amendments in this ASU are effective for annual periods beginning after December 15, 2024. The amendments in this ASU should be applied on a prospective basis. Management does not expect ASU 2023-09 to have a material impact on the Company's financial statements and disclosures. Accounting Standards Update (ASU) 2023-07, "Segment Reporting (Topic 280): Improvements to Reportable Segment Disclosures" The amendments in this ASU apply to all public entities, including public entities with a single reportable segment, that are required to report segment information in accordance with Topic 280, Segment Reporting. The amendments require public business entities to provide in interim and annual periods one or more measures of segment profit or loss used by the chief operating decision maker to allocate resources and assess performance. Additionally, the amendments require disclosure of significant segment expenses and other segment items, as well as incremental qualitative disclosures. The amendments in this ASU are effective for fiscal years beginning after December 15, 2023 and interim periods within fiscal years beginning after December 15, 2024. The amendments in the ASU should be applied on a retrospective basis. We did not early adopt ASU 2023-07. Management does not expect ASU 2023-07 to have a material impact on the Company's financial statements and disclosures. Fair Value Measurements Financial Assets and Liabilities that are Measured at Fair Value on a Recurring Basis The following table summarizes the financial assets and liabilities required to be measured at fair value on a recurring basis as of June 30, 2024 (in thousands): <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:99.853%"><tr><td style="width:1.0%"></td><td style="width:49.998%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:14.712%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.532%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:14.712%"></td><td style="width:0.1%"></td><td

***style="width:0.1%"></td><td style="width:0.532%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:14.714%"></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">Quoted Prices in
Active Markets
for Identical
Assets (Level 1)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Significant Other
Observable
Inputs (Level 2)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Unobservable Inputs (Level 3)</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Assets:</td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 19pt;text-align:left;vertical-align:top">Money market instruments</td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">583 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">— </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">— </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:#cceeff;padding:2px 1pt 2px 19pt;text-align:left;vertical-align:top">Corporate bonds</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td***

style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">316,342 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;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 19pt;text-align:left;vertical-align:top">Treasury notes</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </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">45,042 </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">— </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:#cceeff;padding:2px 1pt 2px 19pt;text-align:left;vertical-align:top">Treasury bills</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">26,394 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;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 19pt;text-align:left;vertical-align:top">Asset-backed securities</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </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">15,304 </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">— </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:#cceeff;padding:2px 1pt 2px 19pt;text-align:left;vertical-align:top">Certificate of deposit</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">7,601 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;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><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><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 19pt;text-align:left;vertical-align:top">Sovereign bonds</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </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">1,975 </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">— </td><td style="background-color:#ffffff;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="display:none"></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><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><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><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><tr style="height:15pt"><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 19pt;text-align:left;vertical-align:top">Economic hedge forward contracts</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </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">57 </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">— </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:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Liabilities:</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></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><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 19pt;text-align:left;vertical-align:top"><span style="color:#000000;font-family:'Arial',sans-serif;font-

size:10pt;font-weight:400;line-height:100%">Economic hedge forward contracts</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </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">152 </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">— </td><td style="background-color:#ffffff;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></tr></table> The Company’s money market instruments are reported at fair value based upon the daily market price for identical assets in active markets, and are therefore classified as Level 1. The Company’s debt securities and forward contracts are reported at fair value based on model-driven valuations in which all significant inputs are observable or can be derived from or corroborated by observable market data for substantially the full term of the asset or liability, and are therefore classified as Level 2. Management is responsible for estimating the fair value of these financial assets and liabilities, and in doing so, considers valuations provided by a large, third-party pricing service. For debt securities, this service maintains regular contact with market makers, brokers, dealers, and analysts to gather information on market movement, direction, trends, and other specific data. They use this information to structure yield curves for various types of debt securities and arrive at the daily valuations. The Company's forward contracts are typically traded or executed in over-the-counter markets with a high degree of pricing transparency. The market participants are generally large commercial banks. Non-financial Assets that are Measured at Fair Value on a Non-recurring Basis Non-financial assets, such as property, plant and equipment, operating lease assets, goodwill, and intangible assets, are required to be measured at fair value only when an impairment loss is recognized. The Company did not record impairment charges related to non-financial assets during the three-month or six-month periods ended June 30, 2024 or July 2, 2023. The following table summarizes the financial assets and liabilities required to be measured at fair value on a recurring basis as of June 30, 2024 (in thousands): <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:99.853%"><tr><td style="width:1.0%"></td><td

*style="width:49.998%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:14.712%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.532%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:14.712%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.532%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:14.714%"></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">Quoted Prices in
Active Markets
for Identical
Assets (Level 1)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Significant Other
Observable
Inputs (Level 2)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Unobservable Inputs (Level 3)</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Assets:</td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 19pt;text-align:left;vertical-align:top">Money market instruments</td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">583 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">— </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">— </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:#cceeff;padding:2px 1pt 2px 19pt;text-align:left;vertical-align:top">Corporate bonds</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">316,342 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;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 19pt;text-align:left;vertical-align:top">Treasury notes</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </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">45,042 </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">— </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:#cceeff;padding:2px 1pt 2px 19pt;text-align:left;vertical-align:top">Treasury bills</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">26,394 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;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 19pt;text-align:left;vertical-

align:top">Asset-backed securities</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </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">15,304 </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">— </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:#cceeff;padding:2px 1pt 2px 19pt;text-align:left;vertical-align:top">Certificate of deposit</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">7,601 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;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><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><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 19pt;text-align:left;vertical-align:top">Sovereign bonds</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </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">1,975 </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">— </td><td style="background-color:#ffffff;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="display:none"></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><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><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><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><tr style="height:15pt"><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 19pt;text-align:left;vertical-align:top">Economic hedge forward contracts</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </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">57 </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">— </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:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Liabilities:</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></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><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 19pt;text-align:left;vertical-align:top">Economic hedge forward contracts</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </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">152 </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">— </td><td style="background-color:#ffffff;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></tr></table> 5830000003163420000045042000002639400000153040000076010000019

Cash Equivalents, and Investments

Cash, cash equivalents, and investments consisted of the following (in thousands): <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:61.911%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:17.028%"></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:17.031%"></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">June 30, 2024</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">December 31, 2023</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:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Cash</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom"><span

style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:700;line-height:100%">141,508 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">183,242 </td><td style="background-color:#cceeff;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:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Treasury bills</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">26,934 </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">— </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:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Certificate of deposit</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">7,601 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;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></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Money market instruments</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">583 </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">19,413 </td><td style="background-color:#ffffff;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></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 19pt;text-align:left;vertical-align:top">Cash and cash equivalents</td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">176,626 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">202,655 </td><td style="background-color:#cceeff;border-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;text-align:left;vertical-align:top">Corporate bonds</td><td colspan="2" style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">103,654 </td><td style="background-color:#ffffff;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 colspan="2" style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">124,851 </td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Asset-backed securities</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">5,346 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3,551 </td><td style="background-color:#cceeff;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:top">Treasury notes

</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">2,449 </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">
— </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:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Sovereign bonds</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1,000 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">990 </td><td style="background-color:#cceeff;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></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="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="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 19pt;text-align:left;vertical-align:top">Current investments</td><td colspan="2" style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">112,449 </td><td style="background-color:#ffffff;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 colspan="2" style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">129,392 </td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Corporate bonds</td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-

align:right;vertical-align:bottom">212,688 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">183,965 </td><td style="background-color:#cceeff;border-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;text-align:left;vertical-align:top">Treasury notes</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">42,593 </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">43,523 </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:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Asset-backed securities</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">9,958 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">15,763 </td><td style="background-color:#cceeff;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></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Sovereign bonds</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">975 </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"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:400;line-

height:100%">979 </td><td style="background-color:#ffffff;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></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="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:#cceeff;padding:2px 1pt 2px 19pt;text-align:left;vertical-align:top">Non-current investments</td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">266,214 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">244,230 </td><td style="background-color:#cceeff;border-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:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:3pt double #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:3pt double #000000;padding:2px 0;text-align:right;vertical-align:bottom">555,289 </td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:3pt double #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:3pt double #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:3pt double #000000;padding:2px 0;text-align:right;vertical-align:bottom">576,277 </td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:3pt double #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> Corporate bonds consist of debt securities issued by both domestic and foreign companies; asset-backed securities consist of debt securities collateralized by pools of receivables or loans with credit enhancement; treasury

***notes consist of debt securities issued by the U.S. government; and sovereign bonds consist of direct debt issued by foreign governments. All of the Company's securities as of June 30, 2024 and December 31, 2023 were denominated in U.S. Dollars. Accrued interest receivable is recorded in "Prepaid expenses and other current assets" on the Consolidated Balance Sheets and amounted to $4,383,000 and $3,169,000 as of June 30, 2024 and December 31, 2023, respectively. The following table summarizes the Company's available-for-sale investments as of June 30, 2024 (in thousands): <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:42.741%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.536%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.533%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.243%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.533%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.389%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.533%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.392%"></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">Amortized
Cost</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Gross
Unrealized
Gains</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Gross
Unrealized
Losses</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Fair Value</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Current:</td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 19pt;text-align:left;vertical-align:top">Corporate bonds</td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-***

align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">105,250 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">— </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">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">(1,596) </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">103,654 </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:#cceeff;padding:2px 1pt 2px 19pt;text-align:left;vertical-align:top">Asset-backed securities</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">5,426 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(80)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">5,346 </td><td style="background-color:#cceeff;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="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 19pt;text-align:left;vertical-align:top">Treasury notes</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">2,500 </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="3" style="background-color:#ffffff;padding:0 1pt"></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">(51) </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">2,449 </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:#cceeff;padding:2px 1pt 2px 19pt;text-align:left;vertical-align:top">Sovereign bonds</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1,001 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">
— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(1)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1,000 </td><td style="background-color:#cceeff;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="display:none"></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="display:none"></td><td colspan="3"

style="display:none"></td><td colspan="3" style="display:none"></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="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Non-current:</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 19pt;text-align:left;vertical-align:top">Corporate bonds</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">217,537 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">73 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(4,922)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">212,688 </td><td style="background-color:#cceeff;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 19pt;text-align:left;vertical-align:top">Treasury notes</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">43,362 </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">— </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"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-

weight:400;line-height:100%">(769)</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">42,593 </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:#cceeff;padding:2px 1pt 2px 19pt;text-align:left;vertical-align:top">Asset-backed securities</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">10,689 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(731)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">9,958 </td><td style="background-color:#cceeff;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="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></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="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 19pt;text-align:left;vertical-align:top">Sovereign bonds</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1,025 </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">— </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">(50)</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">975 </td><td style="background-color:#ffffff;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="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">386,790 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">73 </td><td style="background-color:#cceeff;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:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">(8,200)</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:700;line-height:100%">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-

*weight:700;line-height:100%">378,663 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> The following table summarizes the Company's available-for-sale investments as of December 31, 2023 (in thousands): <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:42.741%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.536%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.533%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.243%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.533%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.389%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.533%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.392%"></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">Amortized
Cost</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Gross
Unrealized
Gains</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Gross
Unrealized
Losses</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Fair Value</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Current:</td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 19pt;text-align:left;vertical-align:top">Corporate bonds</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"><span style="color:#000000;font-family:'Arial',sans-serif;font-*

*size:10pt;font-weight:400;line-height:100%">128,150 </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">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">
— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">(3,299) </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:'Arial',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">124,851 </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:#cceeff;padding:2px 1pt 2px 19pt;text-align:left;vertical-align:top">Asset-backed securities</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3,637 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">
— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(86)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3,551 </td><td style="background-color:#cceeff;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="display:none"></td><td colspan="3" style="display:none"></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="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></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="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 19pt;text-align:left;vertical-align:top">Sovereign bonds</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1,012 </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">— </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">(22)</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">990 </td><td style="background-color:#ffffff;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="display:none"></td><td colspan="3" style="display:none"></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="display:none"></td><td colspan="3" style="display:none"></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="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Non-current:</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td

colspan="3" style="background-color:#ccceff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 19pt;text-align:left;vertical-align:top">Corporate bonds</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">189,326 </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">506 </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">(5,867)</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">183,965 </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:#cceeff;padding:2px 1pt 2px 19pt;text-align:left;vertical-align:top">Treasury notes</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">43,654 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">82 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(213)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">43,523 </td><td style="background-color:#cceeff;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 19pt;text-align:left;vertical-align:top">Asset-backed securities</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">16,773 </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">— </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">(1,010)</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">15,763 </td><td style="background-color:#ffffff;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="display:none"></td><td colspan="3" style="display:none"></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="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 19pt;text-align:left;vertical-align:top">Sovereign bonds</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1,037 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(58)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">979 </td><td style="background-color:#cceeff;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="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><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 #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">383,589 </td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">588 </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><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 #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">(10,555)</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:700;line-height:100%">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">373,622 </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> The following table summarizes the Company’s gross unrealized losses and fair values for available-for-sale investments in an unrealized loss position as of June 30, 2024 (in thousands): <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:30.711%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:9.651%"></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:9.651%"></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:9.651%"></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:9.651%"></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:9.651%"></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:9.654%"></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">Unrealized Loss Position For:</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:left;vertical-align:bottom"> </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">Less than 12 Months</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">12 Months or Greater</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Total</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">Fair Value</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">Unrealized
Losses</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">Fair Value</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">Unrealized
Losses</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"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:9pt;font-***

***weight:700;line-height:100%">Fair Value</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">Unrealized
Losses</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Corporate bonds</td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">93,328 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">(962)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">203,251 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">(5,556)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">296,579 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">(6,518)</td><td style="background-color:#cceeff;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="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="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Treasury notes</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">22,107 </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">(284) </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">22,936 </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">(536) </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">45,043 </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">(820) </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:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Asset-backed securities</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">9,599 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(716) </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-

color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">5,705 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(95) </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">15,304 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(811) </td><td style="background-color:#cceeff;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="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="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="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="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Sovereign bonds</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </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">— </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">1,974 </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">(51)

*</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">1,974 </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">(51) </td><td style="background-color:#ffffff;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">

colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">233,866 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">(6,238)</td><td style="background-color:#cceeff;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:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">358,900 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:700;line-height:100%">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">(8,200)</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> The following table summarizes the Company’s gross unrealized losses and fair values for available-for-sale investments in an unrealized loss position as of December 31, 2023 (in thousands): <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:30.711%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:9.651%"></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:9.651%"></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:9.651%"></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:9.651%"></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:9.651%"></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:9.654%"></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">Unrealized Loss Position For:</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:left;vertical-align:bottom"> </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">Less than 12 Months</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">12 Months or Greater</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Total</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">Fair Value</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">Unrealized
Losses</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">Fair Value</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">Unrealized
Losses</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">Fair Value</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">Unrealized
Losses</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Corporate bonds</td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">30,770 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">(359)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">226,643 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">(8,807)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">257,413 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">(9,166)</td><td style="background-color:#cceeff;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:top"><span*

style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:400;line-height:100%">Treasury notes</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">20,725 </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">(153) </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">2,441 </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">(60) </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">23,166 </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">(213) </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:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Asset-backed securities</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">17,062 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(1,049) </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">2,252 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(47) </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-

align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">19,314 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(1,096) </td><td style="background-color:#cceeff;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="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="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="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="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Sovereign bonds</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </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">— </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">1,968 </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">(80) </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">1,968 </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">(80)</td><td style="background-color:#ffffff;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="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="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></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="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="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></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="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="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td style="background-color:#ccceff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ccceff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">68,557 </td><td style="background-color:#ccceff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td style="background-color:#ccceff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ccceff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">(1,561)</td><td style="background-color:#ccceff;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:#ccceff;padding:0 1pt"></td><td style="background-color:#ccceff;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:#ccceff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">233,304<span style="color:#000000;font-

family:'Arial',sans-serif;font-size:10pt;font-weight:400;line-height:100%"> </td><td style="background-color:#cceeff;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:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">(8,994)</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:700;line-height:100%">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">301,861 </td><td style="background-color:#cceeff;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:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;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:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">(10,555)</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:99.415%"><tr><td style="width:1.0%"></td><td style="width:79.341%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:18.459%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr style="height:3pt"><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td></tr></table> Management monitors debt securities that are in an unrealized loss position to determine whether a loss exists related to the credit quality of the issuer. When developing an estimate of expected credit losses, management considers all relevant information including historical experience,

current conditions, and reasonable forecasts of expected future cash flows. Based on this evaluation, no allowance for credit losses on debt securities was recorded as of June 30, 2024 or December 31, 2023. Management currently intends to hold these securities to full value recovery at maturity. The following table summarizes the Company's gross realized gains and losses on the sale of debt securities for the three-month periods ended June 30, 2024 and July 2, 2023 (in thousands): <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:35.888%"></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:14.104%"></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:14.104%"></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:13.519%"></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:13.525%"></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="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Three-months Ended</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Six-months Ended</td></tr><tr><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">June 30, 2024</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">July 2, 2023</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">June 30, 2024</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">July 2, 2023</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Gross realized gains</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">6<span style="color:#000000;font-

family:'Arial',sans-serif;font-size:10pt;font-weight:400;line-height:100%"> </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:700;line-height:100%">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">8 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;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:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Gross realized losses</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">(16)</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">— </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">(16)</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">— </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:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Net realized gains (losses)</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">(10)</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;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:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">(8)</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> Realized gains and losses are included in "Investment income" on the Consolidated Statements of Operations. Prior to the sale of these securities, unrealized gains and losses for these debt securities, net of tax, were recorded in shareholders' equity as accumulated other comprehensive income (loss). The following table presents the effective maturity dates of the Company's available-

for-sale investments as of June 30, 2024 (in thousands): <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:25.361%"></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:0.530%"></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:0.530%"></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:0.530%"></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:0.530%"></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:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:9.289%"></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"><1 year</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">1-2 Years</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">2-3 Years</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">3-4 Years</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">4-5 Years</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">5-8 Years</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Total</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Corporate bonds</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-

weight:400;line-height:100%">103,654 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">59,638 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">57,273 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">61,410 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">34,367 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-

weight:400;line-height:100%">316,342 </td><td style="background-color:#cceeff;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:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Treasury notes</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">2,449 </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">987 </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">18,909 </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">22,697 </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">— </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="3" style="background-color:#ffffff;padding:0 1pt"></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">45,042 </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:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Asset-backed securities</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">5,346 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">4,060 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">

*— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">2,162 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3,736 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">15,304 </td><td style="background-color:#cceeff;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">

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;text-align:left;vertical-align:top"><span style="color:#000000;font-
family:'Arial',sans-serif;font-size:10pt;font-weight:400;line-
height:100%">Sovereign bonds</td><td colspan="2" style="background-
color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom"><span
style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-
weight:400;line-height:100%">1,000 </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"><span style="color:#000000;font-
family:'Arial',sans-serif;font-size:10pt;font-weight:400;line-
height:100%">975 </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"><span style="color:#000000;font-family:'Arial',sans-serif;font-
size:10pt;font-weight:400;line-height:100%">— </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"><span style="color:#000000;font-
family:'Arial',sans-serif;font-size:10pt;font-weight:400;line-height:100%">
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color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom"><span
style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-
weight:400;line-height:100%">— </td><td style="background-
color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td>
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colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-
align:right;vertical-align:bottom"><span style="color:#000000;font-
family:'Arial',sans-serif;font-size:10pt;font-weight:400;line-height:100%">
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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"><span
style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-
weight:400;line-height:100%">1,975 </td><td style="background-
color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td>
</tr><tr><td colspan="3" style="display:none"></td><td colspan="3"
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colspan="3" style="display:none"></td><td colspan="3" style="display:none"></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="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="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">112,449 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">65,660 </td><td style="background-color:#cceeff;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:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">76,182 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">84,107 </td><td style="background-color:#cceeff;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:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">36,529 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:700;line-height:100%">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">3,736 </td><td style="background-color:#cceeff;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:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;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:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">378,663 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> Cash, cash equivalents, and investments consisted of the following (in thousands): <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:61.911%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:17.028%"></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:17.031%"></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">June 30, 2024</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">December 31, 2023</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:#cceeff;padding:2px 1pt;text-align:left;vertical-

align:top">Cash</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">141,508 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">183,242 </td><td style="background-color:#cceeff;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:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Treasury bills</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">26,934 </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">— </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:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Certificate of deposit</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">7,601 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;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></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Money market instruments</td><td colspan="2" style="background-

color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">583 </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">19,413 </td><td style="background-color:#ffffff;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></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 19pt;text-align:left;vertical-align:top">Cash and cash equivalents</td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">176,626 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">202,655 </td><td style="background-color:#cceeff;border-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;text-align:left;vertical-align:top">Corporate bonds</td><td colspan="2" style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">103,654 </td><td style="background-color:#ffffff;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 colspan="2" style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">124,851 </td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Asset-backed securities</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">5,346 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-

color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3,551 </td><td style="background-color:#cceeff;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:top">Treasury notes</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">2,449 </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">— </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:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Sovereign bonds</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1,000 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">990 </td><td style="background-color:#cceeff;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></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="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="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 19pt;text-align:left;vertical-align:top">Current investments</td><td colspan="2" style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">112,449 </td><td style="background-color:#ffffff;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 colspan="2" style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:400;line-

height:100%">129,392 </td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Corporate bonds</td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">212,688 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">183,965 </td><td style="background-color:#cceeff;border-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;text-align:left;vertical-align:top">Treasury notes</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">42,593 </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">43,523 </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:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Asset-backed securities</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">9,958 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">15,763 </td><td style="background-color:#cceeff;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></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Sovereign bonds</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">975<span

style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:400;line-height:100%"> </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">979 </td><td style="background-color:#ffffff;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></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="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="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:#cceeff;padding:2px 1pt 2px 19pt;text-align:left;vertical-align:top">Non-current investments</td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">266,214 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">244,230 </td><td style="background-color:#cceeff;border-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:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:3pt double #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:3pt double #000000;padding:2px 0;text-align:right;vertical-align:bottom">555,289 </td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:3pt double #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:3pt double #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:3pt double #000000;padding:2px 0;text-align:right;vertical-align:bottom">576,277 </td><td style="background-color:#ffffff;border-

*bottom:3pt double #000000;border-top:3pt double #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> 1415080001832420002693400007601000058300019413000176626000202 style="margin-top:6pt;text-align:justify">The following table summarizes the Company's available-for-sale investments as of June 30, 2024 (in thousands): <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:42.741%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.536%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.533%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.243%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.533%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.389%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.533%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.392%"></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">Amortized
Cost</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Gross
Unrealized
Gains</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Gross
Unrealized
Losses</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Fair Value</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Current:</td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 19pt;text-align:left;vertical-align:top">Corporate bonds</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">105,250 </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">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">(1,596) </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">103,654 </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:#cceeff;padding:2px 1pt 2px 19pt;text-align:left;vertical-align:top">Asset-backed securities</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">5,426 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(80)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">5,346 </td><td style="background-color:#cceeff;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="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 19pt;text-align:left;vertical-align:top">Treasury notes

</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">2,500 </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="3" style="background-color:#ffffff;padding:0 1pt"></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">(51) </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">2,449 </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:#cceeff;padding:2px 1pt 2px 19pt;text-align:left;vertical-align:top">Sovereign bonds</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1,001 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">
— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(1)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1,000 </td><td style="background-color:#cceeff;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="display:none"></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="display:none"></td><td colspan="3" style="display:none"></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="display:none"></td><td colspan="3" style="display:none"></td></tr><tr>

<td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Non-current:</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 19pt;text-align:left;vertical-align:top">Corporate bonds</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">217,537 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">73 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(4,922)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">212,688 </td><td style="background-color:#cceeff;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 19pt;text-align:left;vertical-align:top">Treasury notes</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">43,362 </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">— </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">(769)</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"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:400;line-

height:100%">42,593 </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:#cceeff;padding:2px 1pt 2px 19pt;text-align:left;vertical-align:top">Asset-backed securities</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">10,689 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(731)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">9,958 </td><td style="background-color:#cceeff;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="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="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="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 19pt;text-align:left;vertical-align:top">Sovereign bonds</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1,025 </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">— </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">(50)</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">975 </td><td style="background-color:#ffffff;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="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">386,790 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">73 </td><td style="background-color:#cceeff;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:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">(8,200)</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:700;line-height:100%">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">378,663 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> <span style="color:#000000;font-family:'Arial',sans-serif;font-

*size:10pt;font-weight:400;line-height:120%">The following table summarizes the Company's available-for-sale investments as of December 31, 2023 (in thousands): <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:42.741%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.536%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.533%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.243%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.533%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.389%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.533%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.392%"></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">Amortized
Cost</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Gross
Unrealized
Gains</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Gross
Unrealized
Losses</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Fair Value</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Current:</td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 19pt;text-align:left;vertical-align:top">Corporate bonds</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">128,150 </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:'Arial',sans-serif;font-size:10pt;font-weight:400;line-*

height:100%">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">(3,299) </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">124,851 </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:#cceeff;padding:2px 1pt 2px 19pt;text-align:left;vertical-align:top">Asset-backed securities</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3,637 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(86)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3,551 </td><td style="background-color:#cceeff;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="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></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="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></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="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 19pt;text-align:left;vertical-align:top">Sovereign bonds</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1,012 </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">— </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">(22)</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">990 </td><td style="background-color:#ffffff;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="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></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="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="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="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:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Non-current:</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 19pt;text-align:left;vertical-align:top">Corporate bonds</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom"><span style="color:#000000;font-

family:'Arial',sans-serif;font-size:10pt;font-weight:400;line-height:100%">189,326 </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">506 </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">(5,867)</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">183,965 </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:#cceeff;padding:2px 1pt 2px 19pt;text-align:left;vertical-align:top">Treasury notes</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">43,654 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">82 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(213)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">43,523 </td><td style="background-color:#cceeff;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 19pt;text-align:left;vertical-align:top">Asset-backed securities</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">16,773 </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">— </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">(1,010)</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">15,763 </td><td style="background-color:#ffffff;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="display:none"></td><td colspan="3" style="display:none"></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="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 19pt;text-align:left;vertical-align:top">Sovereign bonds</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1,037 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(58)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">979 </td><td style="background-color:#cceeff;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="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><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 #000;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

#000;padding:2px 0;text-align:right;vertical-align:bottom">383,589 </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><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 #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">588 </td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:700;line-height:100%">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">(10,555)</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><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 #000;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 #000;padding:2px 0;text-align:right;vertical-align:bottom">373,622 </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>
* 1052500000159600010365400054260000800005346000250000051000244900010010000010001000000021753700073000492200021268800043362006style="margin-top:6pt;text-align:justify">The following table summarizes the Company’s gross unrealized losses and fair values for available-for-sale investments in an unrealized loss position as of June 30, 2024 (in thousands): <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:30.711%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:9.651%"></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:9.651%"></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:9.651%"></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:9.651%"></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:9.651%"></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:9.654%"></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">Unrealized Loss Position For:
</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9"
style="padding:2px 1pt;text-align:left;vertical-align:bottom"> </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">Less than 12 Months</td><td colspan="3" style="padding:0 1pt"></td><td
colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">
12 Months or Greater</td><td colspan="3"
style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Total</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">Fair Value</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">Unrealized
Losses</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">Fair Value</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">Unrealized
Losses</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">
Fair Value</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"><span style="color:#000000;font-family:'Arial',sans-serif;font-

*size:9pt;font-weight:700;line-height:100%">Unrealized
Losses</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Corporate bonds</td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">93,328 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">(962)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">203,251 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">(5,556)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">296,579 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">(6,518)</td><td style="background-color:#cceeff;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="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="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Treasury notes</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">22,107 </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">(284) </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">22,936 </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">(536) </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">45,043 </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">(820) </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:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Asset-backed securities</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">9,599 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(716) </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">5,705 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td>

<td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(95) </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">15,304 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(811) </td><td style="background-color:#cceeff;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="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="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="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="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Sovereign bonds</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </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">— </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">1,974 </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">(51) </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"><span

style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:400;line-height:100%">1,974 </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">(51) </td><td style="background-color:#ffffff;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="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="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="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="display:none"></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="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="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">125,034 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">(1,962)</td><td style="background-color:#cceeff;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:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-

weight:700;line-height:100%">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">233,866 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">(6,238)</td><td style="background-color:#cceeff;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:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">358,900 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:700;line-height:100%">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">(8,200)</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> The following table summarizes the Company's gross unrealized losses and fair values for available-for-sale investments in an unrealized loss position as of December 31, 2023 (in thousands): <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:30.711%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:9.651%"></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:9.651%"></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:9.651%"></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:9.651%"></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:9.651%"></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:9.654%"></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">Unrealized Loss Position For:</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:left;vertical-align:bottom"> </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">Less than 12 Months</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">12 Months or Greater</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Total</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">Fair Value</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">Unrealized
Losses</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">Fair Value</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">Unrealized
Losses</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">Fair Value</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">Unrealized
Losses</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-***

align:left;vertical-align:top">Corporate bonds</td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">30,770 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">(359)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">226,643 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">(8,807)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">257,413 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">(9,166)</td><td style="background-color:#cceeff;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:top">Treasury notes</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom"><span style="color:#000000;font-family:'Arial',sans-serif;font-

size:10pt;font-weight:400;line-height:100%">20,725 </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">(153) </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">2,441 </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">(60) </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">23,166 </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">(213) </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:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Asset-backed securities</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">17,062 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(1,049) </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">2,252 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(47) </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-

weight:400;line-height:100%">19,314 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(1,096) </td><td style="background-color:#cceeff;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="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="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="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="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Sovereign bonds</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </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">— </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">1,968 </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">(80) </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">1,968 </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">(80) </td><td style="background-color:#ffffff;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="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="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="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="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="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="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">68,557 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">(1,561)</td><td style="background-color:#cceeff;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:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;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:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">233,304 </td><td style="background-color:#cceeff;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:#cceeff;padding:0

1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">(8,994)</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:700;line-height:100%">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">301,861 </td><td style="background-color:#cceeff;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:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;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:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">(10,555)</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table>93328000962000203251000555600029657900065180002210700028400 The following table summarizes the Company's gross realized gains and losses on the sale of debt securities for the three-month periods ended June 30, 2024 and July 2, 2023 (in thousands): <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:35.888%"></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:14.104%"></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:14.104%"></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:13.519%"></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:13.525%"></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="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Three-

months Ended</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Six-months Ended</td></tr><tr><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">June 30, 2024</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">July 2, 2023</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">June 30, 2024</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">July 2, 2023</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Gross realized gains</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">6 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">8 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:400;line-

height:100%">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Gross realized losses</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(16)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(16)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Net realized gains (losses)</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">(10)</td><td style="background-color:#cceeff;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:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;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:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;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:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-

bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">(8)</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">
— </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> 6000080000-160000-160000-100000-80000 The following table presents the effective maturity dates of the Company’s available-for-sale investments as of June 30, 2024 (in thousands): <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:25.361%"></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:0.530%"></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:0.530%"></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:0.530%"></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:0.530%"></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:0.530%"></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:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:9.289%"></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"><1 year</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">1-2 Years</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:9pt;font-

weight:700;line-height:100%">2-3 Years</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">3-4 Years</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">4-5 Years</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">5-8 Years</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Total</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Corporate bonds</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">103,654 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">59,638 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">57,273 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">61,410 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-

align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">34,367 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">316,342 </td><td style="background-color:#cceeff;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:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Treasury notes</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">2,449 </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">987 </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">18,909 </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">22,697 </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">— </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="3" style="background-

color:#ffffff;padding:0 1pt"></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">45,042 </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:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Asset-backed securities</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">5,346 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">4,060 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">2,162 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3,736 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">15,304 </td><td style="background-color:#cceeff;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="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="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3"

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family:'Arial',sans-serif;font-size:10pt;font-weight:400;line-height:100%">
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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"><span
style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-
weight:400;line-height:100%">1,975 </span></td><td style="background-
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colspan="3" style="display:none"></td></tr><tr><td colspan="3"
style="background-color:#cceeff;padding:0 1pt"></td><td style="background-
color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid
#000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span
style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-
weight:700;line-height:100%">$</span></td><td style="background-
color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid
#000;padding:2px 0;text-align:right;vertical-align:bottom"><span
style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-
weight:700;line-height:100%">112,449</span><span style="color:#000000;font-
family:'Arial',sans-serif;font-size:10pt;font-weight:400;line-height:100%"> </span>
</td><td style="background-color:#cceeff;border-bottom:3pt double
#000000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-
align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0
1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double
#000000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-
align:bottom"><span style="color:#000000;font-family:'Arial',sans-serif;font-
size:10pt;font-weight:700;line-height:100%">$</span></td><td
style="background-color:#cceeff;border-bottom:3pt double #000000;border-
top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom"><span
style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-
weight:700;line-height:100%">65,660</span><span style="color:#000000;font-
family:'Arial',sans-serif;font-size:10pt;font-weight:400;line-height:100%"> </span>
</td><td style="background-color:#cceeff;border-bottom:3pt double
#000000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-
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***align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">76,182 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">84,107 </td><td style="background-color:#cceeff;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:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">36,529 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:700;line-height:100%">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">3,736 </td><td style="background-color:#cceeff;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:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;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:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">378,663 ***

</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table>
* 10365400059638000572730006141000034367000031634200024490009870*
450420005346000406000000216200037360001530400010000009750000000197500
style="margin-top:6pt">Inventories consisted of the following (in thousands): <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:61.911%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:17.028%"></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:17.031%"></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">June 30, 2024</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">December 31, 2023</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Raw materials</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">97,031 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">93,201 </td><td style="background-color:#cceeff;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:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Work-in-process</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">4,344 </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"><span style="color:#000000;font-

family:'Arial',sans-serif;font-size:10pt;font-weight:400;line-height:100%">5,747 </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:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Finished goods</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">55,880 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">63,337 </td><td style="background-color:#cceeff;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 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">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">157,255 </td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</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">162,285 </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> Inventories consisted of the following (in thousands): <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:61.911%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:17.028%"></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:17.031%"></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">June 30, 2024</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom"><span style="color:#000000;font-

family:'Arial',sans-serif;font-size:9pt;font-weight:400;line-height:100%">December 31, 2023</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Raw materials</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">97,031 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">93,201 </td><td style="background-color:#cceeff;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:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Work-in-process</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">4,344 </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">5,747 </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:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Finished goods</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">55,880 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">63,337 </td><td style="background-color:#cceeff;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 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">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">157,255 </td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</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">162,285 </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> **9703100093201000434400057470005588000063337000157255000162285** The Company's leases are primarily leased properties across different worldwide locations where the Company conducts its operations. All of these leases are classified as operating leases. Certain leases may contain options to extend or terminate the lease at the Company's sole discretion. As of June 30, 2024, there were no options to terminate and twenty options to extend that were accounted for in the determination of the lease term for the Company's outstanding leases. Certain leases contain leasehold improvement incentives, retirement obligations, escalating clauses, rent holidays, and variable payments tied to a consumer price index. There were no restrictions or covenants for outstanding leases as of June 30, 2024. The total operating lease expense for the three-month and six-month periods ended June 30, 2024 was $3,474,000 and $7,037,000, respectively. The total operating lease cash payments for the three-month and six-month periods ended June 30, 2024 were $3,406,000 and $6,614,000, respectively. The total lease expense for leases with a term of twelve months or less for which the Company elected not to recognize a lease asset or lease liability for the three-month and six-month periods ended June 30, 2024 was $57,000 and $139,000, respectively. The total operating lease expense for the three-month and six-month periods ended July 2, 2023 was $2,639,000 and $5,031,000, respectively. The total operating lease cash payments for the three-month and six-month periods ended July 2, 2023 were $2,364,000 and $4,768,000, respectively. The total lease expense for leases with a term of twelve months or less for which the Company elected not to recognize a lease asset or lease liability for the three-month and six-month periods ended July 2, 2023 was $136,000 and $160,000, respectively. Future operating lease cash payments are as follows (in thousands): <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:99.853%"><tr><td style="width:1.0%"></td><td style="width:82.648%"></td><td*

style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:2.728%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.224%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">Year Ended December 31,</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Amount</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Remainder of fiscal 2024</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">6,876 </td><td style="background-color:#cceeff;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:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">2025</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">12,011 </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:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">2026</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">9,944 </td><td style="background-color:#cceeff;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:top">2027</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">9,107 </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:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">2028</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">8,659 </td><td

style="background-color:#cceeff;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:top">2029</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">8,078 </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:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Thereafter</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">44,328 </td><td style="background-color:#cceeff;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="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">99,003 </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> The discounted present value of the future lease cash payments resulted in a total lease liability of $74,183,000 and $78,601,000 as of June 30, 2024 and December 31, 2023, respectively. The Company did not have any leases that had not yet commenced but that created significant rights and obligations as of June 30, 2024. The Company leases a building in Singapore that serves as a distribution center for customers in Asia. The lease contains two components: an 88,000 square-foot premises that had a commencement date in June of 2023 and a second 27,000 square-foot premises that does not commence until the fourth quarter of 2025. Accordingly, the second component of the lease has not yet been recorded on the Consolidated Balance Sheets, nor has it created any significant rights and obligations as of June 30, 2024. This second lease component has an original term of eight years and the Company has the right and option to extend this term by an additional five years, commencing upon the expiration of the original term. Future payment obligations associated with this lease component total $13,231,000, none of which is payable in 2024 and which reflects the estimated extension period of five years. Future payment obligations related to this lease component are not included in the future operating lease cash payments table above. The weighted-average discount rate was 5.7% for the leases outstanding as of both June 30, 2024 and December 31, 2023. The weighted-average remaining lease term was 10.2 and 10.5 years for the leases outstanding as of June 30, 2024 and December 31, 2023,

respectively.0203474000703700034060006614000570001390002639000503100023

style="margin-top:9pt">Future operating lease cash payments are as follows (in thousands): <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:99.853%"><tr><td style="width:1.0%"></td><td style="width:82.648%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:2.728%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.224%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">Year Ended December 31,</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Amount</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Remainder of fiscal 2024</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">6,876 </td><td style="background-color:#cceeff;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:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">2025</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">12,011 </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:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">2026</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">9,944 </td><td style="background-color:#cceeff;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:top">2027</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">9,107 </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:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">2028</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">8,659 </td><td style="background-color:#cceeff;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:top">2029</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">8,078 </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:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Thereafter</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">44,328 </td><td style="background-color:#cceeff;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="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">99,003 </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> 6876000120110009944000910700086590008078000443280009900300074
style="margin-top:9pt">The changes in the carrying value of goodwill were as follows (in thousands): <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:83.288%"></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:13.776%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Balance as of December 31, 2023</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-

family:'Arial',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">393,181 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top"> Foreign exchange rate changes</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(12,139) </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Balance as of June 30, 2024</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:700;line-height:100%">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">381,042 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> The changes in the carrying value of goodwill were as follows (in thousands): <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:83.288%"></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:13.776%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Balance as of December 31, 2023</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">393,181 </td><td style="background-color:#cceeff;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:top"> Foreign exchange rate changes</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">(12,139)</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:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Balance as of June 30, 2024</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;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:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">381,042 </td><td style="background-color:#cceeff;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>393181000-121390000381042000Intangible Assets<div style="margin-top:5pt">Amortized intangible assets consisted of the following (in thousands):</div><div style="margin-top:5pt"><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:99.561%"><tr><td style="width:1.0%"></td><td style="width:51.176%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:14.318%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.534%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:14.318%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.534%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:14.320%"></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">Gross
Carrying
Value</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Accumulated
Amortization</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Net
Carrying
Value</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><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:top">Customer relationships</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-*

align:bottom">70,394 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">(7,753)</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:700;line-height:100%">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">62,641 </td><td style="background-color:#cceeff;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:#ffffff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:top">Completed technologies</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">58,612 </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">(23,401)</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">35,211 </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:#cceeff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:top">Trademarks</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">792 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-

align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(176) </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">616 </td><td style="background-color:#cceeff;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 7.75pt;text-align:left;vertical-align:top">Non-compete agreements</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">340 </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">(260) </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">80 </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:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Balance as of June 30, 2024</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">130,138 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">(31,590)</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-

*color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">98,548 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr style="height:9pt"><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:3pt double #000000;padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:3pt double #000000;padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:3pt double #000000;padding:0 1pt"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"> </td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Gross
Carrying
Value</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Accumulated
Amortization</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Net
Carrying
Value</td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:top">Customer relationships</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">75,965 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">(5,352)</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-*

align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">70,613 </td><td style="background-color:#cceeff;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:#ffffff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:top">Completed technologies</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">62,123 </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">(20,745) </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">41,378 </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:#cceeff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:top">Trademarks</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">903 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(50) </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">853 </td><td style="background-color:#cceeff;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 7.75pt;text-align:left;vertical-align:top">Non-compete agreements</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">340 </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">(232)

</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">108 </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:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Balance as of December 31, 2023</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">139,331 </td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">(26,379) </td><td style="background-color:#cceeff;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:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;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:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">112,952 </td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> As of June 30, 2024, estimated future amortization expense related to intangible assets was as follows (in thousands): <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:99.853%"><tr><td style="width:1.0%"></td><td style="width:81.623%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.532%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:15.445%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">Year Ended December 31,</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom"><span style="color:#000000;font-

family:'Arial',sans-serif;font-size:9pt;font-weight:700;line-height:100%">Amount</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Remainder of fiscal 2024</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">5,247 </td><td style="background-color:#cceeff;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:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">2025</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">10,267 </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:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">2026</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">9,918 </td><td style="background-color:#cceeff;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:top">2027</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">8,976 </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:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">2028</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">8,246 </td><td style="background-color:#cceeff;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:top">2029</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">8,246 </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:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Thereafter</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">47,648 </td><td style="background-color:#cceeff;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="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;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:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">98,548 </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> Amortized intangible assets consisted of the following (in thousands): <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:99.561%"><tr><td style="width:1.0%"></td><td style="width:51.176%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:14.318%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.534%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:14.318%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.534%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:14.320%"></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">Gross
Carrying
Value</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Accumulated
Amortization</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Net
Carrying
Value</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><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:top">Customer relationships</td><td style="background-color:#cceeff;border-top:1pt*

solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">70,394 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:700;line-height:100%">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">(7,753)</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">62,641 </td><td style="background-color:#cceeff;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:#ffffff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:top">Completed technologies</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">58,612 </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">(23,401)</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">35,211 </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:#cceeff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:top">Trademarks</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom"><span style="color:#000000;font-

family:'Arial',sans-serif;font-size:10pt;font-weight:700;line-height:100%">792 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(176) </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">616 </td><td style="background-color:#cceeff;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 7.75pt;text-align:left;vertical-align:top">Non-compete agreements</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">340 </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">(260) </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">80 </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:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Balance as of June 30, 2024</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">130,138 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom"><span

*style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:700;line-height:100%">(31,590)</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">98,548 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr style="height:9pt"><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:3pt double #000000;padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:3pt double #000000;padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:3pt double #000000;padding:0 1pt"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"> </td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Gross
Carrying
Value</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Accumulated
Amortization</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Net
Carrying
Value</td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:top">Customer relationships</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">75,965 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">(5,352)</td><td style="background-*

color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">70,613 </td><td style="background-color:#cceeff;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:#ffffff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:top">Completed technologies</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">62,123 </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">(20,745) </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">41,378 </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:#cceeff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:top">Trademarks</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">903 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(50) </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">853 </td><td style="background-color:#cceeff;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 7.75pt;text-align:left;vertical-align:top">Non-compete agreements</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">340 </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">(232) </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">108 </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:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Balance as of December 31, 2023</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">139,331 </td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">(26,379) </td><td style="background-color:#cceeff;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:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;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:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">112,952 </td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> 7039400077530006264100058612000234010003521100079200017600061600

<td style="margin-top:5pt;text-align:justify">As of June 30, 2024, estimated future amortization expense related to intangible assets was as follows (in thousands): <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:99.853%"><tr><td style="width:1.0%"></td><td style="width:81.623%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.532%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:15.445%"></td><td style="width:0.1%"></td></tr><tr><td

colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">Year Ended December 31, </td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Amount</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Remainder of fiscal 2024</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">5,247 </td><td style="background-color:#cceeff;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:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">2025</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">10,267 </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:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">2026</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">9,918 </td><td style="background-color:#cceeff;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:top">2027</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">8,976 </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:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">2028</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">8,246 </td><td style="background-color:#cceeff;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:top"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-

***weight:400;line-height:100%">2029</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">8,246 </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:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Thereafter</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">47,648 </td><td style="background-color:#cceeff;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="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;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:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">98,548 </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>
5247000102670009918000897600082460008246000476480009854800OWar Obligations The Company records the estimated cost of fulfilling product warranties at the time of sale based upon historical costs to fulfill claims. Obligations may also be recorded subsequent to the time of sale whenever specific events or changes in circumstances impacting product quality become known that would not have been taken into account using historical data. While we engage in extensive product quality programs and processes, including actively monitoring and evaluating the quality of our component suppliers and third-party contract manufacturers, the Company’s warranty obligation is affected by product failure rates, material usage, and service delivery costs incurred in correcting a product failure. An adverse change in any of these factors may result in the need for additional warranty provisions. Warranty obligations are included in “Accrued expenses” on the Consolidated Balance Sheets. The changes in the warranty obligation were as follows (in thousands): <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:80.771%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:17.029%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Balance as of December 31, 2023</td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-***

family:'Arial',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">4,244 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Provisions for warranties issued during the period</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">2,120 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Fulfillment of warranty obligations</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(1,990)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Foreign exchange rate changes</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(20)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Balance as of June 30, 2024</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">4,354 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> The changes in the warranty obligation were as follows (in thousands): <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:80.771%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:17.029%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Balance as of December 31, 2023</td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-

*align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">4,244 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Provisions for warranties issued during the period</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">2,120 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Fulfillment of warranty obligations</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(1,990)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Foreign exchange rate changes</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(20)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Balance as of June 30, 2024</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:700;line-height:100%">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">4,354 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table>
424400021200001990000200004354000Commitments and Contingencies As of June 30, 2024, the Company had outstanding purchase orders totaling $43,078,000 to procure inventory from various vendors. Certain of these purchase orders may be canceled by the Company, subject to cancellation penalties. These purchase commitments relate primarily to expected sales in the next twelve months. A significant portion of the Company's outstanding inventory purchase orders as of June 30, 2024, as well as*

additional preauthorized commitments to procure strategic components based on the Company's expected customer demand, are placed with the Company's primary contract manufacturer for the Company's assembled products. The Company has the obligation to purchase any non-cancelable and non-returnable components that have been purchased by the contract manufacturer with the Company's preauthorization, when these components have not been consumed within the period defined in the terms of the Company's agreement with this contract manufacturer. While the Company typically expects such purchased components to be used in future production of Cognex finished goods, these components are considered in the Company's reserve estimate for excess and obsolete inventory. Furthermore, the Company accrues for losses on commitments for the future purchase of non-cancelable and non-returnable components from this contract manufacturer at the time that circumstances, such as changes in demand, indicate that the value of the components may not be recoverable, the loss is probable, and management has the ability to reasonably estimate the amount of the loss. Various claims and legal proceedings generally incidental to the normal course of business are pending or threatened on behalf of or against the Company. While we cannot predict the outcome of these matters, we believe that any liability arising from them will not have a material adverse effect on our financial position, liquidity, or results of operations. 43078000Derivative Instruments The Company's foreign currency risk management strategy is principally designed to mitigate the potential financial impact of changes in the value of transactions and balances denominated in foreign currencies resulting from changes in foreign currency exchange rates. The Company enters into economic hedges utilizing foreign currency forward contracts with maturities that do not exceed approximately three months to manage the exposure to fluctuations in foreign currency exchange rates arising primarily from foreign-denominated receivables and payables. The gains and losses on these derivatives are intended to be offset by the changes in the fair value of the assets and liabilities being hedged. These economic hedges are not designated as hedging instruments for hedge accounting treatment. The Company had the following outstanding forward contracts (in thousands): <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:46.122%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.204%"></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:11.034%"></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:12.204%"></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:10.746%"></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">June 30, 2024</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom"><span style="color:#000000;font-

*family:'Arial',sans-serif;font-size:10pt;font-weight:400;line-height:100%">December 31, 2023</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">Currency</td><td colspan="3" style="border-bottom:1pt solid #000000;border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">Notional
Value</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">USD
Equivalent</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">Notional
Value</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">USD
Equivalent</td></tr><tr><td colspan="12" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Derivatives Not Designated as Hedging Instruments:</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:0 1pt"></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="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Singapore Dollar</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">40,700 </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">30,041 </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"><span style="color:#000000;font-*

family:'Arial',sans-serif;font-size:10pt;font-weight:400;line-height:100%">39,700 </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">30,136 </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:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Euro</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">22,000 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">23,577 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">40,000 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">44,302 </td><td style="background-color:#cceeff;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:top">Chinese Renminbi</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">100,000 </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">13,711 </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">50,000 </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">7,025 </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:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Mexican Peso</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">215,000 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">11,663 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">145,000 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">8,505 </td><td style="background-color:#cceeff;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:top">Hungarian Forint</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">2,180,000 </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">5,883 </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"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-

weight:400;line-height:100%">2,240,000 </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">6,466 </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:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">British Pound</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3,245 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">4,112 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3,345 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">4,258 </td><td style="background-color:#cceeff;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="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></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="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;text-align:left;vertical-align:top">Japanese Yen</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">600,000 </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"><span

style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:700;line-height:100%">3,750 </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">600,000 </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">4,255 </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:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Swiss Franc</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1,675 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1,875 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;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:top">Canadian Dollar</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1,660 </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">1,212 </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">1,470 </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">1,112 </td><td style="background-color:#ffffff;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="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr></table> Information regarding the fair value of the outstanding forward contracts was as follows (in thousands): <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:97.368%"><tr><td style="width:1.0%"></td><td style="width:12.863%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:17.368%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.550%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.113%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.550%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.563%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.550%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:8.960%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.550%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.113%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.550%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.570%"></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="border-bottom:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">Asset Derivatives</td><td colspan="3" style="padding:0 1pt"></td><td colspan="15" style="border-bottom:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">Liability Derivatives</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">Balance</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">Fair Value</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">Balance</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">Fair Value</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">Sheet
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">June 30, 2024</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">December 31, 2023</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Sheet
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">June 30, 2024</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">December 31, 2023</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="display:none"></td><td colspan="3" style="display:none"></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="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="18" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Derivatives Not Designated as Hedging Instruments:</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:0 1pt">

</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Economic hedge forward contracts</td><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Prepaid expenses and other current 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">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">57 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">151 </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="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Accrued expenses</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">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">152 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">106 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table>
 The following table presents the gross activity for all derivative assets and liabilities which were presented on a net basis on the Consolidated Balance Sheets due to the right of offset with each counterparty (in thousands): <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:99.853%"><tr><td

style="width:1.0%"></td><td style="width:21.008%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.824%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.345%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.824%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.223%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.532%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:21.008%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.532%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.345%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.532%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.227%"></td><td style="width:0.1%"></td></tr><tr><td colspan="15" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Asset Derivatives</td><td colspan="3" style="padding:0 1pt"></td><td colspan="15" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Liability Derivatives</td></tr><tr><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="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">June 30, 2024</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">December 31, 2023</td><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="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">June 30, 2024</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">December 31, 2023</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Gross amounts of recognized assets</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">57 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-

color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">151 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Gross amounts of recognized liabilities</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:700;line-height:100%">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">152 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">106 </td><td style="background-color:#cceeff;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:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Gross amounts offset</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">— </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">— </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="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Gross amounts offset</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"><span style="color:#000000;font-family:'Arial',sans-serif;font-

size:10pt;font-weight:700;line-height:100%">— </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">— </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:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Net amount of assets presented</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">57 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">151 </td><td style="background-color:#cceeff;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:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Net amount of liabilities presented</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;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:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">152 </td><td style="background-color:#cceeff;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:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;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:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">106 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table>
 Information regarding the effect of derivative instruments on the consolidated financial statements was as follows (in thousands): <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:14.835%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:24.484%"></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:0.530%"></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:0.530%"></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:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.797%"></td><td style="width:0.1%"></td></tr><tr style="height:14pt"><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"> </td><td colspan="3" rowspan="2" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Location in Financial Statements</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Three-months Ended</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:left;vertical-align:bottom"> Six-months Ended </td></tr><tr style="height:24pt"><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="padding:2px 1pt;text-align:center;vertical-align:bottom">June 30, 2024</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">July 2, 2023</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">June 30, 2024</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-*

align:center;vertical-align:bottom">July 2, 2023</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="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="display:none"></td><td colspan="3" style="display:none"></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="display:none"></td><td colspan="3" style="display:none"></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="display:none"></td><td colspan="3" style="display:none"></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="display:none"></td><td colspan="3" style="display:none"></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="display:none"></td><td colspan="3" style="display:none"></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="display:none"></td><td colspan="3" style="display:none"></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="display:none"></td><td colspan="3" style="display:none"></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="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="21" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Derivatives Not Designated as Hedging Instruments:</td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Gains (losses) recognized in current operations</td><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Foreign currency gain (loss)</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000000;padding:2px 0

2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;padding:2px 0;text-align:right;vertical-align:bottom">876 </td><td style="background-color:#ffffff;border-bottom:3pt double #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;padding:2px 0;text-align:right;vertical-align:bottom">859 </td><td style="background-color:#ffffff;border-bottom:3pt double #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;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;padding:2px 0;text-align:right;vertical-align:bottom">631 </td><td style="background-color:#ffffff;border-bottom:3pt double #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;padding:2px 0;text-align:right;vertical-align:bottom">(612)</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> P3M The Company had the following outstanding forward contracts (in thousands): <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:46.122%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.204%"></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:11.034%"></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:12.204%"></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:10.746%"></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">June 30, 2024</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">December 31, 2023</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">Currency</td><td colspan="3" style="border-bottom:1pt solid #000000;border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">Notional
Value</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">USD
Equivalent</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">Notional
Value</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">USD
Equivalent</td></tr><tr><td colspan="12" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Derivatives Not Designated as Hedging Instruments:</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:0 1pt"></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="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Singapore Dollar</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">40,700 </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">30,041<span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-

weight:400;line-height:100%"> </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">39,700 </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">30,136 </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:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Euro</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">22,000 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">23,577 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">40,000 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">44,302 </td><td style="background-color:#cceeff;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:top">Chinese Renminbi</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">100,000 </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"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-

***weight:700;line-height:100%">13,711 </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">50,000 </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">7,025 </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:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Mexican Peso</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">215,000 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">11,663 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">145,000 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">8,505 </td><td style="background-color:#cceeff;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:top">Hungarian Forint</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">2,180,000 </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">5,883 ***

</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">2,240,000 </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">6,466 </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:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">British Pound</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3,245 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">4,112 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3,345 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">4,258 </td><td style="background-color:#cceeff;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="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></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="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;text-align:left;vertical-align:top">Japanese Yen</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">600,000<span style="color:#000000;font-

family:'Arial',sans-serif;font-size:10pt;font-weight:400;line-height:100%"> </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">3,750 </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">600,000 </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">4,255 </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:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Swiss Franc</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1,675 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1,875 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;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:top">Canadian Dollar</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1,660 </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">1,212 </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">1,470 </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">1,112 </td><td style="background-color:#ffffff;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="display:none"></td><td colspan="3" style="display:none"></td></tr></table> *40700000300410003970000030136000220000002357700040000000443020
style="margin-top:1pt;text-align:justify">Information regarding the fair value of the outstanding forward contracts was as follows (in thousands): <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:97.368%"><tr><td style="width:1.0%"></td><td style="width:12.863%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:17.368%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.550%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.113%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.550%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.563%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.550%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:8.960%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.550%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.113%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.550%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.570%"></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="border-bottom:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">Asset Derivatives</td><td colspan="3" style="padding:0 1pt"></td><td colspan="15" style="border-bottom:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom"><span style="color:#000000;font-family:'Arial',sans-serif;font-

*size:10pt;font-weight:700;line-height:100%">Liability Derivatives</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">Balance</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">Fair Value</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">Balance</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">Fair Value</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">Sheet
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">June 30, 2024</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">December 31, 2023</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Sheet
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">June 30, 2024</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">December 31, 2023</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="display:none"></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="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="display:none"></td></tr><tr><td colspan="18" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top"><span*

style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-style:italic;font-weight:400;line-height:100%">Derivatives Not Designated as Hedging Instruments:</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Economic hedge forward contracts</td><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Prepaid expenses and other current 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">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">57 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">151 </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="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Accrued expenses</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">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">152 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">106 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table>

* 5700015100015200010600 The following table presents the gross activity for all derivative assets and liabilities which were presented on a net basis on the Consolidated Balance Sheets due to the right of offset with each counterparty (in thousands): <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:99.853%"><tr><td style="width:1.0%"></td><td style="width:21.008%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.824%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.345%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.824%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.223%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.532%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:21.008%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.532%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.345%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.532%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.227%"></td><td style="width:0.1%"></td></tr><tr><td colspan="15" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Asset Derivatives</td><td colspan="3" style="padding:0 1pt"></td><td colspan="15" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Liability Derivatives</td></tr><tr><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="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">June 30, 2024</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">December 31, 2023</td><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="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">June 30, 2024</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">December 31, 2023</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Gross amounts of recognized assets</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-*

color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">57 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">151 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Gross amounts of recognized liabilities</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:700;line-height:100%">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">152 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">106 </td><td style="background-color:#cceeff;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:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Gross amounts offset</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">— </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">—</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="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Gross amounts offset</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">— </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">— </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:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Net amount of assets presented</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">57 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">151 </td><td style="background-color:#cceeff;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:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Net amount of liabilities presented</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;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:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:700;line-

height:100%">152 </td><td style="background-color:#cceeff;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:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;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:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">106 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> 570001510001520001060000000570001510001520001060000 Information regarding the effect of derivative instruments on the consolidated financial statements was as follows (in thousands): <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:14.835%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:24.484%"></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:0.530%"></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:0.530%"></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:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.797%"></td><td style="width:0.1%"></td></tr><tr style="height:14pt"><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"> </td><td colspan="3" rowspan="2" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Location in Financial Statements</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Three-months Ended</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:left;vertical-align:bottom"> Six-months Ended </td></tr><tr style="height:24pt"><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="padding:2px 1pt;text-align:center;vertical-align:bottom">June 30, 2024</td><td colspan="3"

style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">July 2, 2023</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">June 30, 2024</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">July 2, 2023</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="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="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></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="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></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="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></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="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></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="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></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="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></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="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></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="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="21" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Derivatives Not Designated as Hedging Instruments:</td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:0 1pt"></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:'Arial',sans-serif;font-size:10pt;font-weight:400;line-height:100%">Gains (losses) recognized in current operations</td><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Foreign currency gain (loss)</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;padding:2px 0;text-align:right;vertical-align:bottom">876 </td><td style="background-color:#ffffff;border-bottom:3pt double #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;padding:2px 0;text-align:right;vertical-align:bottom">859 </td><td style="background-color:#ffffff;border-bottom:3pt double #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;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;padding:2px 0;text-align:right;vertical-align:bottom">631 </td><td style="background-color:#ffffff;border-bottom:3pt double #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;padding:2px 0;text-align:right;vertical-align:bottom">(612)</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table>
876000859000631000-612000Revenue Recognition The following table summarizes disaggregated revenue information by geographic area based upon the customer's country of domicile (in thousands): <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:36.619%"></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:13.958%"></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:13.958%"></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:13.519%"></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:13.526%"></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="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Three-months Ended</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Six-months Ended</td></tr><tr><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">June 30, 2024</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">July 2, 2023</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">June 30, 2024</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">July 2, 2023</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Americas</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">85,162 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">82,297 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-

top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">168,297 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">162,911 </td><td style="background-color:#cceeff;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:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Europe</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">57,151 </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">56,860 </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">109,505 </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">116,702 </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:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Greater China</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">54,410 </td><td

style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">72,351 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">84,459 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">105,351 </td><td style="background-color:#cceeff;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="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;text-align:left;vertical-align:bottom">Other Asia</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">42,569 </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">31,004 </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">87,828 </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">58,672 </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:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-

top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">239,292 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">242,512 </td><td style="background-color:#cceeff;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:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">450,089 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">443,636 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table>
 The following table summarizes disaggregated revenue information by revenue type (in thousands): <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:36.655%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.383%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:13.914%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.528%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td

style="width:13.914%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.528%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:13.477%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.820%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:13.481%"></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="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Three-months Ended</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Six-months Ended</td></tr><tr><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">June 30, 2024</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">July 2, 2023</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">June 30, 2024</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">July 2, 2023</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Standard products and services</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">200,856 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">194,944 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td

style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">388,488 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">385,727 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Application-specific customer solutions</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">38,436 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">47,568 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">61,601 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">57,909 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">239,292 </td><td style="background-color:#cceeff;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:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">242,512 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:700;line-height:100%">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">450,089 </td><td style="background-color:#cceeff;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:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;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:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">443,636 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> Costs to Fulfill a Contract Costs to fulfill a contract are included in "Prepaid expenses and other current assets" on the Consolidated Balance Sheet and amounted to $11,310,000 and $13,265,000 as of June 30, 2024 and December 31, 2023, respectively. Accounts Receivable, Contract Assets, and Contract Liabilities Accounts receivable represent amounts billed and currently due from customers which are reported at their net estimated realizable value. The Company maintains an allowance against its accounts receivable for credit losses. Contract assets consist of unbilled revenue which arises when revenue is recognized in advance of billing for certain application-specific customer solutions contracts. Contract liabilities consist of deferred revenue and customer deposits which arise when amounts are billed to or collected from customers in advance of revenue recognition. <div style="margin-

top:6pt;text-align:justify">The following table summarizes the allowance for credit losses activity for the six-month period ended June 30, 2024 (in thousands): <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:99.415%"><tr><td style="width:1.0%"></td><td style="width:79.341%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:18.459%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Balance as of December 31, 2023</td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">583 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:bottom">Increases to the allowance for credit losses</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">100 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:bottom">Write-offs, net of recoveries</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(19)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:bottom">Foreign exchange rate changes</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Balance as of June 30, 2024</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">665 </td><td

style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> The following table summarizes the deferred revenue and customer deposits activity for the six-month period ended June 30, 2024 (in thousands): <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:99.415%"><tr><td style="width:1.0%"></td><td style="width:79.341%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:18.459%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Balance as of December 31, 2023</td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">31,525 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:bottom">Deferral of revenue billed in the current period, net of recognition</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">30,777 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:bottom">Recognition of revenue deferred in prior period</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(21,271) </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:bottom">Foreign exchange rate changes</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(502)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Balance as of June 30, 2024</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:700;line-height:100%">$</td><td style="background-color:#cceeff;border-

bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">40,529 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> As a practical expedient, the Company has elected not to disclose the aggregate amount of the transaction price allocated to unsatisfied performance obligations for our contracts that have an original expected duration of less than one year. The remaining unsatisfied performance obligations for our contracts that have an original expected duration of more than one year, primarily related to extended warranties, are not material. The following table summarizes disaggregated revenue information by geographic area based upon the customer's country of domicile (in thousands): <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:36.619%"></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:13.958%"></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:13.958%"></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:13.519%"></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:13.526%"></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="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Three-months Ended</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Six-months Ended</td></tr><tr><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">June 30, 2024</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">July 2, 2023</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">June 30, 2024</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">July 2, 2023</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom"><span

style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:400;line-height:100%">Americas</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">85,162 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">82,297 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">168,297 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">162,911 </td><td style="background-color:#cceeff;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:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Europe</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">57,151 </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"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:400;line-

height:100%">56,860 </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">109,505 </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">116,702 </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:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Greater China</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">54,410 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">72,351 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">84,459 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">105,351 </td><td style="background-color:#cceeff;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="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;text-align:left;vertical-align:bottom">Other Asia</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">42,569<span style="color:#000000;font-family:'Arial',sans-

serif;font-size:10pt;font-weight:400;line-height:100%"> </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">31,004 </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">87,828 </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">58,672 </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:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">239,292 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">242,512 </td><td style="background-color:#cceeff;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:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;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:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">450,089 </td><td style="background-color:#cceeff;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:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;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:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">443,636 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> 8516200082297000168297000162911000571510005686000010950500011600The following table summarizes disaggregated revenue information by revenue type (in thousands): <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:36.655%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.383%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:13.914%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.528%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:13.914%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.528%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:13.477%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.820%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:13.481%"></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="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Three-months Ended</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Six-months Ended</td></tr><tr><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">June 30, 2024</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">July 2, 2023</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">June 30, 2024</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">July 2, 2023</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Standard products and services</td><td

colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">200,856 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">194,944 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">388,488 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">385,727 </td><td style="background-color:#cceeff;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:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Application-specific customer solutions</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">38,436 </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">47,568 </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">61,601 </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">57,909 </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:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">239,292 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">242,512 </td><td style="background-color:#cceeff;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:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">450,089 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom"><span style="color:#000000;font-

family:'Arial',sans-serif;font-size:10pt;font-weight:400;line-height:100%">443,636 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> 2008560001949440003884880003857270003843600047568000616010005750000 The following table summarizes the allowance for credit losses activity for the six-month period ended June 30, 2024 (in thousands): <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:99.415%"><tr><td style="width:1.0%"></td><td style="width:79.341%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:18.459%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Balance as of December 31, 2023</td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">583 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:bottom">Increases to the allowance for credit losses</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">100 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:bottom">Write-offs, net of recoveries</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(19)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:bottom">Foreign exchange rate changes</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Balance as of June 30, 2024</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:700;line-height:100%">$</td><td style="background-color:#cceeff;border-

bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">665 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> 583000100000190001000665000 The following table summarizes the deferred revenue and customer deposits activity for the six-month period ended June 30, 2024 (in thousands): <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:99.415%"><tr><td style="width:1.0%"></td><td style="width:79.341%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:18.459%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Balance as of December 31, 2023</td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">31,525 </td><td style="background-color:#cceeff;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 7.75pt;text-align:left;vertical-align:bottom">Deferral of revenue billed in the current period, net of recognition</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">30,777 </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:#cceeff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:bottom">Recognition of revenue deferred in prior period</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(21,271)</td><td style="background-color:#cceeff;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></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:bottom">Foreign exchange rate changes</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(502)</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:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Balance

as of June 30, 2024</td><td style="background-color:#cceeff;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:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">40,529 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> 315250003077700021271000-50200040529000Stock-Based Compensation Expense Stock Plans The Company’s stock-based awards that result in compensation expense consist of stock options, restricted stock units ("RSUs"), and performance restricted stock units ("PRSUs"). In May 2023, the shareholders of the Company approved the Cognex Corporation 2023 Stock Option and Incentive Plan (the “2023 Plan”). The 2023 Plan permits awards of stock options (both incentive and non-qualified options), stock appreciation rights, RSUs, and PRSUs. Up to 8,100,000 shares of common stock (subject to adjustment in the event of stock splits and other similar events) may be issued pursuant to awards granted under the 2023 Plan. In connection with the approval of the 2023 Plan, no further awards will be made under the Cognex Corporation 2001 General Stock Option Plan, as amended and restated (the “2001 Plan”), and the Cognex Corporation 2007 Stock Option and Incentive Plan, as amended and restated (the “2007 Plan”). With the approval of the 2023 Plan, the 10,610,800 shares of common stock subject to awards granted under the 2001 Plan and the 2007 Plan that were outstanding as of May 3, 2023 may become eligible for issuance under the 2023 Plan if such awards are forfeited, cancelled or otherwise terminated (other than by exercise) (the “Carryover Shares”). As of June 30, 2024, forfeitures, cancellations, and other terminations from the 2001 Plan and the 2007 Plan have resulted in 777,455 Carryover Shares, raising the authorized total shares that may be issued under the 2023 Plan to 8,877,455. As of June 30, 2024, the Company had 5,958,000 shares available for grant under its stock plans. Stock options are granted with an exercise price equal to the market value of the Company’s common stock at the grant date and generally vest over four or five years based upon continuous service and expire ten years from the grant date. RSUs generally vest upon three or four years of continuous employment or incrementally over such three or four-year periods. PRSUs generally vest upon three years of continuous employment and achievement of performance criteria established by the Compensation Committee of our Board of Directors on or prior to the grant date. Participants are not entitled to dividends on stock options, RSUs, or PRSUs. Stock Options The following table

*summarizes the Company's stock option activity for the six-month period ended June 30, 2024: <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:99.853%"><tr><td style="width:1.0%"></td><td style="width:37.699%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:14.273%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.532%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.223%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.532%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:14.126%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.532%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:13.983%"></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">Shares
(in thousands)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Weighted-
Average
Exercise
Price</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Weighted-
Average
Remaining
Contractual
Term (in years)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Aggregate
Intrinsic
Value
(in thousands)</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top"> Outstanding as of December 31, 2023 </td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">9,008 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">50.87 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 19pt;text-align:left;vertical-align:top"><span style="color:#000000;font-family:'Arial',sans-*

serif;font-size:10pt;font-weight:400;line-height:100%">Granted</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1,620 </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">39.74 </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="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 19pt;text-align:left;vertical-align:top">Exercised</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(112) </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">23.52 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 19pt;text-align:left;vertical-align:top">Forfeited or expired</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(397)</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">56.39 </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="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top"> Outstanding as of June 30, 2024 </td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-

weight:700;line-height:100%">10,119 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">49.17 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:right;vertical-align:bottom">6.10</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">35,881 </td><td style="background-color:#cceeff;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:top"> Exercisable as of June 30, 2024 </td><td colspan="2" style="background-color:#ffffff;border-top:3pt double #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">5,880 </td><td style="background-color:#ffffff;border-top:3pt double #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-top:3pt double #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:3pt double #000000;padding:2px 0;text-align:right;vertical-align:bottom">49.22 </td><td style="background-color:#ffffff;border-top:3pt double #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;border-top:3pt double #000000;padding:2px 1pt;text-align:right;vertical-align:bottom">4.31</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:3pt double #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-

***family:'Arial',sans-serif;font-size:10pt;font-weight:700;line-height:100%">$</td><td style="background-color:#ffffff;border-top:3pt double #000000;padding:2px 0;text-align:right;vertical-align:bottom">22,854 </td><td style="background-color:#ffffff;border-top:3pt double #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Options vested or expected to vest as of June 30, 2024 (1)</td><td colspan="2" style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:3pt double #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">9,413 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:3pt double #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:3pt double #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:700;line-height:100%">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:3pt double #000000;padding:2px 0;text-align:right;vertical-align:bottom">49.36 </td><td style="background-color:#cceeff;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:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:3pt double #000000;padding:2px 1pt;text-align:right;vertical-align:bottom">5.89</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;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:#cceeff;border-bottom:3pt double #000000;border-top:3pt double #000000;padding:2px 0;text-align:right;vertical-align:bottom">33,342 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:3pt double #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> (1) In addition to the vested options, the Company expects a portion of the unvested options to vest at some point in the future. Options expected to vest are calculated by applying an estimated forfeiture rate to the unvested options.
 <span***

*style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:400;line-height:120%">The total cash received as a result of stock option exercises for the three-month and six-month periods ended June 30, 2024 was $1,516,000 and $2,637,000, respectively, and for the three-month and six-month periods ended July 2, 2023 was $6,141,000 and $10,118,000, respectively. In connection with these exercises, the tax expense realized by the Company for the three-month and six-month periods ended June 30, 2024 was $2,043,000 and $2,072,000, respectively, and for the three-month and six-month periods ended July 2, 2023 was $2,426,000 and $3,893,000, respectively.
 The fair values of stock options granted in each period presented were estimated using the following weighted-average assumptions: <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:37.350%"></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:0.530%"></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:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:13.519%"></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:13.525%"></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">Three-months Ended</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Six-months Ended</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">June 30, 2024</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">July 2, 2023</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">June 30, 2024</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">July 2, 2023</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Risk-free rate</td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px*

1pt;text-align:right;vertical-align:bottom">4.5 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">% </td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"> </td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3.5 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">% </td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"> </td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">4.3 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">%</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3.9 </td><td style="background-color:#cceeff;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:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Expected dividend yield</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">0.67 </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">0.56 </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">0.75 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"><span

style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:700;line-height:100%">%</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">0.59 </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:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Expected volatility</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">39 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">%</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">39 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">%</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">39 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">%</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">39 </td><td style="background-color:#cceeff;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:top">Expected term (in years)</td><td colspan="3" style="padding:2px 1pt;text-align:right;vertical-align:bottom">4.7</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:right;vertical-align:bottom">5.9</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">4.7</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">4.9</td></tr></table> Risk-free rate The risk-free rate was based upon a treasury instrument whose term was consistent with the contractual term of the option. Expected dividend yield The current dividend yield was calculated by annualizing the cash dividend declared by the Company's Board of Directors and dividing that result by the closing stock price on the grant date. Expected volatility The expected volatility was based upon a combination of historical volatility of the Company's common stock over the contractual term of the option and implied volatility for traded options of the Company's stock. Expected term The expected term was derived from the binomial lattice model from the impact of events that trigger exercises over time. The weighted-average grant-date fair values of stock options granted during the three-month and six-month periods ended June 30, 2024 were $18.46 and $14.89, respectively, and during the three-month and six-month periods ended July 2, 2023 were $20.09 and $17.86, respectively. The total intrinsic values of stock options exercised for the three-month and six-month periods ended June 30, 2024 were $994,000 and $2,049,000, respectively, and for the three-month and six-month periods ended July 2, 2023 were $2,123,000 and $5,562,000, respectively. The total fair values of stock options vested for the three-month and six-month periods ended June 30, 2024 were $698,000 and $26,209,000, respectively, and for the three-month and six-month periods ended July 2, 2023 were $892,000 and $32,073,000, respectively. Restricted Stock Units (RSUs) The following table summarizes the Company's RSUs activity for the six-month period ended June 30, 2024: <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:65.420%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:15.712%"></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:14.838%"></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">Shares
(in thousands)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Weighted-Average
Grant Date Fair Value</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom"> Nonvested as of December 31, 2023 </td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1,429 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">54.22 </td><td style="background-color:#cceeff;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:#ffffff;padding:2px 1pt 2px 12.25pt;text-align:left;vertical-align:bottom">Granted</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">797 </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">39.03 </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:#cceeff;padding:2px 1pt 2px 12.25pt;text-align:left;vertical-align:bottom">Vested</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(375)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">65.58 </td><td style="background-color:#cceeff;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">Forfeited or expired</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(55)</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">49.86 </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:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom"> Nonvested as of June 30, 2024 </td><td colspan="2" style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1,796 </td><td style="background-color:#cceeff;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:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;padding:2px 0;text-align:right;vertical-align:bottom">45.23 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> The fair value of RSUs is determined based on the observable market price of the Company's stock on the grant date less the present value of expected future dividends. The weighted-average grant-date fair values of RSUs granted during the three-month and six-month periods ended June 30, 2024 were $43.97 and $39.03, respectively, and during the three-month and six-month periods ended July 2, 2023 were $52.53 and $46.86, respectively. There were 36,000 and 375,000 RSUs that vested during the three-month and six-month periods ended June 30, 2024, respectively, and 29,000 and 482,000 that vested during the three-month and six-month periods ended July 2, 2023, respectively. Tax obligations for vested RSUs are settled by withholding a portion of the shares prior to distribution to the shareholder. The total cash used by the Company to fund the tax payments for the three-month and six-month periods ended June 30, 2024 was $526,000 and $4,507,000, respectively, and for the three-month and six-month periods ended July 2, 2023 was $432,000 and $7,464,000, respectively. In connection with these vested RSUs, the tax expense realized by the Company for the three-month and six-month periods ended June 30, 2024 was $2,074,000 and $6,867,000, respectively, and for the three-month and six-month periods ended July 2, 2023 was $150,000 and $3,476,000,

*respectively. Performance Restricted Stock Units (PRSUs) The following table summarizes the Company's PRSUs activity for the six-month period ended June 30, 2024: <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:65.420%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:15.712%"></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:14.838%"></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">Shares
(in thousands)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Weighted-Average
Grant Date Fair Value</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom"> Nonvested as of December 31, 2023 </td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">79 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">52.23 </td><td style="background-color:#cceeff;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:#ffffff;padding:2px 1pt 2px 12.25pt;text-align:left;vertical-align:bottom">Granted</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">55 </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">39.05 </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:#cceeff;padding:2px 1pt 2px 12.25pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-*

*family:'Arial',sans-serif;font-size:10pt;font-weight:400;line-height:100%">Vested</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;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">Forfeited or expired</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </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">— </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:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom"> Nonvested as of June 30, 2024 </td><td colspan="2" style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">134 </td><td style="background-color:#cceeff;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:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;padding:2px 0;text-align:right;vertical-align:bottom">46.82 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> The fair value of PRSUs is calculated using the Monte Carlo simulation model to estimate the probability of satisfying the service and market conditions stipulated in the award grant. There were 0 and 55,000 PRSUs granted during the three-month and six-month periods ended June 30, 2024, respectively, and 0 and 46,000 granted during the three-month and six-month periods ended July 2, 2023, respectively. No PRSUs vested during the three-month and six-month periods ended June 30, 2024 and July 2, 2023. *

Stock-Based Compensation Expense The Company stratifies its employee population into three groups: one consisting of the CEO, one consisting of senior management, and another consisting of all other employees. The Company currently applies an estimated annual forfeiture rate of 0% to all stock-based awards for the CEO, 9% to all stock-based awards for senior management, and a rate of 13% for all other employees. Each year during the first quarter, the Company revises its forfeiture rate based on updated estimates of employee turnover. This resulted in a decrease to compensation expense of $1,832,000 in 2024 and $234,000 in 2023. As of June 30, 2024, total unrecognized compensation expense, net of estimated forfeitures, related to non-vested equity awards, including stock options, RSUs, and PRSUs, was $75,507,000, which is expected to be recognized over a weighted-average period of 1.9 years. The total stock-based compensation expense and the related income tax benefit recognized for the three-month period ended June 30, 2024 were $12,964,000 and $2,027,000, respectively, and for the six-month period ended June 30, 2024 were $26,266,000 and $3,772,000, respectively. The total stock-based compensation expense and the related income tax benefit recognized for the three-month period ended July 2, 2023 were $12,574,000 and $1,892,000, respectively, and for the six-month period ended July 2, 2023 were $29,153,000 and $4,200,000, respectively. No compensation expense was capitalized as of June 30, 2024 or December 31, 2023. The following table presents the stock-based compensation expense by caption for each period presented on the Consolidated Statements of Operations (in thousands): <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:37.935%"></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:0.530%"></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:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:13.519%"></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:12.940%"></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">Three-months Ended</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Six-months Ended</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-

family:'Arial',sans-serif;font-size:10pt;font-weight:400;line-height:100%"> </td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">June 30, 2024</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">July 2, 2023</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">June 30, 2024</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">July 2, 2023</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Cost of revenue</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">413 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">441 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">1,018 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">1,062 </td><td style="background-color:#cceeff;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:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Research, development, and engineering</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3,540 </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">3,308 </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">7,929 </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">9,198 </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:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Selling, general, and administrative</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">9,011 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">8,825 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">17,319 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">18,893 </td><td style="background-color:#cceeff;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 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">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">12,964 </td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</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">12,574 </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">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">26,266 </td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</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">29,153 </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> 81000001061080077745588774555958000P5YP10YP4YP4YP3Y The following table summarizes the Company’s stock option activity for the six-month period ended June 30, 2024: <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:99.853%"><tr><td style="width:1.0%"></td><td style="width:37.699%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:14.273%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.532%"></td><td style="width:0.1%"></td><td

*style="width:1.0%"></td><td style="width:12.223%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.532%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:14.126%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.532%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:13.983%"></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">Shares
(in thousands)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Weighted-
Average
Exercise
Price</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Weighted-
Average
Remaining
Contractual
Term (in years)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Aggregate
Intrinsic
Value
(in thousands)</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top"> Outstanding as of December 31, 2023 </td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">9,008 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">50.87 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 19pt;text-align:left;vertical-align:top">Granted</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1,620 </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">39.74 </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="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 19pt;text-align:left;vertical-align:top">Exercised</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(112) </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">23.52 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 19pt;text-align:left;vertical-align:top">Forfeited or expired</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(397)</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">56.39 </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="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top"> Outstanding as of June 30, 2024 </td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">10,119 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td

style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">49.17 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:right;vertical-align:bottom">6.10</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">35,881 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top"><div>Exercisable as of June 30, 2024</div></td><td colspan="2" style="background-color:#ffffff;border-top:3pt double #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">5,880 </td><td style="background-color:#ffffff;border-top:3pt double #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:3pt double #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:3pt double #000000;padding:2px 0;text-align:right;vertical-align:bottom">49.22 </td><td style="background-color:#ffffff;border-top:3pt double #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;border-top:3pt double #000000;padding:2px 1pt;text-align:right;vertical-align:bottom">4.31</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:3pt double #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:3pt double #000000;padding:2px 0;text-align:right;vertical-align:bottom">22,854 </td><td style="background-color:#ffffff;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:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Options vested or expected to vest as of June 30, 2024 (1)</td><td colspan="2" style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:3pt double #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">9,413 </td><td style="background-color:#cceeff;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:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:3pt double #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:3pt double #000000;padding:2px 0;text-align:right;vertical-align:bottom">49.36 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:3pt double #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:3pt double #000000;padding:2px 1pt;text-align:right;vertical-align:bottom">5.89</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:3pt double #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:700;line-height:100%">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:3pt double #000000;padding:2px 0;text-align:right;vertical-align:bottom">33,342 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:3pt double #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> (1) In addition to the vested options, the Company expects a portion of the unvested options to vest at some point in the future. Options expected to vest are calculated by applying an estimated forfeiture rate to the unvested options. 900800050.87162000039.7411200023.5239700056.391011900049.17P6Y1M The fair values of stock options granted in each period presented were estimated using the following weighted-average assumptions: <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:37.350%"></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:0.530%"></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:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:13.519%"></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:13.525%"></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">Three-months Ended</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Six-months Ended</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">June 30, 2024</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">July 2, 2023</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">June 30, 2024</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">July 2, 2023</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Risk-free rate</td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">4.5%</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">%</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3.5 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">%</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:700;line-

height:100%">4.3 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">% </td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"> </td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3.9 </td><td style="background-color:#cceeff;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:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Expected dividend yield</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">0.67 </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">0.56 </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">0.75 </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">0.59 </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:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Expected volatility</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">39 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"><span style="color:#000000;font-family:'Arial',sans-serif;font-

size:10pt;font-weight:700;line-height:100%">%</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">39 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">%</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">39 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">%</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">39 </td><td style="background-color:#cceeff;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:top">Expected term (in years) </td><td colspan="3" style="padding:2px 1pt;text-align:right;vertical-align:bottom">4.7</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:right;vertical-align:bottom">5.9</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">4.7</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">4.9</td></tr></table> 0.0450.0350.0430.0390.00670.00560.00750.00590.390.390.390.39P4Y8M12D The following table summarizes the Company's RSUs activity for the six-month period ended June 30, 2024: <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:65.420%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:15.712%"></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:14.838%"></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"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:700;line-

*height:100%">Shares
(in thousands)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Weighted-Average
Grant Date Fair Value</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom"> Nonvested as of December 31, 2023 </td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1,429 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">54.22 </td><td style="background-color:#cceeff;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:#ffffff;padding:2px 1pt 2px 12.25pt;text-align:left;vertical-align:bottom">Granted</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">797 </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">39.03 </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:#cceeff;padding:2px 1pt 2px 12.25pt;text-align:left;vertical-align:bottom">Vested</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(375)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">65.58 </td><td style="background-color:#cceeff;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">Forfeited or expired</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom"><span style="color:#000000;font-family:'Arial',sans-serif;font-*

size:10pt;font-weight:400;line-height:100%">(55)</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">49.86 </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:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom"> Nonvested as of June 30, 2024 </td><td colspan="2" style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1,796 </td><td style="background-color:#cceeff;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:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;padding:2px 0;text-align:right;vertical-align:bottom">45.23 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table>
142900054.2279700039.0337500065.585500049.86179600045.2343.9739.03
style="margin-top:6pt;text-align:justify">The following table summarizes the Company's PRSUs activity for the six-month period ended June 30, 2024: <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:65.420%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:15.712%"></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:14.838%"></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">Shares
(in thousands)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Weighted-Average
Grant Date Fair Value</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom"> Nonvested as of December 31, 2023 </td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid

#000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">79 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">52.23 </td><td style="background-color:#cceeff;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:#ffffff;padding:2px 1pt 2px 12.25pt;text-align:left;vertical-align:bottom">Granted</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">55 </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">39.05 </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:#cceeff;padding:2px 1pt 2px 12.25pt;text-align:left;vertical-align:bottom">Vested</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;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">Forfeited or expired</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </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">— </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:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom"> <span style="color:#000000;font-family:'Arial',sans-

serif;font-size:10pt;font-weight:400;line-height:100%">Nonvested as of June 30, 2024 </td><td colspan="2" style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">134 </td><td style="background-color:#cceeff;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:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;padding:2px 0;text-align:right;vertical-align:bottom">46.82 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> 7900052.235500039.050000134000046.8205500004600000000300.090.131832 style="margin-top:6pt;text-align:justify">The following table presents the stock-based compensation expense by caption for each period presented on the Consolidated Statements of Operations (in thousands): <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:37.935%"></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:0.530%"></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:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:13.519%"></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:12.940%"></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">Three-months Ended</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Six-months Ended</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">June 30, 2024</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">July 2,

2023</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">June 30, 2024</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">July 2, 2023</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Cost of revenue</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">413 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">441 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">1,018 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">1,062 </td><td style="background-color:#cceeff;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:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Research, development, and engineering</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:700;line-

height:100%">3,540 </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">3,308 </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">7,929 </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">9,198 </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:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Selling, general, and administrative</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">9,011 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">8,825 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">17,319 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">18,893 </td><td style="background-color:#cceeff;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 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"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-

weight:700;line-height:100%">12,964 </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">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">12,574 </td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:700;line-height:100%">$</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">26,266 </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">29,153 </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> 41300044100010180001062000354000033080007929000919800090110008Repurchase ProgramIn March 2022, the Company's Board of Directors authorized the repurchase of $500,000,000 of the Company's common stock. Under this March 2022 program, in addition to repurchases made in prior years, the Company repurchased 966,000 shares at a total cost of $49,163,000 during the six-month period ended July 2, 2023 and 473,000 shares at a total cost of $19,879,000 during the six-month period ended June 30, 2024, leaving a remaining balance of $313,013,000 as of June 30, 2024. The Company may repurchase shares under this program in future periods depending on a variety of factors, including, among other things, the impact of dilution from employee stock awards, stock price, share availability, and cash requirements. The Company is authorized to make repurchases of its common stock through open market purchases, pursuant to Rule 10b5-1 trading plans, or in privately negotiated transactions.5000000009660004916300047300019879000313013000Income Taxes The Company's effective tax rate was 13% and 18% for the three-month and six-month periods ended June 30, 2024, respectively, and

15% and 12% for the three-month and six-month periods ended July 2, 2023, respectively. The Company has defined its major tax jurisdictions as the United States, Ireland, China, Japan, and Korea, and within the United States, Massachusetts. The statutory tax rate is 12.5% in Ireland, 25% in China, 34.6% in Japan, and 21% in Korea, compared to the U.S. federal statutory corporate tax rate of 21%. These foreign tax rate differences resulted in a favorable impact to the effective tax rate for both the three-month and six-month periods ended June 30, 2024 and July 2, 2023. The Company recorded a net discrete tax benefit totaling $463,000 and a net discrete tax expense totaling $2,622,000 for the three-month and six-month periods ended June 30, 2024, and a net discrete tax expense totaling $399,000 and a net discrete tax benefit totaling $3,195,000 for the same periods in 2023. Discrete tax items for the six-month period ended June 30, 2024 included (1) an increase in tax expense of $1,371,000 related to stock-based compensation; (2) an increase in tax expense of $477,000 related to state tax matters; (3) an increase in tax expense of $922,000 for interest expense related to tax reserves; (4) a net decrease in tax expense of $1,278,000 related to return-to-provision adjustments; and (5) an increase in tax expense of $1,130,000 for other tax matters. Discrete tax items for the six-month period ended July 2, 2023 included (1) an increase in tax expense of $1,766,000 related to stock-based compensation; (2) a net decrease in tax expense of $3,051,000 due primarily to the release of tax reserves on state tax credits and foreign audit settlements; (3) a decrease in tax expense of $2,198,000 for adjustments to certain deferred tax assets; and (4) a net increase in tax expense of $288,000 for return-to-provision adjustments. The Company's reserve for income taxes, including gross interest and penalties, was $31,193,000 as of June 30, 2024, of which $28,826,000 was classified as a non-current liability and $2,367,000 was classified as an offset to deferred tax assets. If the Company's tax positions were sustained or the statutes of limitations related to certain positions expired, these reserves would be released and income tax expense would be reduced in a future period. Within the United States, the tax years 2020 through 2022 remain open to examination by the IRS, and 2019 through 2022 remain open to examination by various state tax authorities. The tax years 2017 through 2023 remain open to examination by various international taxing authorities in other jurisdictions in which the Company operates. In October 2021, more than 135 countries and jurisdictions agreed to participate in a "two-pillar" international tax approach developed by the Organisation for Economic Co-operation and Development (OECD), which includes establishing a global minimum corporate tax rate of 15%. The OECD published "Tax Challenges Arising from the Digitalisation of the Economy — Global Anti-Base Erosion Model Rules (Pillar Two)" in December 2021 and subsequently issued additional commentary and administrative guidance clarifying several aspects of the model rules. Since the model rules have been released, many countries have now enacted Pillar Two-related laws, some of which became effective January 1, 2024, and it is anticipated that more countries will

follow suit throughout 2024. As of June 30, 2024, the Company does not expect Pillar Two taxes to have a significant impact on its 2024 financial statements. 0.130.180.150.120.1250.250.3460.210.21463000262200039900031950001371000477000922000127800011300001766000305100021980002880003through 20222017 through 2023Weighted-Average Shares Weighted-average shares were calculated as follows (in thousands): <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:39.250%"></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:0.530%"></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:0.530%"></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:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.794%"></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">Three-months Ended</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Six-months Ended</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">June 30, 2024</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">July 2, 2023</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">June 30, 2024</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">July 2, 2023</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Basic weighted-average common shares outstanding</td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">171,568 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td

colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">172,429 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">171,630 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">172,527 </td><td style="background-color:#cceeff;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:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Effect of dilutive equity awards</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1,165 </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">1,193 </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">1,069 </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">1,264 </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:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Weighted-average common and common-equivalent shares outstanding</td><td colspan="2" style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-

weight:700;line-height:100%">172,733 </td><td style="background-color:#cceeff;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:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">173,622 </td><td style="background-color:#cceeff;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:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">172,699 </td><td style="background-color:#cceeff;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:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">173,791 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;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="display:none"></td><td colspan="3" style="display:none"></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="display:none"></td><td colspan="3" style="display:none"></td></tr></table> Stock options to purchase 8,325,000 and 8,415,000 shares of common stock, on a weighted-average basis, were outstanding during the three-month and six-month periods ended June 30, 2024, respectively, and 6,890,000 and 6,713,000 during the three-month and six-month periods ended July 2, 2023, respectively, but were not included in the calculation of dilutive net income per share because they were anti-dilutive. Restricted stock units totaling 1,000 and 9,000 shares of common stock, on a weighted-average basis, were outstanding during the three-month and six-month periods ended June 30, 2024, respectively, and 3,000 and 1,000 during the three-month and six-month periods ended July 2, 2023, respectively, but were not included in the calculation of dilutive net income per share because they were anti-dilutive. No PRSUs were excluded in the calculation of dilutive net income per share for the three-month and six-month periods ended June 30, 2024 and July 2, 2023, respectively, as PRSUs were not anti-dilutive on a weighted-average basis. Weighted-average shares were calculated as follows (in thousands): <div style="margin-

top:5pt"><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:39.250%"></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:0.530%"></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:0.530%"></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:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.794%"></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">Three-months Ended</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Six-months Ended</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">June 30, 2024</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">July 2, 2023</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">June 30, 2024</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">July 2, 2023</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Basic weighted-average common shares outstanding</td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">171,568 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">172,429 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-

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(Recovery) from Fire On June 7, 2022, the Company's primary contract manufacturer experienced a fire at its plant in Indonesia, destroying a significant amount of Cognex-owned consigned inventories. During the three-month period ended July 2, 2023, the Company recorded a recovery related to the fire of $2,500,000 for proceeds received from the Company's insurance carrier in relation to a business interruption claim. This recovery amount is presented in the caption "Loss (recovery) from fire" on the Consolidated Statements of Operations. 2500000Business Combinations On October 18, 2023, the Company acquired all the outstanding shares of Moritex Corporation ("Moritex"), a global provider of premium optical components based in Japan, for an enterprise value of ¥40 billion Japanese Yen, or approximately $270 million U.S. Dollars based on the closing date foreign exchange rate. The cash-free, debt-free enterprise value was adjusted by cash acquired, debt assumed, and final working capital balances to arrive at total consideration to be allocated to assets acquired and liabilities assumed of ¥44,376,245,000 ($296,138,000 based on the closing date foreign exchange rate), of which ¥44,227,414,000 ($295,144,000) was paid in cash on the

closing date and ¥148,831,000 ($994,000) was paid during the three-month period ended March 31, 2024 as a final purchase price adjustment based on the closing balance sheet.
</div>40000000000002700000000443762450002961380004422741400029514400014
EventsOn July 31, 2024, the Company’s Board of Directors declared a cash dividend of $0.075 per share. The dividend is payable on August 29, 2024 to all shareholders of record as of the close of business on August 15, 2024.0.075June 7, 2024Carl GerstExecutive Vice President of ID and Vision Productstrue16302falsefalsefalse!;C M_=2&!DF?5&5J53'@O$:BQ#RV@1@)?

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M3+A4>083U)XI#ANY@<5K?'OP!C\]+,R\:%UEJ+TY;8O6R4:UYP!:9*NH%GE+
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M^@J)0HWG;"!B:VCQOG,&M? 6$RMV-'/QSHK;;OM^. 26\N0BLPL"S^J'V_1O
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M4UKZH@1,*@QB="(GB%P'F'&P8B$O1RI4*6)G'3 MA<$9IY=H@ 8,86G9&P7!$P3;-
T6/%J*6,D=!=K<#_F"GC R)6NCC?PM MO_=K2T2 -01@13H!F6Y@2
Y"+O@,7XBEHV^_W:OIK>/N=%W"1>FU1D&@[V51 MG5ZSHNVWN[+
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KEX=L:O>KF!'-XG/9>*6VRC-;X'//#\SHYO4
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.^WA3CNKNM5LA2AKZ_*K2C\,.$9B[G)<^$P4NXC2T43F>GS!
M+HHLN;SLJ&@Q@UG9H4^)X#,^).9>GT4?U90'Y@? N3&YC7>+P5/RDYJMA0^Q
M4<9#!'V5[FEVAJK-L M0 MM^_<#,=CX0?*MX?'[R*IGOU\!1V_OFQ_=C>+),
[&>.7ZP3GKF*P^0K MAL(=P"6LA=')6PN#5VUT?1^+<@*49H2F1F"

[NE.QQFE(C1LT;)8$P,>+M?$ MP&&5TVC@C[S(TV?
*+8UM5Q>!3E+@UWKU#V*QTU.5.RG']05X%=T8 1.+#&D\A M]K8,/: A+*
*(;D6=A5!MLV#"T4@P&5.L)6CP&U?G),UV&^9:C C/"09KPL5[I**
MDD&9^^)0Y6$'WR+?F9.X&)%IUPU!4L W>ML]66I-+42,XP@*
MN[&,)_!QKJ0[O$K0+MR]55_75N76\4,/2X0)&@!P_Q;ZL#7?IZ%7DA.K^):*
*M'I7+;*UJ8(T\>.JY \9,+%HY8, 0S:3$6M*^T8K6!SS>@]51'U%>]XIWKS9 MP^/KY?*
*7GQ(*QXIDUP0)OEI_4V =]7=E/J;VID0(_P[)0*]_XHS!FV<,"'_Z M7?*
N$W)NOU""'O!&7D.3EC>&4DD9].V3G&&)50F;>+5K8*$(R..F^J-6XKK^I
*MAM[$)8ZNU9C2PDAIYNQI'?/@2\YO[I*2CULUB*8;H3JT8MDT_I*WQQ*;_*
*MB@4PV4_XC-=)1!BBG4P];CRSR,ZWY]R[9QQ;13K*K[;^90NV,J??D3QJ1^QP4Y]OP.*
MVV^RPW9JA]AAK[-JBQ.Q16JJ=XTEIKSHB 431+
*(E!X_H&$C\05,"RL(AHU).=+I50P#V3.A4UL0=ER(Q*H<(+?8:4[XBG8 7DDZ1*
M.4P3%=BF4JY_FWI;$-(8P8B7]57_(2-O7G9Z\)]WC6M 4375!N=MJHW5]S5
MG!:DJH/N!XPPO==6M<:+@ %">ICJGC\&YSM-V-&>LR3>\F1*P(.XS75B^^_*
M1>>IZQVUJ37WBU5%#2,C?PD9C"U+!(JA%#R#I/I-)MCFQ#;.3N
MMXO)L,VNVFVL<-<6/:^];Z![VE$2Y>
(L,F2B=T0R6!:BP]66R;MU767WT^Q[^8"^]NJV#?& M\]R^V'<$[45
K6:Q!^&9MT\W7\6=P[GR]?+N\G>J@2UH^%&YOGV\^O[XB'6] M+^^NX?\OO_S[\?
*91N?^<*IU]=7]W??L4O?-P_C]RQ.]35.;1>HT$+!0Z.6A*W<^-/M9NX-T9DN<"'D*
M$#<=8!]&X,1X!(ET9IUPG[=T%-"T8UOC-V(/-./_+6\1X.O1NY9\3CI%;'T*
M$P/@3.9^.)FZ 2['L-63Z*T^LRWVO/SUU'/_R)H0?= @LI9>!ZUOZ2$VJEA\ M-
*C%FBX]\[$6R^'" K9B6WYQ[>N).$9=0,,]@1R^ M\><TJ#)X "UH].*N5&'/ M?*
##,7;6\03A!'^6 &K^1?0LP08\:_@=O4?M$+#0;WE"Y-N]\0L/&C7JH\KJ#
M[SHN^NTGY SQN]E!+,ZT796X]Q"FYGTQCTV@F](H8_$/BX"6,T/;/CE$0Y$*
MG;&2]A^@BI -@Q9 Y!/BOP3 I!A..0">Y(+V"6K2A/:%AX.) &3V\VD MH).
MHPLBCS>6HGXLQHBV$4ZGH/,-XD8VZ).R+;H&L8$"B4DD:X3S,$,D:R\:2YE8
*M/^E*FY'M@_.:J4X\J%T]6[P_GV_8+ T NNZ+?\=B]U&?/SRU/]_]FB-5V*O M?*
Q8C6("I%BDY'U7%82_)JH9#AD8:GR1ZNFHY,0B-P8!-"9<05CBW^!1?$@XX
MZFUF6@@$?.KZ 8:-G&.6I$3+Q[7%_TMHLI"T@S3<.I#K^T
M9M<&$OOAN"\\.SQT^-^>Y?_PQ1/1*HX.BSKJ$'=1>+@37OP"G \HVI'T&;MD!A-
C9&9->0P!;U;-(XCJG#KRDNW-!F,'1.^(;A-<5%W!
M6F/B\"+&$AT@IX,QLH*HH2"UV2.,2.,. (%WK0J!D6$+)0?9AB.$%$H_A47X MB.\-
+:)'Y.,V DT?[(T:J>M\P5'C7Z&O%\NMBY[9G2QB'=8HN/KTA+A9.A2 M'=?O,:X*_!!*
?+)E/;G;&8E& -AN!T@!U@IZ8Z6<%V$&5Y0\#C[S\\[(U(SV]]SV V[/-*
*H9*P/WP3%SG"Y>!9(V\=C$&XX[^XA")& MRM&<,#IVK/=C3U1Z%W@P*6I=*
<94&B^E\A^X\PK?\[DF-5/00AF,YZAW,.L# MX48O$*QA@.[2&2/*P0D3[+&A%F?*
<(Q$$)1I!$JA=]#H:Z)YZ-@8D2,6_0=D9 MB 7V,A!5O!"Q3?
*B>49NQF!AFHDTD$@KC3()C7C"#(;7ZTII3<21"G) \2G"1 M6LJA7.*XZS /!](R%N?*
VD334J!TFC&00:?/GL&\U?1])[<]3W!^O6+"=,. J M6O_DN4,P:_K2FN..9 DY1>(GP/L
T5K3)6$3>ORV#SWV P,DR8(PQRFR>((8 M&"A 1"\0F\45SY$M-
*]%I,O'S#S;C@MZ"YSAZ,V-TD_G4DIIX2G("8S!*SOX# MIX:O19#!,5I\#!LC(-*
*PAP1AV!G"U222B)/4XQ.G$8D$'*CK(1=1CXGW[470% M\DZ08@.?*
*FR7H7E,88HWG.O04 1C"-RXQ4&"@)9CS9S8!JASN!*8*
MUALQ;L)$L7<19%+"FA^.H&3DJ<[(PF./.DV?:D"?P H](!8=-)>#X5IZD9-
MC1M1BW;?=HB(SX],L.JDAUW4;5#-ELXX,Q#VXAC1=0^7>$"Q<_<^B> 3EA!H
MAD#8 FH LS!J-ZX!48?.T'@&/H3;%5?X"6-U'=-:XLR(%4D?YF3&>)7P#O R
M$7]#OZ-$!&/%>$T&A,:!;$0H@E+.KQS-A'<'@B$=!0?U03LC00'1(A O1@' MRI@9-*
DH6['E(DVCSQY3@1.8)F:3,S6F?@D&Z%-P&_-/B@47XVD>5=+8@DF" M6I/TN?
L+7IF#&DDQ MK9ZP^ $8'C9"CN+93-1_4/,!;
"6X0LABE)/03;E>K&>2%=JWT!!4VZ5,^46
M[#!%BUT32;C8I>.@''H@)PH:I9]!ZBI:_>SO<=COT$+O,;6R%9<[<=--X2#G
*M3HUPRH.Z^C,Q[]+$EJ_\3P@_D:ZU/.7_((M@[ENHV (6NN=,OQ ;>**
*[&%XT$$R+.%.Z3Z>+*FSZ@;#Y4;:D37Z%W+7)ZFG[*
*M"PX'VE'I,F:RW94W/T&5(Z*X?T8EF[U4Q4U)4;GS(6%X*B>I:R-=^_11Q.GZ*
M<>4QYB%[@YG\.;.)VY4@6=$\BIN_\@ZSJ"AYW-!(:2@1\YI7@6)]OJ;\DQ$Z
M&.3.P+5$=&7EJ50=$;.TBP^;L3ZQE"VR:E,G^D%A/ MA\2B2;5F1PN!?[;O*F"*
[\A[5\:#]F0 .0HOL2^;$OBC4(\GS3++##DB))F7# MXRIU;"82E_"
(L9;W21F[+]A66(W>B:<$K1A#;G$G0.LV'C[O.5W_0 A @4[1 MRQ0G:-

*MQ_D4H2IU3G. MIC0L67*Y0).N=A,(MV0*'^8P MCL=N>0'W/KO#*
(5CRB/,VB"$/E6$>XL[O82+\15N)6Q6SB&!Q2Y'TKBD49:9P MI.$A7B"(D-,;7,Y':\?
9.R"_-APDO)4^GDYSPQ<-!4T GGT%.!<=:>(G-;C\ M3SZUU-
[!8P)L"@K/\U%D\Q]H"DM;]D(Y(I1&.6KKPV #\Q N@Z1]26M1**
M^DC<1</(^Y4ERZKHMO5Q2LK6-$@%%>AQ%.9$SF)8S<@<5GN-4WHD;LI%E*]*
M5M BI9)F8?[BA<2]:ZSJG;C(WS59= (:W](4V0Q0A1[^3_&&@2]7 G C%G*
M,,THTCQ"&X#B<##E*
LR0JF3)60Z64(C(:+Y1#;>9Y''=1$<7(1SSIO*^10^Z5>TS6*@S-Y/3SN\U$W
$Y=@EPS:^A&H_#0C:K8[P]"4YI+YZL(
M"5WZFWW)9#]SH8B8%#KHF8HRQ+@9!MLY$['0'!M7<-4HAG1\C?5DHZ"]1VD'Q?
V',B8UDF,H:+A[LV$ @HHDODJK)9A$' MBDYG<:2T->XHL,G>$=Y9[I.G;%D_KJ[
9=O:3?/"#,M7O.L14>%_^U10@=P MXVHNY%[P3#I#NBW//=3QSUPJA,T)>;)U3G*
*75'=*4FX7=J?'Y *)RA9BP_GK0: M8IK/;F)(-"'K.5$AOA5;.Y781V*;)5H&"/Q?*
*&BIH@&A_D:C3/B12+2-1)%;K MXL_:;K/5R/Q\L=3(HJ#E#C]>M82(""%*ZH/:?*
*MIC:*8WS@#=(QSX>>35CLK M7'1]-U4CA:^L60V$/;E8<+M2C*
A&$:9"8P0(U9W8JBF4B$&7K_B, &QRTEPF MX;U5%+J87$;S6FL[L8-
*5[I$'/@8VYBS:;>IR7FBY2QZ=U*Y%IH4@)N)TR?=I*
M,QHM7HIFB91FWQT&/)R2+W9A[F21J?AHBD7 ;Z/]$LCXRJR!\LS&UL#&0%7T
MF,U[V#)6FKFU])I)$^"BC1,ZG6<>,1UC$"M 6$1]TS4U\= HDA?
E&"A@'CF)30PTL6#&4T)P-X2= MF/['-ZO M5$(%3PF :Z(9J@<^P +
($Q]=A[]\2DJ=&TY!'[ZZ-/\A#C#8E-5 MG)#_G.!?
*K*SOW6:VK7VLUNR=94QK,KYYHTK6R\ /"IU5L[TH:>"FL;JN1*
M#8N@+;R7T1N%:S9OV1QE4=_)[C#TE A&7[E!&;BR8=]1[O\Q4@2R=K\';$EU
*M^5G5A&5=D\BR@)%J/48J4PX,VKS9?- 26L]RUY]*0#.[85&Z=.,>@5EV8&6C*
MWB_*%?ET): V .I#?D"]!W!(EB59EF19Y094)LO:@U;6VPR^BD#P-'2,T,2K
*MQX_[Y/O[4HGE(;^G0]Y ^1O[I&8(\MZ_/VY"*6JW M2D*1B"*
(1I=H<;9OOC_;:^B;$*MS26?M.G!\=56M)GYI$JQVC55OMMNL2K21:
M[?;2NE==5G6,CMI#G(:\LCXX7(Z.KVCUGMJJ5S<<1N)52?%:ZN=NHP)E7BU*
MVPV=@M76ZRSE!50 HXY1"SIM[_5B)(+46246&DXDKRJWJ%U\KO'L(D
[^PM?;7OP_?1:JI- M35XM2K3:
[88ZNMJ0@1"'/H6C0ZM3K:/VFIITU9;D./36._'52IYRM#RE"QI0
*MJR=%E42K'0=!M*0*=/AC.#J\.M7K:K>G2Q6H-,?Q3E0@>5TMKZOE+>3A?>9'*
MC2B-HJY(B2BENAPIT_='32A:48M5$LK[1!09UU >CE3"Z^]H7Z+C.FSU=/(M
M^=9NWI+H-\JT5M'&\QS'XR9IUSZEHSD>2>.X::NMMKR'DNBU6XWU-#4>KVH*
M#2'12J+5IEQ>X%;531$_QJNLPC78*GV=)7G+T?*6;D?MZMW*\A:)5N5$JU97
M;7=D]0F)5KO=D-Y3M9;LF%"F(VD=(B%&!O;(P)[#TT71:^BB:I:\77RGB"(C
*MP"I]C5RF[X^:4'09 2<117)4R5'?;1V*IU>KY:_P@O1=SV3>6>!.SY$X?->V M3*
*4W>K3^D9P[+J$9JS=ZJM[;TB.7;]LE]=5)+*T0EF)@AB:Q5&)IF;'TM*'J*
M6Z0REAH_B[BF7X&K93G!XF51WNCTCOE.7_*TZO"T9JNNUKM;AD26FK-)+#TB
*M+&TVU';AUM,22TMP=.\(2]MJLU74X5@%''U?.N*6Y8B.34\DU^FO@=&W&?S7*
*MM)XO_@K_$RUD8G@CRSGCBSSOPOCB">Z_-7^N?X1^8 UGN]F*5M^T%QWWX;*
<]KS1CK9N.29S@O,S#6"SUYW_Z;^ZNMZ.T7=?$_#06O6 M6KCOAS3L!X
*'[@1@KO0-GYEX-L&8*9?P"/ >SVK@,?JE/U,:'^ H/ 40;$QO M!6./L;,)K&*L& Z0H_53_*
*M.T7)-OZ8\P6O1&,H+##CU+#@LV)]B>G#&#HX[MAA4S;QXIDH6))=GNR *<'>*
#$W[T9JHR-8 \#1L&@+A*?(+28B 691MB+2[/\>7IU MW$!A#HT):Q-D!D# ,Z
*/,]:SB5HD?N\#O^?*XL_CK=XJAN>PAC6(CFQS?K(- M:&TH@S%P;>; 68]B[4T>*
[8\UYG V0I>/)D"_ &4 M!/CYPFP;_TM; 8J#7^'] >AM!L MC&UW1D.B91@&P%?C$*
98X8KM / 6P MLX$MP^1(,1$L84PCX$I(P]QB(AI^PR^-*
R.NC?,"%354+N=O!IS='+7ETMA\-K&00$(4$ 2=)1T.0%W+K=4?U'SALP-7 M=#T2-
*C#S1K=9Z(M5B^K6VKV67-/& M-75J>J-1LC6U:^UFMV1K*N/9E7%-)*
<6GUGI\VA#3F3.&=+V?6UMZ+\-?C5E2 MS-NGW[:3'0N:"$9?N4$9F./"_XCV_Q@I
*EF[WP.VI&Y5\MX!E!&,J#@8H6D%S%R*7'Y+IK\O??B- M#UF>*
<'E.^&AS,7]/.:]E^;S=!(&6/=13:[?55D]6$I9XM6.\ZO34=G?+(&) M5Q*O5B:^-*
=1ZMRD[8I;D.#KOI"&F9"E'RU(:]:[:VC8GJP1\1>)52?%;ZC- MPLU0)5Y)O-JD*
C75;G?/@E>J0"N/H_5.5"!9.EB6#MX6H!U9Z%(B2BY$D1UL
M=X8H[_W[HR:4PMW_)&\3T3IR-+!I>%(!RL=O++^A0!<4Z]U*!_2Y4EQYY0O*
M9SVS)$L',W12'XK0L7KRB='W73L,5G^R%+.P)UN&DK?TSGR:5/I_QUX2+3!B
M9WV/&3_.C"&L\-RP7XR9CW!,YU59SMD"X!;WS'=V\=>^AT>P//')+>]9K2E*

*M;_PQ1=' %+24Y9/.@^_4/U#^6;N7G="9GX:)TW.)?/[:7&,^ZL!V4Z5 AFZ(&8%+2GU B229&!/S M$4WPB& U4X]-K'""N>H6;:SON3\P?S-]X($QO9>RZO M3, (]I@3%,JZII$F3,@FWHFLJ*3[))-QB4=PR"5)?U$J#3,2I V%E"TS^])S5()NS*A-UM :H5=0K(K*%WBB@R87=GB/+>*

MOS]N0BE:84H2BD04B2C5YFA;)^P>X]7V([/AX4A51LQAGF'S6VW#G%B.13F MV+]>7FR_+Q=)KZ%JW:+5@%R=*Q% Y'5K7*A$E%Z+(Z^U*7Z:4Z?NC)I2F)@E% (DH>CEK4 M9I"(4EJ.)J^W4\?\!"AY6VGHDN/2.4\(H<+,9>>MF/& MJU-=;=4KF4@B,:J<&$4(55D^=8RNVU-MWQ0N[[/#I>CXRM2 Y)X)34@B5'E MQRBI 97M1-Z1!B1OKN7-];8 W4[%DC[T]XDMIUI^EBIQI%3W)&7Z_JAI1')4 MR5$E1Y4<]? W>7#^16K[<]7+?;MM\E?>/R4V2<\5^: M8KE.4,9!R#B(PQ-,08"V9&*V1)1:>(M4K2NKD24TG*TK>,@?@V,OLW@OZ;U?/%7^)]HG(GAC2R'C)36/$+_$?J!-9SM MYBBU>O&SU.<;K%\O-EB_2358OUF,@3CX/G/N:FW;^-.'ZS\9D^FGFX]QD(=B M.0./&3XSE?Y,^85:]ZJP1%5Q/:7Y056&\-]@S.#_/<;.)K"4L3*%X5R3AO?8 MQ(#Q\0^;2OC;,V4(?\7?^=;/A:]\P+_)U/#@H\#E[Q@3)G[&!2EZ76_4E/^& M#3(/%PB;P>8_^!DL&J9QG60#+\Q#JVKHLP"W8+OP *#N#GZ<]6E?V9^M7)\9 MLFA=%BQS$*#)!F\/F16$,)5AX@DC@&FM^-[0\OQ_^4]H>'S:@I8>[[K.,P^ M(Z#0$GQX>Q6L5(0)CH.DAJL$ZY!_8?B^.[!HB!<+EF@H#GM1 F9,<%'NE#AE M?,0X"$#^#Y%'L 5_0\@& MKLF&S/,6(1OMD>]80%"O:[W%F1]#PS;ZL#Y5^1*8-;YHFF@8V@"2J6&9N*S[M0>#V83I:".(:SJ!,# ?,: 0_C M A&&9V#A@BAV:.#G,#$B-Y$@OPJ1C9I@# M8&\!KJP?^@ BWU=LI!:_5A4J%]2;(#'@C8%XFW(N"+<"!ZC6^D"0T]H?,@D9 M?ULD@(@"FRJ,Y4_9@&.JNDBX6G-Y[&Q"_B=3^LRV8&'\G P8!R@:5DDH-+&(MFG#,>(>IH[5\!8X*60"@.KR#-!3 _R.#,@9C&G;JN68(E&K#*0,=C*TIQWM M:@"6Y5-NZ=/.7YAM$YDFWZ4Y MJQ].IZ['N9X-2 /,"A#$G!'+X](@&HI3"0UE.<^,,S]E,!O8K$RT4U 3B/O1_)[N1W,Y MWX^F8GI KAX[IX^_$Y5=KM0"J,]!K 5H^GHU0"#&G!I!U8&3$>JI$;97")Y0 M) (MYE!?X;.I9 '\ 7B2TDU4L22.D#8SUU^N?;H L1TBU5X)&Z;GV"::U"19 M(00J58@4?# (MH=+A$. M'1X82M]SD8W%+$1!/89&-AF#B0 R#J/3Y +51E%&'T=SBX4@00M6BZM) 8C MD2)FP?)+1,UK\? PJ2]=8H>"0R!G8+F+%>F7'L'V7X.59_3 U\)@KHA'9Q*<= M\5".:['VD<(4CE D986 F&;KABK?P01>L?XW/EC:$2E:$29PS1'D!X@X(<@\ MP!4\=7'F(!S9R$NI9%4YTR^Y%/=-BN"8V5-!\%QK#=), \Y_Z1331+Y)<8Q. M$=];XB)+[&,UY,7&FWJM@Y"/A/)Y9!A\>K',8"S<#^D/N3ODO)Y\8O1]UP9L M7? E)ZEA1TC-O3S=^=*AZ=QX&Z?\=>]$2IG"09WT_(\S8P@K/#? L%V/FH[.BJ6)ZZ0>L+K"3[,UQ/\G*XG>/ =K5W_O:/\+728 MTE&1N>J..7,WC:L2368 M/9_=1'#2MLY#!_0=?.ODXLYUSI)Y4OTJ@(J-1:*)PE, L+8Q]=EY],&% M/,,9%AS_-"'_.6'SM3IG]2)J1,PL?]I!3[\N/]>U6J_7R_RI7M,*/F]W.H6^ M6+6H;JW=:^UH3:U&]AS%U]1M%IW[K=?4J>F-1LG6U*ZUF]T=K:G1;98.GXYY M3;O$IUVM"?"IM1Z?-D3*Y;SB6W]EK2V]EW$IS0V(?082=K)3EA,QZ"LW*/%R M7-$>T?X?([&?M?L]8$OJWCAO4&H9P4@&2J0@Y;GDW[C9?-_26L_\&#A,1:"9 M'2:!RJ4B],H] K/LP,I&O5^4J['AC'*%_[YK0'W(#ZCW (Y2L2S)K]X-&4I^ M]1I^M0>5K+<9?!6!X&GH&*%I!$Y4UU(ONJX3)G*=:MT QQ/)43Y?X5%9\4MOU MEL0HB5$[*Y>@-O4MZVJ5 *MR99-5KJDN:E[LIM:#Q*IR8E53K? >*5L656"6Q:H.>T>L44#3*@T^Y=+[R ME4[:T+:X6>5F4? LMB2092CD/NJWJ#:G\2*S:[88Z:KM;M%V&Q"J)51L=J<[N46H\!V"Q*F2XM2V7= (D3DF< M6F6BRABO,AU'X4+RE;[NE'SE:/E*HR-EE<2I'>L_W2T[84J]* CC;@ZXG:]*VOT[?O:]!WU*VUV(Y+2"88-U:4$Q3:=$FOOR2. M5@='=;5=W_(B5N*HQ-'].)3JO2/$T")7OM5O>:W72W6$I7<72M;V+EA;6VUV MMFRG66KF)G'TF'"TW=HR E3BJ,31/<6:=1N%@\U*C9WO2ST\+C7CC8@^07K=&*&^.\KB$IC895HU*#8RV% MN>%A>?B9ZR!2+#855%,]!.&MT"8O;]R]%BZSV3.>[$T68I@QH@--=V MLM.+6T;J.7I/SW]-P=_Q]XK66]=S4F!45N_)M?C"FU!&$V1-D@W@+]B2 M-]5DL6_8V-C)!Z0S/&QG:\]2O95%E\&9Q6R8SW72Q_]GF,;U@B$P.6QL!POH M!]BR*O0(Y0 70FI#N[JYH:HX,,W \ $$QHQWK\[7/Q% $V('+OK6>#8LF[K^ M4#-)W!JNW9A./? M8)S @/[U,&C"9<^LA_8SOJ!Z36MN:N^1,? =#ZQ\:Y+]P/9_=L>\)MD/["CZ M8G40X'OID2%YRM'RE%9/U1K5 M+4@ET:J<:-5KJ+V>+$I=EM=J0&5Y3@Z[T0#VE/1F(-YPE[K^WI% MWMK1\=*L? 940P5MJ8]L\R1+DFTFL*B=6:76U4=\R15RBE42K59I&4^TU"R@; MY<&H7'I? 7NPJS6D44,%W<12E]WQ)EE(YE@*2JE??LLQ/"?B*1*L2HY54@"1:*

M[=K5(I6?'6\7U5I&'8S'/(4]70,F&<$.P\ .T;OKU94 MRE7: RR1(!L)#M$?XBB0X+U_?
TQ$<(@0TJ,@@F-"@D.$.QP%$E3Q^USE[T32 M81?
@6[Z:/J(2%)DSG4^^PF)=.%"J5R8UOA I7>T[H?=5('26F) /1G0-T#W*
*MKF3)IQ55M0PJ7V9:_L!C 8=HGSEL:%$AOE^:[<;*LE]+%=^IB ;D-*
(S=Z5.%.L9SURVRL6F9ZTPU5Z[7R+%-4K1,%YFP&N$-%
*MY+)6N;%B'N*PZ0'^.5CX+72&QK/K4=TGPT1TX:7E !0#8+ &;A1&3U5*! 1F*
*MWC,6P7L96UA';M/*Q);]C;M<6!JOWVA3G3XLIHA$*.;&ZGI^8(@)8"K3$JO;*
MN!N3#9E'AQUO:R-AE99MW?P0E"]DT(C%9 M4:TPWN(?H6?YID7U.M<!X-G-
0PP_IEJ0\%LM233XR^ M[]IAL/J3I8S./:DQA$-Z;QX&Z?\=>]$2IL:(G?7A='Z<&4-
8X;EAOQ@S'R5_ MFEZ -!8 M[AGOK.+O_8]5!J6)RZ!6%O<24X?;'^$UK 9V9$ U?*
&U,+N8@_, M=T-OP/P"N Y>@ J)#("=>7UPZC?&/(@KAL<&I[<>'8W$6!#XUDERL*
ORB UI7$)1F YT\Z5.@ Z[%A M"295I58BWDIGWE4UO8,G7E,N;:RQ.1JG)U"V50@^-*
BUS?DSX1BV,8_@D%]-K=>K$Q-:WPE,NRWTF>WQZG=6I-O5B=P+=?E X?
*M'L[6]3&8I@9GH((51S78;M^2URW+:AF#:I^_G8% M6*KQVA[@_LZF?*
*@]O2?!*D$CP'M%;$KQO#]Z5MQMO;V[1..?H<; &.0RP^PS+*
*MNR*VXUWCN7O[^F/,+&R&H'RSH4[8UH MOH'K^)://@9TH#H8 ,6=D19Y(-*
R0=UP9,.N9;=TWZ&Y-BP^?(6M@"QNS=L M7D:CAQ/F*IBQ*
*MEQ37[*BMW%PS#PC:AP?!K:-\-;S!&%>M+WH;?W,-CYC[M05L/']7S'"8.QZ MY/?*
CMXW3$+X6%XZ_M.IU:D>&(%JZ=QJXDPG=0KJ#'S7E._8U@CH8-
_D30Q=+EP_R>K7G<0,?]CS1^Q/[]-!K@12DY MGT%=<> +[P=09/R%BG_Z(>H=,-
Y#""J$5N^WSC0E\ Q^)PJGY/-V@ ZN_YEW M8W/8R
TLSJ,]>,,05Y=5N0W(BJW)H$63#6RZ-\;CF1J6."/8%FB!CLG[4-9K
M]4X+T4L<;,2YAI8'],([/()@-/N>;YHGX=7#TA7".9?]);:;;7YA<%GCK#)*
M+"\62+D^2RTGH!G$=;JX<]C,66 --!0G 0I8"($O"+Q'TL,Q^)ATH)7T-3C_7%9TR-LQ-
@U+T M%HB33I>W[GRQ1-3(Q/@#&U#.L%TE&4SBUM,!\"L!). GKSEC9JL+.IM.;=#*
M$H.:KNJ-9FH.U,D;;7JR>8HRH?MZRYTHW4\9J0";7X'+H;DPB&_W3"PC9D?
M=]RD=K5X^TY]"?WSO+L5EPQGF'UTWLC6X/@C"^2]$YR?:=T]-YU%F:&WXRCB
M?4T\#QJM6:-FN_]DXB H)$!88+%^D#ZVN6-*T:@;>LK-A.$IC)0K@+"+7@$?
M='(D=0L%/3)NLK?F9AAYP,7Q:_XNG/R \=ME#]]7^IYKH$HVB,;L(SWQ-KLH
*M@T!J.BS@[)_\$F0BXL>FT%7RFVT2;8JA#?)\;'1Z%0HV_#>W[RN77*G5ZUH'*
MFS__P>D;8Q&F1N!QC2]JRLT,#U5YG\>HNG@9;V%Z'BJ$/%0A,'ZFV;JRFJ-G
*MF081!^7-OM5&@]AYK-'"0*T2&?5K3_Z?6,?>MAC&[8R%]I8*>OQI<=_,FD@B*
MU+'<$2-63+)F7>23T!?]< B4;S&NWE-HQUP,E)IXF+B\R[3.(WTV2X!<8NX MQ:.-*
YL_45QQL6PUH!VK$A&)-:LHB')!W1,?MCW&!J"ESY.%=RP.P-D86QM>&
*M@*9P6AXJGW$P#(%"Q*\3'@)S&EA3PE.<')LHX/0+(2W+>+,Z!C#^<3\Q??L M1?*
D&FW1# $IN);($CHX'C&+&,_@&9HYRJYPI=R[H_3J=$6E!8,%^=N$PM/K9 M__
*^Z@:/8S(9&#+6-!(#Z-&F@[=\'YV)PM5-]N@<9!*KA) OUD=,._'B.H;I*
*M\E$1N^=>B0QX1]AJA/B@QL:8)>+*0YLKE E]+=A::]2X=Q.OVZBOCM?%-5KF*
M_SVQM&9SJ'5:G?JPIS>;IFGHAM;J]8:#IC%H]WKZ_X--G90NRK<=ZP@K>,/:
*M;_;#,FZ?;KX*D^E<^9_OEW=/MT^73[?_N%$N[Z[QP9?HW]>WCU=?[A^_/]P*
*M*I>_W7]_4KY>/OS]YDEYN'W\^V&WMM(R!2MB;#PS'@GLN"F[E'I@^=$=UU*N*
MU$^@'GZ3X4:>+_R?X!*C.+F&IC,I,\\ 3AM9:_RO,C;.'D%BRZ$7(<..T_P MK7FN7-
*W?/3W" IQ$TI:*:TT!Z1>D#-(V"A-N#5630C'Y(_=%UH^VA]SGR6*(.7R"2$0,11 MH^*
)O/4$L]Z=6 'AZCP"1+B)CI@9,[P(2;G_-4*[-%I:0P5/T!I:S$P,;Y\?
M"P#4QQ^JPL9N,J2)T0<$(J185"(CW5%XYQ.4R8^"W(&10=D122?<8?X^@W\9 MJ;'
*Z RB4%02T"3V\%*7PK7ZF"EJ_4!>&+C+'RQB>^ZES]\K1PY=TI.!2UK*
MO/.I"FEUA2>6Y5Q E)DV$SA,;D.7_Y>\UM'Q&-:$7WVYU4,Q'\8($1#4"YMX$71??
*4('87(!IE)%R!"-4"/)3 IO%V"%X1:Y+C>A%AB MZ/$8KEB<&Q25)&*1/"II*
*"S>X=92GXT-F_0)E DCPP(M>=[M^$\J=8$W*4SY=73_(!@%%!&" >+;IM!8,J5R1]J-*
*FK,W4QQW2*Z_@!> M(66;*WN[=BIJK:/";KVF?+][N/G]]O'IYN'F6GF_'+SJ-*
Q_5F[^Y_OMT[^5 MQYNK[P^W3[8[XX6%4+MTALC^,Z\JD[A- M84%&"CD@I
AHS0KH3!D:&:6>5MD<>:-O]IZ&W^O56FVM:!I^HU/K:HW=),]K MM=
*[.\M1;C6)I^-5:5!L6573R-U]4H];:4+%@0QYBP=SWC.*6W$S;9_7')49+*
MMM$3^CQ)#-R%(7H3^ AC\1-Z%_?HCC_'(4BCPP;UL#>T8/06&BR P. MTF^8.*
*#ZOH Y96/XRJFVU"'AJ$%\F5QH$""N47QZRC^P;L\\=9*R3(^^&C/E MWRQ0?F,+%*
(O_BI)Z6 $@Y^1_.1L @**P+PU+@-"S;$43KM,SA?];Y_=-S978
ME"I:S%485'"P="_=]2C1:@]?N#@G&+H4_+B^>G'>C>ZNTZ5
62S6>NM[ZHCX2@1B=F\W.1>\?$Y[L-25:[X?.M6GM]"ST)1XF0>^7S<:T=70HG?

*A+P7WZ#> MU*4[0;H3=B3Q&K5VLPJH),GY\&<@R;GLY)Q77WA[[^#*4L5Y*K?L-:CK5/NH MW$=E&QOJWBLW?HLCPS(J&N*K#*_9,:HQ*>PHZR-6H3[B]H&@W:,*!&W4E.N; MSY??OSP]*M^_W=\ICS=WM_J:T=U MK,V:\O7V[D9YO/Q\|_3O=+6)ZAQG@%G(-H@Q$%:O.-CF41ULJY8GN4DL:NX, M]5IKBYT>MF27UH+-7^=/Z%1%0G<4!L[B @1N5(ZQ!1R^$L(6)X'J8[\@H0 M\]47,%-!:=:[*+L>V @[#J(L?3S[N\K3*RR>=DDKP\I[E+;+X\D-F)R"SY\9 MM9AUJ$QFG.6+H6JU0<39]?J V7TK]9/ M[/QQAPT;K %EV)\'M@0UG,&*SU1'&,"BV,#_S),R\]U+4OKH&->2$^-;P M3".)0] <>G>C68V[@"W6+F6X=\PX>I2;13RZN#,]6?F>>'RQ/@=BYU31/5F"G MYVE@WG=$;/\ 4E.^@:)+&7B(W[?7I#C^PZ)TH&^\>8"_N)X%=;P8!)!4D%*T M".+,_&P;HQ.%)WZ L/@9G ^MG\P\"[PPO7:0$((M+"W(R&(-J4;LO"ABDB22 M70TCI>6>&@HA=/U3FO\\B4DPC)1^UCY]! GNU?BYQ4.M^B;=8Q66C'7V$M,A M';?94J-<+']I%^$4^98 ^6>/:\I@JE@$!H,L&7=RT=#+VN)Y6Z%V0'U%+ZJO..X:'404-IJX M)J\,@@0+*&PYO) 51,GR+V(#IQV[IFVGZ9[?T2&ZR'T?N+-(AFZ.!#*^&M!.17VS<_+@XUMH]XRM MOA4H(M5S]VF @O]G*Z O[+4PT#-@E3L MY\T*(V4!:1WR_M7(%"J,X_2G RU+&7NHJYG,<2Q_R,;>&>@D[H!>^PDG/@XF M6.8\>J1\85A41[D<>4PX[Q:+@8K$ CW2N_LS4I_[+'C!0G17[LA9J.J(/U_3 M I3/L(*__/578U$NY\CI+#7GRWUS7=/*P-8DA>V:UN"/"U MX]["ZK2Z5GN\^N_*2; []0>B6W+_*OWY[^(+=&5W'G";Y<_B8YS[8X],7H,WOGV%,A#O3MX49RH&VQ!Z/RL" M%HFN,2C%>A,4J@P?6EVE1/*@*VHW],T8,>468WT,?A-W;00&&'"!4% MXOM*&MNH-GN2]X&-RSGVL1C[TJ7<,;++B *DQ$6\KR"!_Z50Z=7*\K*_2"ZV M$C: (:J:"+<<0J]X%7_K+=OCP/MC2Y]!S+'^\,YRH"(O8+CKF?;"(6\=$%R3S M4[U_>=,\2IK&GJ23*<@=(W"]&:4,\,Z <:SN,@8M9=>7+A8W*WQTN6;[7@-T MFPN^U^T"=!ME:5O_1L#,&2;[>/O[W>53WF1?3=]S9N^WA:R<="&!0OV]/3:R M?,SJ#RCQR0SMF3(P0MXW.6Y\C=/TF>+#8?"&;M1HDC=U$_U^Z.9"O$ M2D,' M/J+QDD(&JX+L7PLT?8N0Z^.(=6[5]/IN>L\TX(-&L?#HE4/5ZO76CD;J-+H[M&:FEUY]ZOHO6.B45PY@9>YY#32GY-B[#4>@'48N,W>]GEU6+%J/>LW>47:DH MWDF[*B=S=?_[W=<0[[VF[[;FW?#*@2 M.%T9;O/;[A8Y]_^K\J#VX=%*'^K*? ^T;)L%&4:51-YMD7>3X5Z@VES9<$?B MS>'PIN2HD10? P32>J['%ALMQG1)=)+KP[9ZNB?[-O$=:T!2UEE05)1F4%[^/ M1E5,)61* [BV5Q#RN)8DQ4MXO;O>1.9;K9=2IXZD'+*4U+B4C2"R26+2D-2YA M28;6N++L^JK;PA)=&1_V=KBU^G;XU[YKSN_XV!B7_Q_4$L#!!0 ("8U M 5GYIIYAZ1(&/4 1 8V=N>"TR,#(T,#8S,"YX":)/,;3M$]W*!*4T%"$+D#:4G]]#\!5 DD DIRP MI3IS&XO$67"^@^4<+/S][\MY@!XQXX2&9[WA]T$/X="E'@FG9[UO#U?]][V_ M?_CMM]__TN__\^/=9W1!W7B.PPB=,^QV-/))JA:(;1=\I^D$<'W09.Y%,V M[_<_2+)SNE@Q,IU%:#08O3XO3-X_>ZX?S+QW_1?C^#_G#>C-_W! MT#_!H]')N^'Q\.7T]-WP9(+]X:3_^NT(]U\/G9/^Y/UPU'_OO?7PN]'PS?!X M(IDN^2EW9WCN(*A;R$^7_*PWBZ+%Z='1T]/3JZ?C5Y1-CT:#P?#HGU\^W\NB MO;1L0,(?:Z67$Q9DY8^/Q.N)PW%6W)V&R[7B+IV&> G_S(]$90=OCP=96<&) M-/ F(8^Q'K1ZL%YL-J(GA_)-X+00,P5G\T5$CUE*/^X+A_#)1.%#$R MB2-\!=!=8-^)@^BL%X=_QDY ?((]\(L_"^37"I1>1PZ;XNBK,\=\X;A8:Y7_J. LKR66:1'KZQ$:#DI<.3TY.CI;"[:HUJ/0D6;XO_NQ# M^S@>6HBMBR=GID-'MJ$-E*ZOS!1VE_,UW52-OLM9JI)16 M:DA&'+NOIO3QR*5Q&+&529.H(LE^V#2&=68Q8S ZV2E0ILE_;:V"AXF-]*RX M^&-KF=CU;&1FQ<4?%3*=,*21!=/TF>+!0E]FCR 1Z+UG&9-Z [[V1BFC(\5 M_93\Y]1A+J.!IE, [6C"'ZP"PBF)?'5LE@QK!_UA,C;#\;,OY8,/P*-,F** +6 M^P'Q&B1@#H.6K._GHD(9"]$4SGH<< AP8J(VU]_#OFW]@82$Y/^B]H$SL:T] MD.#@?[JBKA/85AQ(W#C8QNL%^0.\1\0[ZYU3" UNG2FH)YY_N[NNF]9)J47Q MC&? &M7###P/YOR'J%[%$'TE*)$A_/]HDV& 5<^S=A!_DWYNM.R5.BS00;MC' MF&Z].562I0\S.S9:-^0T()Z(H^ZA$G)ZS:E_\XA5>.F9M?R:<#CY.2-B)X MA)Q6 E+P+%YP1'U4L#U@Y9_3.51LAD-.'O$U1,YS_)GR'8&K8ZI%<62.XIH, ME A!+X28OQU@K4/@UH'98S3#$0'MGP7C=0E:P(_W CAZL2:VJP[PT0E$V'H_ MPSC:H@6ODVNA>]T$7$2[-KT&7EJDWI@C=6A):D?G\-E50)]V'1-S M-EJ\WEITBL 52;9=1XKZ]S-PW1D-/,SXY9\QB58[(%;)3HO<.R/D!'!E[G]% M"?\#A*K-]S5CT?/6@OM^)W [W+/>Q_.YPU8 9F&Q(?JA]'8E" I$V@!.-X$H$3=(2-_AH[U+YI6:UI7V^:-B'LD%4_4>H]D?&63&%2FOKMVH'D;% "8\.&?V[PQC, MG58>L_!V+LQS8&S]BYDRQ3-6;3D\K M2;665R+'0/@8B9 +%BCAT2FCFRP@/L>BI.'BY.O7%;-5X\5)]"+[JTLKS)6+7@_.*

M)#!%L(F!%BYE,ENS=H9>)!R[A(QV]7;1\LA)F8_0U"JV]U5FQ).^BJ;.E,1MC;]!HS:W,?S,&733XYA; M7==22:L%0)D'*XMT742B8M'-*

!HQZRFI1UM%IBY"5IE$MQIP&AAH(5)" M]9I1JKSB-:Z@Y(S,,V!@RY_F5/O2

*M1NMPZM9C8X>3.J)"291H*4L6LQV.0+N#1V[KD7>I<3\Y)!3O$QM3<2!:6)'Z*

*M%W@2W6,W9D1<+/8,7KBE!EK/4_)EMIZ7*8:D9K)8ZH$TE%<32S>#[E HB H-*

M#]Y6A?6E[V-7S"N^.)$PU.K"B0#FGS>.[J" SM=.E$2@N:_E:J%,+R05.XRS

*MNF5O*_>HH-.BJB0.UQ:^.VC\9"%ZNRBGAE8+@I(:3%?#NQZI)&:XBJ'/P%^*

M[3R>RT>WSDKT#J6ENF^AAUEZNV(X3>BV@&Y745JDE61CCG0B&J6RD^VFXN;L

*MAL,<-]T1MCN@IA*T.)ON/.NCDDB4RD2Y4"2E'CP@LY?X1I@7)QG.BM45"![H^)*

]BE7"J5)^IW]Y/]ZJ'QIC<#)5=6ZTV98DF.M;(0"=>O^,SU0YF" M+\L[(PZ^E_4-

O@_S4#&B;A&I6''4^H.29:OO77(179Y&5UJ_\J%8MQ K%KN#

M:\1>B[22RJM%NOK%2[D2DW]K#YA<4O'8K:R

M@GYK[EKDE=1>U4;IXNF:/#19H5SB ?4&7&X9]6)7KGO=8_9(7,LP;@]RM)Z@ M)

*PM/2&3+8/"3/K!*R33L>?)?YW@.A2?RI4*[N@!C3RU:"N9L&JT"R&H).6*

MJF1:3,_'04"?Q%=!P$3G#(/-K$?W[=EKL5:2;-58ER?UN42YAR>1F=X! MMC,?,

[!^F8L]@F(C0N[(:[AJ@5:2=55 YV)R5]G@CH);N-)INVR>'8LM; J MV3SM,:FNY_4:*

*2@NGQ&E;A9R,-VF >\L18N\^M$-/?+EJV_D'8&)[$,CKX5J MXX#LW>5=*XV5))_!JZF*

*MG 4LZ8F$HB(+6*BZMC=XPSTY2A4^N*?2D^3SP#O,(T9<^9DF(/@&\NTFF7N0*

MHW4D^T.]ZU//0GCJ(%+\P2WJX;K%3(9F,%W_61YB%+K+-77VIH]2TF/@^-8 M.*

[E?!'0%<9IMD:>Y)YL4HE0T)5_B8Y!QA'_P1X8GE HQY_'O_:KF=8-E2RH

MI1MFZF9YK^10?'^BT+]$A=))9Y>IC1]D52\NTZK7(UM[UVU++1NH*1 ZR[9*

*M[B0^I=NS+;=/*G1:)"HVZA67;W?2^I6W>)P7FE&_LH054CO*T**J[O:KN4Q$ M'-*

/)I8I^LO;6D8,G));8+E%EQDJ+J_I%H5I[1P,#+4Q'K'V M4O=.@E-U'8\5.$T,M.*

HJ;Z:"WTZ",SF!>YV4\(:8AT@(S4AMGD)_/\[&+\? M+?FILUB0T?B2?*

([#&FBNWP$3W"0;/(34+G3]I#B)\+R'HJ1XQ/KB+SX\C3(QU_!>

*M,.L=U58U36YB[XHR'Q-Q&.X.?L*O;_(X,-@X26_"$XC\OM+P'H>$LB].",.B*

MX%5KB'VPUIN)A&);<&1O)6#B@@P#&WVA#'@LSRE;T 23+W@^P:Q<\T2]I.+U

MY9\/]5./SAT2&M3F,W3)&^?I"PN:JIW:PW9OI%*GX01GF)F4*TQ)\[ET@UB ML4/\?*

*;C33-(]>6?LVD:HV24/X(FDS2DL=@.S]=?12L<;2:5?,K6OH97UW)_*

MBO"]VSEYDA$9&%E63,GEC<4!KJ0#^K@JBJ2'@F5MTX[K'[+^^0)6K3WW+L?&

M=,F[B1.('#.\P!-BUP;GT,0CAZU,#"I.:(#>%=OXFENC 6$KFN7&!A<8N2!0

M#,]C>!:Z^A/9@+2L??O.+E)H]8E[!GM@+DKMS\]%^CC]^\'@\']GS%X\!6E MT2W#*

<\)UB.NHVC!4 @PPZHU#[V;"86(9X>R6CM4Y-->IIM#1 MC+TYQ,BB-*

O(BJN;1UHRX%16MR$E=0B-G"P:C1?.TRX34HAOZN8-J\J$WD4G

MY%%HF.]HOBKOH4XG#MF$0038UR&H!GWO!4[^K;7/7F6T=GI2%;@FC?J!WD$+

M>'K ;'[C9QV950# W5E(SI=)2^R>4P^NL,8<8>3 MS"V?D06_B68 R\8]-

E#H@3D>GCOLAV;N]&MT:<6 EM^\>)5<"EF^?W02I3W"^1+.+55-

Z9OJP&LG/CAB4H?_BA.D^&' M&<.)3^OS[MHC%[%B)>^VSI1<8 #]"

*<.*3]$KTKS1T99(YRL?+6D^RYM/6X4794/O%@9^ [*C9 M&?1TK9A1-*

N&47&P#H9JS'$?)E+LA;;T%I[9BGF_:O5PZ\S3[(WLV>9%OZ:$, M'RZA)8M.L=8RV])

[IB2 B)["J9$98.:7G'*1\2DHE:7%KD4NC,6+QJ5@8_K6 MYG]V77R]7&+F$BXS -E]

*(5!UL#\G[O.N^Y](;NOHK'XSX7Y&62121F/Q)8YP M*OXL?*

7.@/KK9@E5+K6(7K&=SL71JEL7N>YX"&HAIJ36KMJDHK:WR7-6YLR!1

M\@F6\5RD^:RVPFPMHZ5VA,F-B['TQZ(7W,>"[$W?K+K7>VCBAX,QL5D"U72

M9:4]%O:^XGJ;/IN\MF9>L\2YY,B_DVA&PLRQ;NDBW1);:R]3\E^=@[?9\/DL

MNTA;NG\T[TF+[3PWX=B%X0PF/J4/O]3:P)Q!6UN 6"D1-RQN;(ANR.;6$K2U

*MBLG>K2A9?M D&;J*MB*4W'7&6ERW5J2=^7"<6J%V\(S2_W505BVK0_4"7G2*

M6SMY2^8ZZYA2__):5J3.CAMR9O:).!-N;4C %?

OB;ZH^Q#Q>^WB59"FH70S]7WP;NW@DJUHW,4

M+'/$#+C4/XHO6M!0M@X1[QFNCECQ:D.[LHIK;T(9QZ;+=^EBWIYC9YV,E@9

MVBT5NNF+(7DKIC39%K7KL.+"EHL8B]U;CR$K(DTZN>H>^#W<@-N)[?*

7Y2L3'E4AYLA O5 $ %0 M &-G;G@M,C R-# V,S!?8V%L+GAM;.5]67-

*;.9+N>_*7_KS3;VI:*K)UQ> M:ASA;CELU^V9)P:6A,5IBO3P4+*

(]O_XF%'[0I$XY)$[NEH+1?-\R/R0R$PD*

M$G_Y]^]'DVSKS_FXR^'BV>"";5ZV^JO\U^B=($I\''HD$)^A*TT,!X\2B$MUSR*

M__OE%\M]Q,(C",0%\>HN,"7#89K>":R[C\T,EX^L]?ZI<8.GQ&PYMVRU]_M?*

7ZX6'S]Y<6+;]^^_?E[G$_^/)M_>2$8DR]6[WY^]O;O-][_32[?S;WW+Y9_M/7]K-

[[MC?2Q_,5__NW]IW2(1P'&TVX1IJD^H!O_TBU??#]+8;&4^H.XGMWY MCOH;K-

X&]24@F4C^Y^]=?O[7/SU[=BJ.^6R"'[$\J]__^/CNRB/3[,L4O].W MHQ?
*USR]>S:;=;#+.5;N?%O2UJKN;E8.O.%\"[F@4RT]=_/B*OS[OQD=?)]AZ M[7".Y=?*
GZRS[RFT/'[J<9 M3R6U>O9DEJZ\:5+U-)NO_N4D1)PL7QT==_*
EA^CW^>SKOLPGY7Q8D1TY=IZ*
M"U$#DK13Z[X##&B2B4*9EVZ*JLZGHX&M%1L"5U<:O?LLU]4(;[R:);O;(4*
*MZU*DMSS^5(:;C^0CGN#T&-_.9T)L?5-+SL M.J3_\N?P?82,)J0(E+0-*
#&%"1!8=J!YL4445YQ4C4>\ LENK,$)YB#O-
T@WA7)^'9.UYTQT='R\^$,5%O]>\+H6S#E\5L MM]HZ90V-
;EM:O9IUBX/R^VR6NY?3_GG)^.$W:?9)(]'W>;JN]9A/V+0U^_&7ZZG@^I]#@Q^=Y
*MF':TU)!D?@_C:<5U*J"ZO'!.(\K9@&4B@7+&@-="0K':84XA"=/:&7@O?:*
M]W])VO6E[8;KQPF-L7KVIZ(A&I?G&4-==J.9[>L\.35"TG>/H2B"8B)%KSC
*M9&%=46B3"T+X7?MGVV5$:(6(*M(4ECY'4+R.2*(!;E*TT6*AQ6-7&9']>IK;*
MZOLZIS>5#KN%G68)^>3R\J"W/D"3AN:MR;1 M:,*X(07/#DM)7.-&;*
*>LD'%^ZW9T8-RFA'G(W9('W-(J%[C"4YF7^OZOX)$ M0%Q(*0&%-@:41@7>H(",/A?*
+R=8[W3RC>_^@1WIQ3XLF[52Q-3O]KL&H#JA&
*M&DOW(2P"\77V]1!ID(I[:54$YU6%DCDX4B/$'&V2'*U-^:%=B'N?\$@WZFFH*
MN9U,FTW^O^/BTJ"45E8+0TZ=41Z4E!1#!L; HLX1O;$66[L'5P ,.9W)K>'2
M:4V+>M@2B#5J\! *V]T<$4[VUHV.TMG[M<5VYR#-\/78>B_<7Z>@)ZM ;^1 M*
*U$]3!0Z!B\$&)XS4*A%H;A.!DJ1,D7F,-K0"QEO0!F4V]::2=L)_AH+_O+B*
MNHC>T^]MZP)>S8Z^SO&0$)-7>8D+0 M"A0C"J1O^\]B!"TQII/2ZVG\4X'V"3Y=X?*
Z-P<|<@D39R#JSE,E3V'2!,8 M$C/*"N:4]ZUCX'Y&,J15?*
*+@SY];TXWY9U;":X\8PS@%YS3BY*1**<1*4SPA! MJ$)N2XE>>L>8R8UI?@^T^D*
MLM^9UXH#U^?)YA)ON_MSQU1=QTP(5@3]+X!EWI+37BR$1!/3A^2299Q'UKS"
M8CO(0]H6[XM8N]1J[U1\>1+&DPJ/ LLN3/ 3IN/Y>#'&[G$KFG0F.%\T,&EX
*M+:PVM0B;@;*TNCEC(N>MK77/0^I+XG],YQ@FX__%_!^S2:VI7!5#'$PO(9V/*
M._K3:_IU^N4#SL>S?,%=9U(1B@2<#/'',0O>%$^^1&1-RSA=\U1K3NSEP:MWY.-
*^(C4HJ38[=T&HS3F)@4WF@%0KM, M @P:HF$11'%&*2^C9';*
(3N/0LUX4K'//&#F,KAXR2V0M0TA$5:6+Y5('LJ0_M3]9KF&MR'W-A7;.R?U8]F:#
(>?><0]",4613@[@I69 P7CA(OH@=I8@[B4H
*MV&]\.\3)L0_F[&BCZK=N/QTB+K;>DKKZ86TWG^X!VFB;Z?TXQ/'D5*W3*
M_&DQ2_\\I/@#Y]V;_SD>+WZ,M"!E2:U!.$MA!1H& 9, 4PPSC+N>@C3
*MMK;RTN>/#(5%FRD&,B$VT9.+0.BB,?,;LBG.?]#6]("W13)EPW,IN*O.7V MQ-*
*%X:;/JZ$X+,K[0HE\!D2$**',!@]J#"JC!Z< A:1HO3QAH>.VW)^Z",Z1U*
*MJ5=.M%))N\+EF^,3/LH@.4*M]:>PT7+P3!;@)J!"16"P=2[T(7NWW_-"O3)B*
M2P4T(T(]&K_H3L."Q4CDG)R3 IQ,$53F :(-$30+66A;.MWZI03\B7JU-
*N\2K,YS]HROV_,#G&$6=1%S++-*Q40)FJ-\M(VB6C1,RJ MN-95A6L!&]*
(2N3DO;MB^YCII1_Z5WW^63KOP^U]C7%S\MA#+-FX]*
*,4+>'H^#.*05M1V%^M13.S*E-#LF9G_$A,1R0DLAXPH1*
*M"F]E\!%*B+9V'9$0L_<@>4&7(N,P"N"_DB:ED56GMWSP(:DC142M&M-*
5$,X*\QH+T M^'Q^INO2>.OBG S:))V!S%0M)Z6@WR<> 8/1266?8FJ]&?$
*I"'%1*W(T5(+ MS5>^'Q3-_S%-.%^$\72YL]J-E^=%+W/7:L2H%45M]?*
*@]N@B.&0OHF(C&"AF: MUY(_MZ0PJ;6*TQK];3,L\R/+U&:QLNX1L.,@^"5)AQ%D*
*.7!%CM6$[6\R)[MR*Y<0S&DB*H5&;:4==N2G\NVZX*#DDN=,*
*0*W2FV4R0N($8RX,F)A!E#*LW[M1=V)9D@Q5#,'HXWL^]RZ5$9+13$B^(B>*
(OUDP3-$2#Q)IHH5Z%IO6[4OU7B9 M\]+ ALD'"EC?35^%K^-%F-2MX]ET^;A1T-
*P;YABDO)1WS.!(QB!0\ABDX=8V MMW,/HAI2F+4E-VZ8O[8J:=@]JB[*F-*
^$^90_X[,]/%1E3IF\OC&:;P8:164 M0 H#HVDMK7"L4WDY"BY' MDX&))&6=\L9.*
*($$4@1A6#)1Q-;%KX^$.*0XK;6]Z5%9+3/Y1HE]:7US().G@PB2EU] D-*
"8.03L.BL;+T6WX]H2$%:8[XT5$73 MZL.SQ?$&(%U$T,4KT#K4=MF:DP44%#
]2:S:'X$KS,Z#WP!E2P-:8&*V4T+C, M;"1SSI)Y4?OKU9T6D7=&8Z$U
MG8'0H;8G+)SYUC'GH[?J=ELH]BC-WECV-A9NNYSD;/KE,\Z/+GJQU^)M%LDI
*M$Q0EU_WCD,ES,V1(N0S>6U^D]*U=H5M@#,EG;J#K;07=T(VIG= 7/SY,PG3Q*
MCI)7UK[L3P$-R:-M M0(=VPF_&AWI9V+?
*Q9#)RK$13D&P11EJ,7.UZXVN&DQE.OG5D4K7.N*V>/23W MM(&6-Q)INRN!K*-*
\]W24O[VP^ZB_/\#E9Y'+3P(X^H-V\92'$*>AS;*(JU*Q8?6 MJ\!#58N;'T/Y$'[4BO?*
5V)@MP4N#4$2H,9:3X&A2 0W-LJPT#Z'UG5VW(QE2
*M[F)+#MQU_F0+T;>NDKEEA-)F*P,J2+53A9)!TFRC%9(AW$-*?_1 MF"7-U=)WQ?*
\YIL@93T1=$5B]1V;D?T9#2)XU)TE 5

M^[@N)72';R>S;VTO2#G_T!ZO1+D=>/N5/6H,CW@PWQV,J9/^^W"'UU=+GU9S6>K*
"RWHKD5 3O&*T?&(M.696$K8_6K(^NP>U+\TKKUWCZ M_=WTIBJ62K96JW!LU);
M/+) P7RL!X9S\"29''+K/KJ;(1W4G:T[XM<.=-KREL%KAO-&9IRD$;.G\;)"
MP:"HJ=$8(*C:]Y2S>EKIM-=9NO_KB H5E5_C+[,8B M2X]\%H"F
"KK4D\H1#!,1R.LYIZWMECWP'ED6/93$*>5=GJT/==2UR-TT4O'
M$S#M!*B8##@3)%2XBA_3N]Y843O@ST6KI5'.43OM+ @N
MB=G2U$;=+D).WA@3BY>R=0^0=7],A"XJ M"FZ!*9*(XC)#S'5S+3+)7#
(BAM89D,V0/G+__B=E6W.=[L +_X@G.*V-2;EP M-
CE)L$K=K3,./$6D$$.49%Z%SLW=IP=!K<,J_[.OA-
LHJF$1V=3T.;R!DM!!0A)*]X]:V=IHN/W^M["/[N6BQL?RW9D#=FQB]^9ZP
MJVF%@]B1=!9XWH#PU6&8?ZF=%RSQLNAZ;6:F5=5C 4]^/1<0%]#OG1%[BT&&
FC;'&<07!<@JIW\3HK(G#N$_/,1I-: M;V0\$N):S-I5.<_>_)1V6NPW?
J^;=LL4YBJU4$*)WB0$R:L8T&IP1@O Z!AW M423?
O!7$6L#6HM6NZG_VODO&;DH@=?]#T9"8S"Q1)!1UD]>CLR MELQ*<-
)+E@HFY*V+V*\ 6(LB/UD*>G,-]&AA5IY^'5S@RGH;';C@,PVN7G?,
M,8*0/FAEG9*B_SSS)4!KD>3GSS!OJJ(V@?G;,)XO.Y]<7.!Y0$OF_QR/E]NU
M%]#02>6X4.3;LTC0@H> -H 35GF/V6"Z%H[=$9^O^\2UZ+&K(UV["--[444/
M.^>OQ]W7LQZW!^4T$.2UU+JP% TP:6G1DSE#*/6"5UOO=?19,M>Z__#]B-:B
MC__)K$M#);7T3&X;^NG>_M6A*Q51HM+ 8SWPHY,'7SOTBR+JF4ET0K5>H=9'
MUZ"/2D+,W5LB1RUO^%M8U-NX?BSON9Q,<'G'>'>UZ*$4%(D' 2YG3ES@!H*0
M&1B:D*T*G//6<< &,)] ->^V;+NE,TNORFS7O2?\6#[]\^QL);F,R(D<2M$.
MN(F\=DYC%+-
X#K:>+XZ2*R%;)R[NP_/(0M^]6.SF1&JEG_X85J,G*F;HY%BKRI'90T%[$X;,
(Q5(^U=^YS*;D?8D_=_:^"CR1,2WD$N MAE8[IAEXZQADY]%[E4QHWBQTT]-
Z^_5Q!\SQ6Y*B?:A_'\%I$:580X8R&TEB MH%B:S)FT8*SACF'TFZK_K[I^78\#=-
T%9_#G(*M24'N:RVH MC1 *31^400FC6-&J=?GE^NB&U*[DZ=-S6_4WH^?I$
_*Y6$?3+<2\"C6MM5&
M9[#UTG&5:I<[X00DR5A.]*,3K6/*'H8QI,XK3XCP^R;4/@QWMC)2'$Z1=[UK
M@$(EBL=H*H,5VGLF1,YL1TT]'C3@K^S7>-R"'INGJ)Z.YM_Q*_'2M &%FR1NU(?
CTEINY&]122YZU8UY.NFG.H=E2H ICF[C(F M[\E'X[Y
Y%I0*%%OG$[2@63"H/+,J]CZ^,O]B)Y"JKPO[C3049^]P6ZZ/F&:
M+ ^T1U9O/9M.+OEOWOOEUO7MOLED_L5Z -.A!UK^ MNQ;MEPB;WGRI\/9?%%O
M>"'O];;+7F1$IM!RB ;K,4]&EDL;#[6^1SDO3;[>*/ .+ ^?QSVZ1A*\[X56:/>?X. M'+*-
Q=&H?^QU"W35[IP=>,7\:M8M?@O=N!O%4(3TIH!G9'B4J/WO,EFD$ S/ MB7[4I?
DEEH_$N*OU=92TBE%8#Y;7TG-&LX^,,[D H7:.*-:PV+K-WKK8AN"V
M[81CFRZICU)>;Z[;-5%<7.3]^WS6=7],YQ@F53:UC/VW:AIJN\ 1,XF[DB0$
M@1*45!D4"GP1E-]?[/KW26^8=UK>5T%_.#LL-
DHF,YX,16E:&5"*,?"^WKRDHS2.BX2I M]>;6)CBW[T=VWS-K*Y+Q]'AVW-W^="
[^1N\X[[F-3#%^4AC]$7P FA3;6', M%/CH(A13R.X5FTIL71S8=@1#\IY[Y^W-
YFA[(T/#!GO;C.$]=MWGPW ^EA&/ MG+#2&%BI_0N*I#%D3XS06Y%A1X2^'?
DE)VW9 MA2-
XF[UC!3ABK@>>#3A&7X3*NFX/FR2'L)A=@STL4W!=IEE8YZ5F@%AJ3%8\ M!$-
VS@K-7(X2;?-#H[T.Z*FO?-MPOE^[L0US!K(N7E_;KP]):WKU3O =(R@
M8N#US2$;F^; M65O V4$VH)6P>MKJNGMGP'-
AO54@ZXEPQ1S6C*NN+_)RO6V=5K+
MX$Q/]%OM.CJ>'DSQOS#,S[,W(Z:+9H&\WJ+JE6LN%? V19!%ZI0\>;_-3_UM
MAWA([DPO_'O<]E=3!;=IN;8NX)=E@?,SO&?YY6^S^DMW@;XDEWTP ESUJQ2/
M%"0:GH%96DR,8#%&^Y#-;0UJ2#Y$KPS\-@"-,FLT$7QQ
M&I3R])//!41VJ"03":]W@6M!QP=Q#:%J:]",;*O3?9#R'/+I$-[.CN?71F!\
MTEQD#5IH"@*T=^#ID1"E+8R^H!$/.J9] !O2(=&AT;*M5O? RW/$9P.@H.#: M
+R*CF=N0 8;ZO7S&KRC6-!J944HQM(;VM/R05R/O'CR7XF5;76Z#U*N$(\R M)
('NNI"&P/9!O]?PA75$Y-))MI*,>4T276@]OD=FY
MY5.V3\@\!*U1'N7\OJ1Z*KEH*60MFV0Q>'+2%6G%1@5,):%RO3LIMFY+=_GY
MV_>(/_NLC^$;,0_GXS Y;=[V$3N)'"&ZQ^S^3_KM92S>H/856 H>0DL: @E
M%5!11HA6DW723@6NF,30^HZ)-6 -*?G0GB:-U-&>)V_'TW%WB/GWV2Q? T:.
MD$F:EBV&==7,RRX.S(-,@0?-BC>Q_16T#\(:4DJ@/4\:J:-'I^)];2/4O3TF MUP?
_1FB/CH^6+YT=RS^(D_&7Y2.Z/V@!O[AGY_3?;>&'M'GP[JY+#P)HY.W4
M;7S$JP\\OX=MU3;A-04[3J!2WA4H2'&.BH&#*T8 %[+0LB19:G[GP[K8MCX!*

*MNLYS/N)1&"^54]Z..^)!==M'5DC)M(Z@1*0)IKB%X)6 (#G-8)%9B:W/'F^.*
M=DA>52^\NW&0=#>;7<4>4VA_)TF_^=O.#G!LYJ]I NW65G@,:O:AJV DTR"*
M)4R)>6<0A^3\#8IPFZAP/SRK^P,CIETRS$80W-0F30;!NRHA)3 Y
M^K=B_MD6@4YI$V>X7'MT6K<"]MJWG^$V1AA:3J8Z#FAC)ILKR4#; O%V-92*
*MN-:Z$NBQ&(>T=3,XKCU:B?NAVO@$1Q2$,U](),II!)5X B]+@!*01.-"EK)U*
*M@\#'8AS2!L[PJ/98)>Z<:LN=IG.H,B7!4EWN+<4SJE[2$]7V8!*7,10K?/-[*
MG#8"N@[I[+\BZ3979Z_[AHLP_3.$SR]?W*KSMV#ZM+Q*
*MF;.V'TL)CIC)2IN(((*B5=8&6S? .,3@T$3%0FF^"_EXE(/JS;T?5K70W^[7*
MJA%ON%J->'_KU76@NUFQF$A9L^1I^(R,A&XR@L;P)8L#(7N19J?9L6ZS-HW*
*MW[_BM+N(*C5:):,58&T]JL^S L^LK4U*]?(^38NM.P1NAO0)K6Z/X=9C[% C M-*
*>YDS;N)]<:.@]"R%@K YD4]7Z# I%) RX4'B,GS*7U >3M$*
*}ILVNDIKF3W1%09!,9VZT=\U/2&X$=$B;/H,AWB9*W"??*
MEOL%WEKKO$CD,WI1V]%D\.@U),=FAN(T5'T3308,FZOX#TQ\^HV0^V=8\A>
MUQU4"I>R+S2I2KV'JRCDKF3N6]?Y; %W2'M'@V'BY@KM,1?W&N?CDU"[Z+R;
M=HOY\=DU;87&L+R3>]O-I$=]_O89N\V'TZP-\ K :NMP>9^Y$UZ3HD$[1LHV
M@=3NM">W'P.M@D9QT[XUXBU MN_OMOK0\U.X!^7FDWZ,I$TYGG;1K)GFPGEM
MLT$^@%7.,F$DNO:MVM;#-J2TW/9LN=E'K0<-->P/> /(J]FD;E3,P^1C%?CG
*MV4=,DS ^JJV_3B?NR/C(I/0*Z/_U%C0RT=$(U\]0G MM?I27@\\.[7XH^*
*HY@B*7#T5*?B-"2%0\ %!":T\)^;GU@'E=0P]V][E0T9% M^A"4SU*
TTCC)DX4HE0,CDB/(E5Q[];N+G$-T^9NP(U'FMO'*Z6O*7 Q4R\.*
MN]7INCB>3R_-5J5T M>HPF_K&4-^:7)X3X"Y[>2/_JXI-GY=9W;!%?;/G$[2..ED-N%(-
*<>^#?CX]B M37^\'D^.Z=73YQ\<+SJ*6#,%12//C>>IQ-JH=YD9CN P!1#9^\PU"TR,#*
(T,#8S,%]D968N>&UL[+UIDULWDC;Z M?7Z%;]^O%VWL2\?,O'5K7EM2R')LWQB)*
("$Q.DJ4D.R9&E^_4V0K$559!47 MG$/6TM%AUV:>!YD/@,P\N?
SS__EV>O+35YQ,A^/1O_Q%_)7_Y2<CC[]
MRU_^^/B:^;_\GW_]IW_ZY_^'L?]_O[7GUZ.T]DICF8_O9@@S##_].=P]OFG MV6?
\Z3_&DW\,O\)/[TY@5L:34\;^=?Z?O1A_^3X9?OH\^TERJ<__[/RWD[]%
MY8%KIUB(Q3 MZ1]@I&%4^/\^___?SSGW_^^==O<7+RU_'D MT\^2<_7S^5__9?
GGWV[_9]J_M1#D>SG_/P M].?EW_P,)R>$>/X)L^]?\%_^,AV>?
CG!\Y]]GF!9B_Y\R164J7#^W_II/^^- MZ3,!F:2SB(Q^BJ-
\8885WWZ_I@O/HME+'!V,FN(^.9G-\4[/H5A2P'?^.@&
M:./HT^L;J<7^G;Y1,JUB[6@=]F.,JX.(O.$9R,TP]_=%)/PO&%ZDX@XLG\IX.S*?L$
M\&5P\42"C&_HR^F@F)5B(;% IYIC(F!H&M&)(F00X12TDW%3\^)5& :YZI?*
*M/N+G*MB?\60V/?_)7-1S,:]'L9!K@W5]A'B" RN<<])9II*Q3'LOF"\JL0@F*
MH0%I>>!=K6F.X,?
U7#+EV>1\9_S"9G>/G#\6A&K'YU,G\@[53\5+]HQH3%+GHQ/OTR M'M&WTV??
AM,!%Y$G"XXEQ,!T +.# MHM=Q9F^!KZ+0GFRXANGE_";:"-3@FH71B TK
35DP5H+Z18.[^X<5=2[XT2 M"HKT7$F&@)EI'3(Y4!D8))VLM['PY@=#CU3XP?*
@\/!.V$78'#" XI^/1A]DX M_>.WN4TZ2.!!RFP)4"(?VJ-C((-G-@9:M$7R;$5C[=
T5+SJPSYFVIOH)QQ M2\G>5#7?5]7/P3"_&;V +\,9G"S!\:QY4MXR(2JS0XS,IU28BS):
M&8--4!JK_59 #X$"[23>PXQ*H,];+0.<4!TY /:W=])7%J4B:]@E$UL?"IN">PC\Z$83-
*RFC M]J4,89D@3/$E+O[]9G&Q_1"D>3\^.7D]GOP)DSP(F S46\YG:YB.=*R1^Y28*
MXS(:J<%+;AH39TN(_=.G<7RB2Y5T8'U<,8?F\;WIF^GT#/.@.(TJ]
YMDSLGGM.Q<[T"Z &$A[0F,/LT/ MS>??+__D'7RO/WI6Y7"5S&]&[W
R'.=!LE9:29=PX%S0;]P3
M]+ENBJNH%YMB@%Y;+4I@,3E)VZ"FR11P+&:52W+!!J>Z8-6MJ!X!C=IIY29O
M3)>\F;-]H(10Q1;' M101%#DBX@864"C^1)#4=SO #3KX.$RX6]1YKWL?\4Q;K0\T=
M:&^9UJ60J0F2^:0%\\:"M5&1Y]':P.]Z30^;LD?%B)N,=_LR_N7PZS#C$]?*
MP/3S@#L7A&=YP+=\#H%31L1#2LR^R!\43K9QO3\ <##YM+NLKZI>+^OXG_'*
MV2+^NMX.AW0X4J:<63?%725BN1))*69ER):3_8?0.N[\ < #UOQN\OZIN+#*
MOHI?%VW_8T1R.!G^+^:_DPSH7OZ%Q%@!OQU]P$0W]6R(TV<3.M)&GZY>W+2X
*MM^4C?!N0/V!0),\0J]\'G(AE\R@"3R;DBI(^B>09A5VMYV'0\"@:L"*CN'6A?*
MM["Z!KIX3V Z'9;AHDS@\F)_3+>9SD[I<#]B]]_N"VU9&N''X:?3B;#+!4?K^*
*M<0)DA:;Y&D=Y_MW)M15?+,MSZ[6TFB4=!1F@,3.O@F'2I60BF*ACZ[=0W:SD M\?*
**Z)^VO(/7>+S_6O9NSJ%P!(5A1@7PC(+YE\;)Z3M=&[T2:O*
M^;0LW/$062#7CTQ_03P08%DL)2LCE)#%]?2:[Y]_OK9;?J5O=RO->0W#R=RG
*M_8WVPMED_CIC^K*F 9U,=ZG&N?7S]B[V1QMHYJ;BP<^FTYQ-J6=^>L0XO!D M?*
LDL0>2WH_?UXJFV%?W![V.RR);?/H?I!B]'TM5T\7JGW^_^/+O0YP0LL_??

\6O>#)/U8=B"_=) M,8R:+L]Z@\:"P+R I(E0]7EKBA]*()#U3D=B#7KN-M.>QVD):V\&&_B7:: M;@*VHQJJK8 >IK:J"XVO(U5GZCHXQX0R,OBLF?26]IQTA=&WBFEM;41O1$RM M XM'P*T[BK6.CEK;:*E+2KT9?3F;3><2$,L,]JJ;AYJ*1:ZZ8S\8PG06G750RTZ;X6&P,L7EQR,&HL[G_=##F;*..OKSPB[-XM>><:J2-JXVG1I=ZYM50?P=3;MQ1IREUH0M9'QDVNW@:FRZ)@A6.AXT*=SD[87+K7);C9^I=YMFQ$W4; MI7;2O&SR93R!&3X?U\6<)RLNS80HN+(\)694E4T)R&+0D2F=7:#[Q3MLGSUU M"Z#^K;7#Z?I&\XE6BNK GOOCP\?)W#;Y?@,9C]Q:90L31:K:L4VQD'A@R10E M94R%AQ6-H/>BT'HTCY@_C534P1$TMW2?0_H'WN2U F\%EU@/YQK*5^0YJ]IAM0]FD$P<=FS=!N@7.(Z9/*R5UT?=D_!7G>=V"BD98ZZ"_R'FFK#-,,\VJ,JW]ZT!!4YVH2#S0="&LC$T;ZA^%Z@#OC \>-%,6XUU0*G?QB/_AM,M_H&SUV>C/'TV>P&3R7>2PJ))CC#DOM0>=/.J29TLTF82R)R9NZG21M^Z1NL.M2/W3J;$2Q]UIH(M8TU<8GE0O9%F@?WDF_NB3#C@4%>A_=!B6VA(SDI.23&:EMUA,'L+2'FA\]&V){:)3I1"<-XTRUHGCP B>S1;\'?%M>XI?Q=#A;(9 !!)4#M7L(BBP#EN_B=T,V6-VJ3K071<9OJLWQ/0<_?=5NX*;(,"X M6B-J51WTYUC00;&$VJ:BDTNE]12\77#VS[XN=+[9"=9.86M)UK 14+W*KUWGM,,IO1E]QV4GWDSYK/:#V^]LW=YGH;B M07*0S#E)EVA)M?VC%TQ"B#%;G@":3Z_9!N#>"0L7#UMMLRY>DR;:Y)[6S;@P MY.TJLE)CY)II70?(A6-GZHXU%$=#U&V4 MVGL-A3).V.@=,Q8"TPF0O*IDZ5M.-PL:X5+[8?/MX9B*UUO54.QC:*Z2H=8 MDV$ME/-Q/P\V#7X?!K524J=Y6#>0^82I M")F8JH-A-%A)SI'BK'#/P7%IC&Y=1?%@:W#V84\C%75=0W$^+YWG I@3,QHK MBY5C4:3,A,E:<9\BM\WGVMV$\8CILJ]2^JV2\$*CLL8RFS7YRHG@18.%66(O M-R)F@:T;?!Q?E43W885&&NC@#-DKS743[$\5$(TYT#(+?1<%'EL%A'5*0D;/ MO#=TN%K.64R1UBC1UX;#C8?%G)\Y-N] N)@W-M&;UWX_P3JO/5HRDEE$@&XM6AYI1&*!%Z#K.28Z]963NK7-=/GT>U;9L)765MR".XB\T]8'*VLLH@3II'MNH06KRIIGZ8 M6/N_U<'GWI%?2.LMRBH-,K0>O'$+G$=$F59*Z<"\OEY9L40%#KP+=,OF7%]\ MNRS((92"H1892!*Q?5_%U4@>$4L:J*(_W_Q: 4Z6V61G/7-_!)/VFNGB_<.&93B+G,+9P-?M$STPKP797;4=B(=: M0AJ*L3%P.A1;EXMO"?$A4ZI+;1VP[N[W\2@M$1NG5)(9&)!SW0,F05)9KY* MV/.#F]DM4Z@%1\R4;7@+DE*]_4MW)% M$4(PTEF9A&[]^GT%C(?,DWVEWM 46E01WLQT_O!Y/)E5C+728P5<5\ E)1US M*AGP4(OY,!![/A5^RR MN.#&0[HO'+A]78V*E9;Q9?,H1!]IQT3)O(C#GDU'1*!%DZZ+AHTK\;\F+W5+]M]' L:3ZM/X<3&"7\\!EQ]FO]ZZ]9^E:&TTE3?' L2H3,V!,E"R9998Y3&)(K0K:.$?9/BCO?(\)Z6ZLEZ)+7GHZB9BG!3%-G&< 63(NK>5&9.5LZSF4-U'TK_@N;=]MI=R!WG^,YUV/"CP[.1G_6;%!:,C\R" ML E)+D37QLS8!>?#XD[GFCJ*O@X?SDY/8?)]?!F@*HL%]M3.89OG=Q^,V5D: M!VG>D-#Q+(MEIBCRH]QU+'BEF*>?.:L@:V\]BUX<3?,&)"/0%[(*\[P/%"?# M(K(SN+*+F3KG0GA2.(X73'F=TB.MOHXU@B.NO*;HMRTDB>6(*:N1*0EF&"M8#''2,Y)R+SY3)Q[V;QA*YUOV+QA&]D?>RG\)FMY:MZPAH)-"-)E3?PNVCUVMQ@JP9*ZZ><8N&;)&>P8V>Y85UK>4R+U-CXZI.S9O.!JB;J/4WILWZ$0^FH6:MN!#H#JDV"NC,67%%*@4! CXU;^A(UULU;]A&43TW;Z!]9GD.D@%WGFGA#(M*MN5HEI5TN/,?F0\T?;O.&?1C42DG]-F]0V9'!JCGCF"69L9R<(VLB2]8!E 0" MH76>[8-MWK />QJIJ/4-Z";('GL"R5;:VSQ98!?1]YMDCB=AYH7EI+BY%Z*Q#P8Q\BK+"*&VN.D MCT/C&!-(NN+$%A)OR(5%KO>*79M@S1>6R:L(Z-(U(Y6UFHFDM:)AR! 76/MNISZ(\$V4KPXX92:^C'SO'\/AZM@F0*6,Z!3!SO@.GL:7U"**:X<9B4+(9O M-M)]]><_#%TVD%T/97?7T@=.QY/9\'\QOQA/9_.9)@.(1B;A,HLA0QVQYEEPM=$#9B#KXP.G'K?/^ML5X[4S^[S,[%1?/=0,7\.;TMGIV0G,,/\R&4^G?XS(M@3ZI"_B%Q/Z\IC'@1_@V !&KF,A?KNU6-:=- HY68F0N(GOTM._Z)=UFP!\QM$SO0;/_'W]I%U*RIRT4(RX-)=!-$F3-Y_(E< M+37;@6^]\>!3J](#HS2+126R2LQR%DS$T6(!-MZ=ZA6"X^)9$WTLS9RUV>" MY8I=@?5/+J:"36F+'"CYLA6V[A,S.Y'B09(VT47!>:SW-/DJ6@?#@BZ&%="2 M)P7)RT>0M G9)(@^,*] T5FA20K*DD6-)2$7W'K_-'%K)\[LEK2YC3Z./6G3 MAEA0I?I^&02MA2X+,,8P5:Q-R11$X9Z2-K?4^89)F]O(_MA3X#99RU/2YAH* M-B%(E[EPNVCWV!D;H@*RM#,SUM80%2TG6*"O,/' 8X'4/'_E^)FZ8]+FT1!U M&Z4>(&FS.&6J_Y6!,RVU9:'8S)*1(OJ,FES?5B)6*5NP*,Z"D2;$4IUMW<'JX&;_[T*>5DGI/VDPAQ,!U8HDKDC9[X5_[1760M'E[/X*

7X]%L.#H;GUV+4KZK7>UK-!2G MTX^?
823D;_27GZ<#NG%4#RSHDIAM#T2>=^:LQQ34"YA--@Z#MAV!UC:8[Y=K*
MU[=+,EEF",@
*M/"K'K6A]WAQA:IC446OOD'E;JI$"9*3(5!@W1@0414G_H&9W5+#MM''*
*ML:>&*9MX<>B83M)7HT0S@&29RS'&0"Z@UZTG>-[+U+"M=+YA:M@VLC_V1)M-*
*MUO*4&K:&@DT(TF7&S2[:/7;&(J*-(FB&QI'5*V6DO2TBLYR\M)!3$K'UK7K\ M3-TQ-*
>QHB+J-4GM/#1/2RIR48QQEO4.$)3^K):DDO6=?S*F]0O.AYP:MI6N MMTH-*
*VT91_::&I6Q"2B@82@],:_+2??29.6M!&N,*Q-84>K"I8?OPIY&*>DX-*
M4]%E<)PSHVJ?01D+\RJF.NLE20C)"VS] N_AIH;M0Y]62NH]-4R@,HH;SH+0 MJ2;-
*UE!E36@RDCON@G*B=1/DAYP:M@^'VBFJ@Q=;MU?AZ.W M(_POA,E%Z>I*
1YZ5JLG8.M2\B8P,:J)042'XK- $WF_-^5V(C_T5PSY!L1YU MV;JIU;0GY493I;*
*(EQT:_AS7;Z:7ZPA>@XH*68%0W]+DQ$+4@7FA?;12H#>;*
MM11K".HATNZ@BFO=FVZK=9Q#7RZ$2(37EL)E##F@9:I4VR 7R0"SHDM#HN2T
ME3)N-BJ^+:XG&K977T/3;H>E7(!?+.;U^&QR;2U%!R\49#)3:07:!0,V=AU
MA]/[VDNM.P]V1_WRW %IWW-E M]<M1[$>0N,.?
EY^XT/#RFTL%7SZO/Y^AH>#'>TFM@W2?=Y,QW6.S[^].8#1[-LHU
*M]_A+7>GS[_4-\IRL!HU0&A)S6&0E*V=*
*Q@SS,I@05B;P#O,"G6S56[*77VU$L'&6*;0(W%1!-U8CY%VD60 M/ L"-*
"N":T.'H[&V=0+&P:AS1\[S,3!G&W4T?X7M/>?\P_^<07V--)Z]F^#I M<'HY.-2
*!;!TXR*O2Y=T\A:PM3 F:S26X_59>^LBX;<^I__P9'.]C+L1:O.<*
M&>ENA98A2^(T4SZ0V5P49]%89#+J$)TIJ(7=3-^W/N>AZ;N=4%OO[[>T:I@-
*M1Y_F]M3O9Q70V_)V;E)-/XX_XN1T."(G:D"$Y*AES>&JV0N\)G(!T1-R2%(E M)XK-*
&VE^TR?VSX$NPHO=";GUSO\1Y/0&RE?S./Y >D$W7&UJY6CINGB"&)UD M/-
E"4/8#<[39[WH-E01,!=V ?_HBRCOL;>%,[VB;!?*!ESR=3AF0%F3OD M;HG$?*
*3*M&R;=1/$PB-!(RAVXEC\B>@??YYGJ X$!R9^F:\DA_<.66/.$#(-" M,&-!T#IVJOMS)*
]9_SM)NX._4LR2E-BUD4SEZI)0AX, ||M[4!7$YT&S5O M]?- =_IN,NV@*
*]2/E/MU"'%X,IQ]'T0O!#=%,5?3HG42CL5, +T7)EBEA8_= M[O +**
]+\2WDW4&VTN\X>T]G38V6/IL@#+!4?Y>7XPB1[]JDHAU-^L4ZK]L:IU_&H_EM*
QBR]E$P)6)]\T%T!$U^ M)QI>2HQ<|>OC<=:8\K<_YV'HM[5 ;^K:M4D8^A%=]2W?
*EMHH>&V *;F3(9LB.LD;N@W5PR!(1UJXR1/?_$Q8N* ?QW1PX9_7 ML-8B5 E",E&,*
*(9,T(YU?]46I":XC3 V*NYY7?'1G?,5_7'7E(& :&:,0RQ!LY<+ QD""R1*
M.$20SOG4>O+!)KC:=8&^Y6F+[$:3$@]>)F:\K^\(Z"M0PK DT01O,(!K7?6S
M.;J^BH":N8HG1.0!KM&?" M(1];IZM9##H$) M8[,0,FL'S=/BU\-
Y8M;MS&JER0XR[:R!X##$8 MQSC O.=9J"SIM,S0!3%RY)T?\19@_)Q4:F%JOH-J?*
V.LX&$5#S9G6B
MFN>2CE%12&R>=@\/A07N(1/'"VNPB&8_8HPFU>RC(F)CGFQQ97:AY'[OT!5+*
M^!V_S3[^B2=?\3=RC#Y/!X5LR(1@F>&:I">B9+&DP%!)J3DFL+ZU/[D?XB=V
M=J':?N_N%>CK5OKXYW@0+2>!6<6B$]7=J7TH7#5+?8D:O(W]^HR/GOFX!/I$
MPX://CU/0==YY>0P:O)W FDX]N@_K$P*;* M[#?$M@9V'5PR, 16%R"?*
*2Z5:LL\%\XJ\+X%"W QHA2%X)IR=LCPR&R""8S]%JG[+VT[K!NRSG2)P*V5&7#1@"*
*[H9Y/ MV+F 'J0*F)UB NJ@6NL+V0X:6(I*IV2D5\VKQO> ^T3%YDKMH%G!'='.4+@.*
MM$D80FW]J>JP1$&[I=ALHD$'2?=X\%T$G!O6 +W$R?#K?&S.E]
<'[8"_4;70RB<_&^6_8_XT''UZENA7B_E.PVFMK ->'64E-;!&YY9P$2|*
MK^^/8^1DF!91O/$:N6X]A6LOP/OG76W_\&4S=2&54]$SGS79[-)P%E/.\R8V
MWAH%_/J\V8-(JM?JH_ZX=S/;J@\|'DN5TG)5+W$Z_#2:7V+L1W:""-D9-R+*
MQ#3'VAR3[H:3V>($%]<3:9X"A]O[Q! MIV(@G0D@_?/F<(9N]YI<2[^NW?NW
M9[/I#$:95D5K^1,F^2(I>FZDM?;Z-WU>-\& G5;;/$9P24I968GH64)'%K"2
*MBNB)D1D>410>A+&MG8<5,-KY\PN[WB,F]7UF,D:ZP!/9]1"C91Z"BR"X$*D[M+_U*
OO=N.EWO46\OR2/WDTMVH,FC8^3KT>6NHF+1@F6@$)F99"WSB4Z5C]Y
M!]UNYOUN(^->'9T-<#UF[WP@]#Y)X8UQ/)C,E#/(-(3(0LID+8GL
M!$=CH^X^<'9\WF\G7-A&UCUYOS))R>M46[H7:9VQ>ODBU'9RLL137>OEW;
(!I@TN](OYWLMG+0=\+[^[,N'[M%BS]7N3[:6?"F^W$MUK[FJ MN]?V-
A+M0LO_]NZ_!BH)KJPTS&6CZL6#+'IOZA0(#-86^O=MKR&VUBH]L\?6 M ,VD?
UV=VXJN96>D?O@^0+ @K'1 FT")/(/6@,3=5'SWP(ZMM6="V' M.%X#H01:+4K=&
('3@@OFU%U[#4X1+# MWU\/C#=1!\N9%S7ILM#C?3+S1=1#"]NG[RXO?K^_B*
*.SVU%UW!CCZ,(/9/!%@7&=(&T7.'DWGLZQO(;AY-_AY*QY M-E!;5-*
WD#'4HN>:91=.+YUT27SGA3>&:?.,:F2JJD)OE/(M9 %D1WD-I_:+M M5D![E^F=?
^+TRF.>PPD)'C]\1IS]6C^"9/_\2CK>>9K71WK(\^\WW\$MWM>$

*MX$S,9$]Y[>A8=YA9X-HP;8Q7,9!?RIM7E7:VFOYSH/9EWXU:TN/0])$G5@5K-M0 >I;_NUN2-7^Z>+PC@Z$WPLFJ?;7LK<_\2J8Z')AA5*6ZBKUPJE#7-]YARM-MK? 2V<872#D+ODQ1ULBFG/< X).(_T!'N7;%,-AB71?&B>4/Q^Y"CU0D7MI%U-M3SE:- JO$>1*L<%E?=W//0O*1I8*@BO+"N]93JHX[1VLK'6V0H[6-@#NH4+KF-MUTX'7!? OC.8,!7>U-LLPL"!94C$[3B:+),IWIO0K0!ZFYG>5]-HCONM(T1- I6>727'_9^./W'KT;X#K,4>"MM+;QM[_M#D+O-3R((L=:ED9N;J[=D@L+U9'1(1J *!3][UZ38;=(4"=CRY_5-M]J?)ZUQ2HF5F$9@V1K#H-7&^0"R@E2W079/*-:".I =-5[9P"U7TD7#R'K_B-MZ(S^O/YB_EG+G[P<3N'3IPE^]D2/WW_!\:<)?/G\? 8\HPL[/VCN(T&:5K6((ME\\D(&_+$LHE-TLHT]GH&-FMBLZG6 LL7CHU3>&T7]_I4#8&8U+%]]:I&[?AZ/68FYHUAS%=+2C-L$U#:^[ET<6 >D_RKV1HH:=R7EWBB-($$6-M@H0F^U$EH=$)ZR*(-E]S)C? *GCDOUMU2T]ZGY;83;6.//3LEH3G-^43UF-M.KYD,18>.6,J_.)N,O MN,11/'IC>6;DZI#;8Z5G7MO(3!')<47^=]HH&'6'+J\^\[YKG1XILKE4<7 MS[O/VMM1:BT+WLD+'SR;#N'5MW1R5INGOO@\',&23&BLRP45R\K56$<*+'*; M20UJ7D4J05_S-&[Z];<^X5XKKYGH6E;-+QGU;^\&!H45"9!ARG4$0_$LHB], M*>.24C:-:+SSB[/I;$P7]@75-M:M(9_3]_A&\#0,*JD+-2I_S.\U:](3]1B.@TA.QEN:U+S" -]QD1U@'B"@VV4-MI6M%'5-P]]UDG,_2;-JC_ $G7X<)]TD6:_#4W@*^FZZ\4>CWU6@VG'W_CV'&-M- Z,RGIS"%625::_H,9,1G)RS[)+*PKJ@5.U656+MEZ,C\]8"0^\\%S:"=:W/-M@)W! -[GM&GE=MOBW;0I@^O]#HLTN-+K-TSE,4B?Q>#I%N-KNN4-M6K\$ZV0A? 86G^^'J]6/W\+H_AH#W"'S4TT11"X=A\B#*NHNTWVS1_4; M"6BDCW%GPFS9''8>D7NHWGHGOUK7Z)-M+2;,;_>-O4-#>ZRG413HPV>8X T$S^C)HT]S'_+Y]\L_>0??ZX^>U8%WEZ2T MLO@0I6)&)\>TSD22$C,3F;Z6I6A0K2=-[H^Z75SH3BS3=6"6TZNCC>@<9RZ# MKWLL,<-$3!KN;2%3$4SK:%HS\'W%?WIFZ?I-4)_*/H;@S_NZKKD+HYU+AA?. MM$^)KAX9Z"H-$F+R-N4DE<*-6KC=3W>5^:-/?HYB*7IN0F,-MAA& <*X_N/V:SH_"OJV\/R76H2&D-N2/%L!)#K&UB(@O%%Y;I3$S"9U"YQ0BM MSA5X2_BEK?ZV$5ACO?U&DCH].STGDK8!(0!+V06FN2DL6AD9@(6LG8[&M3A] M?WAHO]]USF(?MY!9XRS#Y:#O\^Y,F(RO0$2QAI;C# (M92<8)1E+2QTLLP["'8MKG/YX?I345EW"IU(3JOC"=@R9*V:ETB:%;/7UT-;>-M)OH/ !ZG+;2_+AKF+F[LB:P5Q.4R1OG="8Q^AU-*]SB=389IAGD.[0_2S/3]AS^6X,C(=#EA M8=Q#G>!2P1DR6\$)$T3A"77[=.9;-#TQJ:'".CB/WN%D_L9NWA*>A#*]<'H2 MMYE.:QX,L-I6@WE%1JXO"462(I?F'8[70'EB4!,E=>-ZG*]P?M%G$($+XUD-MK- U^DF5@Z9!,3NIBBDTAMIZVU$&A%DJDC.W16T]),W9&J,:JI. M17YN;J#,!CP*9KS,9&YX8#YA9!@<1)6CMB%OI/;]<-Q?8O0H_];GP2KHZA;, M2\@JJQ-D$+UMG42?7&#!QLR,E-J#="'RS6K@=WO^PZ)*8WD?XF7".A/X][,* M? VE$3Y^=S3Z/)\/_Q3R C%D#.I9H14P[IYA'2^RGC[&HM3RP_!"D.\4;MKG4]RWFN>3*!K^_CK-U-R)%9X7G- @D-6HO!U-M;)B3V2F0S5]R=+B<)\H?B!K'9+K,__'O.)T-1Y_>X60XSF(00!L.F!BY_W4' M&W+R5!#,NP0I%.]O.,B'H_D*_$^\[DOY+9M75;?AU;2[Z YUKO)."'F::V7 MNP)M^NH;3M*0!#)0#K3,P)GBH3!MHF%>!SJ0LW>"8PA1M6[BH1T.B;M1T MDT>F60;+HF1XM;@^PK?G.")MS1;UGPOL/^R)Z<-%5";4-KJQMM(.2-M17+)< MHG8RNCK]L:N,EWW!/SI>'D;M-_EK#V;H+?'/?;3IF^4Q_Q\X_/1YAOG95YS M)YS_\B7,\&)LZH#N?YMTC?"G0N9-S1SW0=%V+=QJ+9QTNO6$H)Z7^.CVPC%3 MZ.:.SW9_$>.[:Z>)@O=R0:I0N/M<%9'5B=-MDF>SO[C)./-MGV&TXX53!- @4H!:82M(()L7-^5KW!D8$F7W&HXE?M5[\H]E"1R?YK6BWXL7' MX5[SW2F)Q4ES+HD!^)2%H5M0.1_J=-3-(FI9NV"EQ),B#ZBUY]O7VIZVSS&0 M9L7NV#_76L-N.-.-D8&\\V6N:'[2$:6 MM0G>):F@_UK01FM[=&P_2M*LV!W[O00\?]G^RV1\]F5:=_-P=!Z^?3? ^\0%$FHBNX61!M'Q1/Y.I$7RN8MO.;NZV1/SLY^7T\NH&_ M>%=4=)YAE(;I8H'P"_I*:"LQ1!X*-.?;:BQ/K.M0=RNXM]\[L)>8)DAR>3-: MT=7XY1E^'+_'KS4W8\U"IP,T-K6*B657\]=M'2-L$YW4/!=A@\A6Z(VHMS>4-MQ\6\? C6W@G@[O[;:*N^"=LQB'\WE-OTXGL')U=^_&$]GOX]G_X6SY="V><*M-M+-F, <61QUC$,D987)/C:>4*5',AZ@-;%NITMYM&P^KAHL8+P.[\%6]P4*Y85 M[UC6C[^:?;^ZFH4[7L:3*\,*!T$H\$X#,P$TT\85%KU%)C%;+Z2*W-O-[(-> MT#X:9A^G_E=4&NS]FHE,G/HWF%=+>GD[#51V1#BR=H1*9.AX,GD"9,^<3A*< MY\;;UAU5-D/V:"C9H<)6*I=;[G-4S17+2,G%($79+PV*=)6U-N@3H,6("UP M84KS)AYMD#\Z7AY-X2MXN_.KG+4G_HTU7#_0J^$R?0%?AF30U)\^.ZTSR-=T*

M=)=44^&5TF2KE^A8U+R.HBQ>FZ!=]F7GBWU'4(^&E ?5Y@I:JGZ'-9TW AN7 M5?
*W^NIK@M-E3NQWKM,/*CV?64P;EA*O9?J8(1A'(L\]1D&F8HG$UY2)N-(>@ MC[>*
[OQ[?K<: E$9:TV;(Y-'9G(;LRZ,2ZDA0X$A93Q>F^P_=J'T4&I L=,5-*
8EH5SWS1ED6118Y2NY!:Y[4^L+D'6W'@UKD' MV^CBOO2-WV1-3W,/MII[L!5-
^F@@OXN.[PM_,=G"5;8U]DMVOT3R!'-Q3"43
MR.I77HO>NVT=#6^WFGMP=+3=1K6=C%N^K0EZ4)P<'D(33;1,\^09>"&9E8(;
*M%WWBH77(Z3%TK=]*YUMUK=]&83^A\-)*
*(\YHZ%3L>V#WDA[$*R#@3O=K7.9"WMEJ=GPA&"1E=K*7J=" M9T9!P822R7.N-*
T9;QD 1&8\PFE+ZH4
*M>7^:XNPD@GMT/MZ;,%%G%+Q7ON_FXA@(%920M'*LHRXU[1ER6SC=#72U!>EM*
*M,;)UE^)C6/<]VGO'0/XCW,A;,?=>[=YM^WPI+Y)V')DRIA82&\TB"*C2R$%%*
*MLOVN%^(>\19^N.WE'M4^[I+#]SAZ=K<@#-<@L6A&.B1?C0O+?('(9)U\X:1**
MTM[7\-K39KZGF[E+#M_'"-[9!=W2R%Z4207F3GIYLV(ZFFF@4D!19908C+W*
M)\UAFY4_;>/CW,:=L?=^Q@PW,$I"\8F3%<#";7M7&+*
56$Y=+V4\>041@D/4_2U(8"^ZK]VDX2E8-NP MM+M2L&V4?9RE8(+,
*H^UWZ;P9"X4D4B$P3,TP@OAC!?-AX\]L%*PK3AP:RG8 M-*
*KJX+Z4TFZSIJ11LJU*PK6C21TW-+CJ^+_SU24<%T=$]HU5U)9!%Y)D%)9.B*
MNR:IV/ND[J/A[5:E8$='VVU4VP%=KW@)<^C394V1 XY%:L>R=V39Z"!8D(4S MZP-
:\N !36S,N#50CC >U+F>K\^%:"D^UG)?:4Y^;;)RB([KQ]FV\A'9U:&V +4I4 N=&*
*M%VM93%;5$8**09&!E12CK'_;IN4Z",U-[R&M' M![S/%IBG/>-*
]$4;XUF_%#T"0.RJ]#L./;43? 2_J$?FV_#(>Y^G'\0Q.EJ5! M KF-+M9:H-
IH562DXU)S)A,H0PXZ+ZZU$;L:2?]1G8;J&C>7=0=U)>]QBO2! MGY^-\DO\BB?
C+W792T=N";& L]+5]MVB-M\-,;%0NWE'QZV6BNCO6]-A U@/
MB1NMM=#PJ)@/@_^)_3S3[_@""=P0BB?Y5,2]W0V(0E\/4=H9;!81R-:#E4"
M059[B\P^I8K7:+27U_J&W R';/ZXAZ#_CH3;P;4=OJ3J($,L)17.
MDHV&:>7G+;H+B]H63#9H&T/K7AP;(>N?+@O;5W4>L8[GO\M&I588 V,\ZU1 L(
5J;]QO VMMT7?'A"V??N92E]9:I9-/B3;"/J3#I M
@D@.E=XZS=S!8ONV[LT;F;9WD1B=>&F9!B
*M/6$#':Y2,\>=LSREVN%C$^+08ZZ0AKZ[),SM" X5=&NDW7%S*3>T8]>C6MIO*
MF^#:)ERV$PL.$2%KJ:\[*;"'L/LD@]#>!^6! !DZ*X6,+*(2+$EO0W""_KE1 M4<_1D6!-
*%.P0'-A&QJT=VAN8?JON-^E&7KA;*6< 75L4$+A"=G=,HK!@11$" M(')[[(V-WI2?*
*XY)6X6,NY)FPR#7?,4K;?)G9[//XTGUM9Z=CL]&,S&0*AE1*
*M(F\Y"%)),I*PTZAA2;'+Y;P;G .YJ1Q9D5SKH(!;ZPZH7O;*>)1++ M!/. *UED\8JIXK*
*:0H5YKST+1GA7O)/&M>Z)>PN\^<2%37]<**TT$87E1TK MS[OW6*
4X''VZ//@N_^;\""Q:1LNS90:K:&)+'"(#%Q*Z-#J8IK75>V,]N&Q MJR?-K2U*
*:!@\7;RM^ C?<)_TU!6?LG>8]"YDC6*C%X]Y,1[-2'DX2M\O66*]*
M2J'FFLN<%5TJM3^%]8$)Y[@.DF,2K6N>;@74)L7CQP_[^Z-KF@4C-A9)\(0
M,:./DD5>9Z9"S8?H1%(+3R6-E='5OP"&+R=,J MO10\\9"Y:+WO5P)Y((K?
7\B]'/IU!L'\?.,9E$@"F"+RD5,M$JN&$",/%TH1 M2?K8>MNO1_/0K<=I-Y!'&LULB7[-*
\'6FW5XZ/%&K72X$37V4$!OA\828PH. MI)6%H:]FD2V$4=:..ZA#Y"+4D_/>DV-KB[%
*[;FPC]PXX\1Z_XN@,7XQ/3X?3 M*B2<3-],*
1&>7G3A>"BI24R8TJ=;VL4"Y9,'IE4"=&&Y%3K",.=H([!M-A5
MAS<"EHJH(MY)C6+_FJB>\V)D',OWKQ>3B"\S%%4>> 5BS+'JRM;3_1,)]Y*
M$:"US[9YR]8-L3T@OG2BCI9).PLS>?!_WPV2L4Y&85@HM#@=,V>0D$[/R+V
M;"WDVQR1:;_?AI_7GYB0L^++^YI,+E\QZ DG<47D.#\AS!O[T;A.QJ*Z)Y*
MAR)91YD1EB0CF5CDY&2P5J7;RMRW4]^_/23U;2F\#IJSHV M%L[0&?
E#;\F7FI\8TX%@()7>@E1Z:4$B[D DV (M>$ NG4W@\W1'9 4S=]'*
M=:23#J[\U4AKU=,H#4^&BWJHV6O,M0RN7DAG]'G??_CC0>$) ^>:19'I_$(C
MZ"2SCN6,B,[8$#?+TMN;5EO!?OA\ZTZ+K3-_-\'_9Z$\GPXJX/DUR3'-P*
*S$/@UD$4TT&\;),E MK*O 3#B=TG_PXWHXMS*1)\90>UF;*
*V@ZNQ/Y;&@%9MY[=O3_J1T"UKG1XDX6V(Q;.^Q4_R_]]-ITM3M@4 MBRN&Q**T,*
[19@F:^YG1SE>E>1DQ)=98K>SNT1\"GO;1QDS2N2])<_&CT:2D/
MXYV6V3$O+!VSY.BQ(+$P%-DJ9W!T%F"Q ;X'@M]]M++30[YO6(-OPXA$I39 M]]?*
CR1]T"DYF)#C"_6X\'2Y",V&53$5'K:^;2FLB M"7<^ZB$0H .AWE1YV$OE?
*XPF%VV<+MV]Z2^3\;1VPT]G=%&.9A=K&&"QR2(= M;*A4(GJJPNJL0Y;HB$/!D_18-*
B+ E@]^,'3H4N K8H\[1\'O!/NV%+=/HZK M%36;38;Q;$;6NP:!"JUAJ*
*W!=2(R$%"K8+G&DF1P?K-0X]:/?A0,V5_H*SBR M7X":H/P7PF3Z]@N./HY??*
8/3X6A^OSW__F8TP\D(3I;9'+H8;6^*.3*B!Q,W(@HNSW_P;"E!_&O*

*MH$S[$N%K4WD6;1=^A\FB\>@>5<.;??#>A<0[X&]46]Q@J#6 *JEF4EE1B W! M.*
;2TWDBC> %G4K-NZ[OC[K=<)@[L4S7@5EDW=@P=_^97AR5H^B#TA^R/P2>/4M*
MG9S1^?.:E%5E<39;)EN^@DGM,#%]AY.%)+ZO_H!YWCA=)!(1#+. MN:-&[I3
*MI*VY9-86S14HWIC\'2[G\+-F>N7G]=[,1*3#LH 5B.[D@ZY";Z.:HCNPG:8 M.J*C(<-*
*&)-U3DX=@G++%>:PVO\S M$;.Z$[3+%@M ;($A:T3" _#M#N*DNXM MT;918*
<$N^CJ7QM%+::<+BLCM T<0W#,\!H0@#IZURG!1-!)@!6YN.89S^O
*M].]IM]7;];RK)D+O9GK.;#),=;!"A79>OX_%0H+(5*R30(0++)#?SY*17D:A*
M44+K7I$K@3PP%NPO[[. SH0RWAR6G,<%N&'\TK^XI)/%I@PUM,9:&B-7 /S
MN8[OB.!'"\WZA:Z \,!:T$'@7\W'VNT_/\Y>+\1Y,'2OAY-]HL"W?=S>L=^-
ML3:^/XQ.IN>P#_G!&?*HVNO$VPRBFDHPQSI@-(*LD\T*&F8A"J*
M#32M$Z3O@O3OH?:FL]?O#SJ&5[X/)%49*:3K^2UA@61D@C"6:Y;QZ]OP]-7*
M3+4I#ZX?\T$?BQ!T#4+FKN)&#%J2(49FR39[@59E+%:;IZ7(ND@%*W3>F^!*
MB(E,""EB&:9!R$UH[VY=/[]WL:JN5Z\K=9-HPJK;,K9F>3:IW MOS3NR:UZ?*
C8EZVHZG6=B3<[F\;^!QQRL-8HY0?_0R=#5R%$R+A,/R8!4U]O
*MK,UEVNB!1Z/J_2S-SF3W?[HQUD;^Z?GSYM-0 MIN=PETQ1*F/*
*1'9D]#4CWM2D,R@,B"<\QI!];ITL=EE$*YXR??[]RG<+*
M.]H76GR(M5<5)SM:&%>+0#A3 :U.5I;VT=AM,?;EOS;CR?ILGPZ4 -
=O'5"MS/&Z83<%M[ZM?(:(=/INE"_>/V:NC +%T% M:S&C@(8:Q05AE+1[*
Q\XYOMK[@UDP7 MY<$0> ZMRTH/1)0[_-S#\&0;\;?
N5/5;;1Z(WUZ,)U_&BQ9NY]-4P;JH168. M:RV]]YG%D (+B1P\;4KR9;,RCG5/Z-_7::R)
<6LQMO9R5W@'KZKG]64RG.)\ MJN' B^R"++RZWH&<<&48H'?DXLG
I2.\26^DY;N?=13ZWL[4*J'20,K4#X M@LRC85XV:?Q(;OETT4U##+C.,4?*
*NF*CUZQHS9\&%R'P.W-ML@N.M^^AL@^\!*
*ML*9SM721<;1(9IA^'"]/R'/PN"AI'2AC@O3%,"515HI;%F62+&59HO(U,;WU MI):*
[,#T@JC05_]I$I(9!LP]G<;J('K[Z6H'O$3!;]U%[!\LVPMBJ=._'9UVR
M@H/WCM>AP5#+01& 12,$R\70=D]"8FF=?+4.R]X!LA_=^%P2ZV(@AB(B=Z2
*MW604\RDXEHJ07@E#MV+KHJ%5.'HK?FNAYQM!KGT%>RR!K.L+H?]L,9&D&*E+*
M!$9+XG76>LV@!%<;Y^AL3;#@6ML<:Z <+)"UMXKOX,PNHN[CE@!ZWRPT ;
M.@I2K05UF.!4$]7=38<]Y-XK,:2 P)V63 N3/,Z8SV)P)05*=OD=&C4?*
S,IN7PZ_D!H_R1>[Z2TPG]\\\"4G[RW6)EJ$4=K$ M0HB<_!ZP$%5R\GJ :F\F;*
*(+KX,1H8VDV5T'K!(T?QO%@RC\OZN'I*6]')]_O M=B]7CO6IG[/@03AZ-*
/5%3:_!WYXQN4C]KL0-D>_Y_U #QL\.SE9
M\:@[M\+M8KGS@_=Y4_D")B>_X&0Z>W]V@C06".1.]Y=ZZ_W]FZ)T$''.7Y-A.O\Q.;
*(RB3%+2/$!Q=@6IFM\]\U) MS=+2Q!SJYW-TLZF0P?$ZESH9&\D*ZF1H3*
*.IDI'A!R>8F28G)H)ND 1=)F-F M;JB;E&1FK&MFD@A:_&]J9&Y*W,G3: ;3/?OA#'?*
LV8X,[Y,Z30<5!A%)P.K= MC@L 4$L#!!0 ("8U 5G?NI.<]2,! "=@"P 5 8V=N>"TR,#
(T,#8S M,%]L86(N>&ULU+UK<^,XDB[\?7\%WMX3)[HCC&E>P-N.1EE1>;?__!_Y/W
^ ;6K!\<_OO/_QZ\P:F/_S?__B7?_FW_P_"_W[Q^1UX M5=#M/=_4X&7)<?U7
(KCB0XFVJYI__L-=73_\M^>>?__CCCS]])>7Z3T5Y^W/@>>'/_:=_Z#[^]>CS?X3-
*I_TLRWYN_KK[:)6? M^J!*_? ?_P) "T=9K/EG+H#Z_U_OSU+,OM9?>+G#;]5[_83+_."*
M?:EQ6;_#A\E]\UJ];<'_N_5/G]PYKWO[LKN3B][+HL#U957&:*2S]67/[K*
M.6(_7\"^(W[K8UX=,->(^\$5CV.8?G#&[HVT$'Q^A@=D+F:Y_4]WK"EOKL[*
*M4A>S/C_'KKX618W7"WPM]F0&+*_5+]{)GSHR:J$18]K0Z4SW@%7^M>8;QEMK*
M>; TR-F__R!_6FTK>(OQP^K7S;;:XO7'\NU&E/SWK=P&W];_@:3-5_%J9>E
MC$G6$:,0"28@B?T0,A)C1KR,1R%?U;OO]XIOX]?>E8:>OK$?C"0N#ZCN26O*
MBFU)VSU/,J#V^Y:G_^A(@Z($>^) 4;]2OWM1R!W_MX:1___??M[S?R& ZT5A
*M62^.2$$/J*W5]E^43T4MJ)&H>]6JI*R-G)7I!&V6^=GY7;]S-=UU?\&JM\T*
*M^J5%ZN>C%WM=]K+@DDZ@W7WB9UI(_^>AA@? B[*X-Q>Z+LR_$RWHDID?Y*
*MC MO)2^[@G!CKZQ7^YPR95OQ5X6]P]\4S4NVW59RF\'5W[PBV_[CWS"W]2OKO_*
*M)?OXH#Y8_857TGY=;]CKKP^<-J9,_>KCME8.H?*R_\J5;RP_(YUP?"MM\#W. M-*
_+W+XM-76):2\'DKGCOKT3,?-]/&/18BJ6?'$G?EWL4DBR+8AKC U3$P/S*
M_8@VLSGK^)6G',6PTE?><0SJHODM^#'?@&
+)0$82@D&8@+R#0P_UXD&EFO0"?M%6CE!5(T\'KPI5&_EI_:2WT%>KE!*
M)SC820X&H@,EN[LMXOM[G8XVI.](L$6WO^](IC.;[7?(H=W6?LW^OJUJQ5YU
*M4WSFZ@7E:RZ/S&\WM+CG[XI*_OXEKNX^E<5C+D\(+[]*D5ZN_GX(/F])4/7*
*MM,X?\SKGU36I&M96(2%9*C"%6,C]&64ID:< A&$HM^Z !"B)$\]DDYZ#R9FW*
MVP'+RE26/=-@PVN0-VRKWZM_4.@X5R;YQZTRQOGF)U#T_.\$^#/9IOS
M+"]8;YM][M=FMF$^>6,[?H%D&+0<@Q\5SS^I/RNVP:?A2_NU?VD[[L&>??!;

M+X##H]&<^#K:P69A<=&]:$Z0G^XJL](RVQ^JLEY]5IO9>WY/>+GB/41\@(5*
MTXD@PF$(B9\@2((P#;PLQ2RC.B;]R;HS6^$OM42EJG,J?<[W'%?;LO5[?WM5
MJ.U4,W#S%(MQZW>!A(8>OJUPVH;FC"ACMD$^,K +\E]{F_!TM474^(P(O>:= M^[-
*EG*0NZ#\^\P?YPNZDXR>U]+;$]SO7[7I;WQ5E_D_.]I^YOB^VF]I?X9BF M21PGT*
L#J60\]B'!3,"$QGZ]0S 7##A6$ MPAYWS8#!
(FA:'/#!GB#HN+H:G+GWC%V!ZW%@S4_=%V/BZI1LS\BRI]J+ 3LZ
*MA5Z^HIVA>R/7K_F[_%$Y'_+ >IN3-;^N*EY7;[:UW(@DF;+._]F'E&5Q3*
,$F1]0B.1Q$&(_G_=E!ROE6%71\(77!0EO\%?5P'GB1<3 5/B9Q"%TIW,
*M4(AA%*6,D)"E)/%61TDFTW$<%\QIZ;A>NLV(OC<<@#T+0/' *\.0F9.7H1DC*
*M6PQ;*_NIV %[?J2M[/F%DC94',O?[;D$)U_ %2 -JT#RZC#\Y1(Z5_$N)SPM*
M&^!R">-11,OIXG:V]14O\T=ILQ]Y]0;GY5_P>BN_(:K](AJE2;(#S''T&<)
MDMZHSR$A@D<^ 'R(S\(8VSBC8Y2F]G='-"6_HND#AKRX#?%0).H4QDZCN/8*
MZ9DX9XB8FJX+P# V1EI".C(RX[06-1Y:8C\U"GH/F2D[X_GJ9?'(R_TE9.#Y
MF9^FD".!I3.$$,2,"\AHC$.?4@]CI/81RO/K,0-+>.3WK'\X\IYD51FBJ@M*
MD+;2G67^A()5G/[IMGC\63[3ZI;\8:]2QRLMHCYG!>A5Y?P'[/; =URZP7QW M3?
2.8_FUS#')U_)4V^4G5^V_%K(;ZPZ\KZ1VKFBD1<&"?<,ZN0(-*
F&SA1C+G;9"_"Q='F:\?#HIOR13]W:PO6\S.6JDK
M;O6_U[]OI:.P5A0^;NAI6+U%6__7_Y[O55Y M5:^_TCMUX?=9GCI>"\'E3AE['O)1Q"
*16$"$T@2F+,0P%H$0(@D]WXM6]:[Z M8E)]EV7?R#Z>J50947Z5_=*2!/FFS552>:#-*
#WS/MIGQ7/@%ZUG=[_>U&?I; MDK.K-
D%IP"Z%NQY!^U'U'M\\LO#)UJA0"\5^+&7ZZS-/MZ9FXF,$+[^^8FH*=&_ZU?*
B'1_L=$#\5. R@ MH!Z!R/-\2#RNNXESUC#GWT,W@[\- O1W%>_WQ_*
MF]EP"!2+H.'184#L
*H26\-3/"T[^S3(O6T72>7Z[4=?/71*_ER8^]7T!:1R&$/$PA3BC\BQIS]@IA*MTM-*
*:@5KSK[J_'EGUIC9EV0I$'_!1H2 MU].*20#&E<2E[&8ZS,C05UYI%HTE_51 M36*
X\EJ-'C;?M%6+E^NFX\KZFXJ@_Z7:E>3O[PTT-V^=M68V 8?=H#I>FJL!
M\%C]:=#N0G]7UT)H>G=W#8ZATNOB(JV RQL34\FM7 M HNY
B;B#ET"H^@FI;=+MIZGAP4P=G6STP@J6>0^ :'S/3L"?4
*M5HY>@2];\G=.:W6O^AY7*M]1?A/K)P>$7=W31R'D4W-4&TRCX;SH8(3D,]4> M3(-*
*PO@1!XUESC^%#L?G "\-S_<%#,_L DA;\\/JCP<']4*3IO=Q:&C/-[5Q*
M?!0_R;W5QGNXTF(I[$D!AEOIZ0_8[9FO[Q_6Q3?.O_#R,:>\Z4SRXFESQ!O\ M]07?
*<)'7;R2GP[]TI=2K-&$IP?*HC1E3%3L"01PC'Z8(AYC@)/2X5H\IMVS- M'5[&7^4NT3*
U"L$=.B&\I8'LVW7T>O0VYB7!]GP!NE4?]OA%KUK^*#>1,>E
*MNYW:+3R.]G)'3"VZV[L%]D_X'CU"]JL'U$];BK[XFE3V>8_JG^L]#_;G%9_*
*M)7R>9CQ.81)[*40("T@$R:"/ BRR+(@2HE7^. =S,YO4CAAX:-/7I0<.*M4I M"11-*
\UWP(#]M>EWN\M5HAD"?"7![\VK99KSY/]"_M)9CQ\W!'KKGOD%QZJ.6
M99_%_7VQ:9H:OLI5?^,-4R4ZC9:_XG0M_X^M>!+AR%?MK9H>5VDHH!J0"'WA
MA5X<12)!PL2OT2$ZL[;NZ#836%BQED0KY;V 2G%A.(U%"T4]%\0U-L;W,9(Z M:,A?
*@1T#35EBZT_(WW9<.*PW-)#9596@#LEE:_L,0#BJR#-*
YUB#2NWNU3L$XOV'3V^!8D+^85OJ M=JN; &-ZAW:#@YE.ZT+@+M%"3U**
*[M*KSRRZ75#4IVD%*U?2G+[TU?;?K#A8G M?*
*I*FE$"6>C%$""4P33P/4NH'F&8T2WAFUUGMW>+]U)RT4'MGW3C-2F#K*\ZY*
*M.Z0=2>/\BO+=2>%R5;.4PTYU&A*M1 %W]@R=N;HGQ5;$DMMNMK2IN$L,^<*
M[#6L]+ M"]P&!U<]OXUH+]O;VP:6HQ[>5HO8V9\/O/XL5U$+7I<_E,7V
*MX49U*VWN#>Z*M7SV<[VYOJ]UP_P3R\QL^A5UT) '#7TP8$!:SGI;;J8F\AD# MHZ')*
[C QU.++X3#38CU![31X8NWEM%=/R /-U7S$NB?@ZA,U1L
M^\@];1RL+OU.G!:==I33EMA==[EIDDMWFM,&X437.?UG+[TM;.^J,4^\(D2
*M&*9I A$-"$PYC2'#<1QE(J B,2K\>++^@K>$-GT3GJ*A&;&UE]$P9JLOW@5W*
M@G/T.7BZ^C/=!8[V+CCWL0N;LKXL-BK]5=VUM%\JCPD6XRB$L9!;K]QU!+>W-
]7(,C'=4&_'M^[>$\UU M8]8C.L_3F?6E*
*M=YI]/BVC;:7RL^>@3XOVI(9YGDST3V5!.6>5]O-K,ED_-I5CU>NOO*1YQ=F* M18*(*
,602P=5GEVQD"YKC&$:,I*%#/O<;(C]),6YXU4=_;8&N>$ ="R '0]F MV^LTB'K;K%-
H#,-6%Z%BO.MJ2^IH]YVFM^@NK"W^T]U8_\%+VP7NW?6WFZHN
*MMTU+PK>;+S6N&WO_4;S)-WA#<[S^5%2YXF+78&3?"8L0G\9,GG>]3&X8**,4*
M9IE'(6(1CIF/ X83N\:"3OB;V=0,6Q .#I<#AE60:,>R^MB.:=!S/1SI:]NF MT,W+U#-
*BS_B*S$R>\[Z)6-GZ7<+#FI1 M]]J>8IH%H8AA)J@'D?*
R7]/>2$,8!3EGJ(1X'J8G='J4VLQ4>.A[CA5I@T[. M>G#I649G()C9N8'\AW5'TRB?*
*TZ,VLXCT#8,#!%=CS8.(]Z2(XKO,SX&*F]<\!"2MHLY_[-8JW;*

*[O^!\H_*T/VZ^<*HF!^:\NI9C.0AUO=@1L((TC0*$R^.4Q(8C5*:B]&Y@^"|*
*M!ML=B^!6,@=^5!4#/X%B_ CSM?J(1%4<(*KU7]\R.OZOMVUO*&-V>I&G\U*
M<\%F>ZMZWMOW[,MH"/+]]>M=.D]HQ<@>N#U_,%JP*&O0R@$P+\TKQ4)<=/*
MN^:^U^SOV_8U7@$L5"O@FY&7:.P[SHVP([=S-C87]5CG!ONILSL[/0)7[RN?
G4N.T:=Y/?[4\.,&]>(HQ67;1IQ3J"C?A%G M/^@J2;11@MWLXI?*
X(:_Q6GZ3)0N^Q[(T@6'@R>-8Y@4P8T3 ! 5A1)A(.?>= MI(J>XT#KZWMQPFA#_=
(4T;,@ZNWCCC%QF2[:,#(8;MXT9Z^:\3S]B.MF"__@ MLL.^.1ZS)9.>)?
S,:53@$PGEDZN<&EZZ7[7W/].Z408,QI1X4'&&(4H\E*8 M9I3#-,DRC#*
(_RZA16>$DQ9F/'HIJU1XVN#QN#,9V2/WIBI5!T0)=F/:^G893
*MS\0X!'4N&_[)J071%M=YMNLY>L^4_SHA_OF,V*D'S7W;QN"H*
*MPK7NRL.@G.S$HS,K=;OO#0L?.])7QI5CI^2>]N@O%-GP6&XMK9$O/R*3E2=_*
M:KW%_/@1889>_-C'+])\TU>\W=2']G;32U?8ZYJE1N_3+ZLLL[_.6R+_S>.*
MRQN)+E]E6&K>L,Z/DN'=:\,0;#@">Y;ZV5J$:J29H?$A\SV,8^G$HE/E**
(,F0#S,O\H(PPBQ,+0<"6W"S8);>CCNP9Z_+AFT8!#V' MMIEX-
B]#S_8M!K&9!;1"=Z%,N@N 4>:\VG+AZNT;3] MJ#YNZTKZ7>IR<<52+V&4!)
*'J4IL36*8)D$&?2Y_[_N1]'*,M'J,V,PZW4V- MJ-JI$_+-C(WVU_:#-8X1U--[5[B8:?*
*WA((V6L+0!>]*S3,\X*Z#[MJ1G'I)YK6L99H4>F9)Q_QO;Z@]2#)($^L>5-*
*4:]TEF$WQ[8GIPJQ]EU'*0VS M6'"I_@A%$ 61@%D21S! 89*1T*
LS9MB)PYJ7F>W$2']7T^L1>]AU+TX6 ='T M2D4C@VK)%K .4')V$V//R<)W-
*!=#=GQ[<_F2ENFM!W]3RZ*J5W&6TC#%%**4 M<(B0GT*@R+GM6Y3%C#*
MRY_#\XBT#F-RFJ=0GA7%5?+C,8%ETQ;/"GB4<'C^DQ>V'/K,%;/Y.N]G)7_A
*M=;UNJ\I6 ?))3 6#TH5 $$6Q@(2%&++(]S#WLH!%1NT2M*C.K)Q]'HO*L:CQ*
MUWY6.\!M6F;,,T#]H=JQ9-F?:!1:/6UV#IB9@K\6@M.ND'C7P>@SKCDXY>=*
MPKYGR=WEKQ40KKLSO4S-2Z#OX!49W@]=/E:]Y5U=,'6O^OK@53<"? =CUC4A
M?NZ1ZU-L_L\8OZX)MK-1[+KT7)SX^ESP;Q\DB%U\Q:,X91Y"4 08JT8[21>
MY,,@8YD?X9#&F9';.4EQ9J.M.LT]2>?MSX9@O<^%O^2$> I&FP/CA>!<>'[<
*M4;\">_IS'2A'1)WE?'F*WC,>-T?$'S]]CCUH>QB52L6K>M G/?"3,BB&8!*
*MRB!*HA@2'/B0A3[.XMAC 3+*V3DF,7>@FM)RVV3RMX0O:"M_!([NV?*
*$2D9UBF**N^VHPD:HN"WEJQF5^UQL0V:H+@0WZ[UB24,9BU/IL0;;71R*
M]N'EVIM,\7_0U&3RPW-<<7_N2N?5W=(JC3."_(3#A 4Q1&GDP2Q!#/H+[T+>?
098#Y!0<1P OW SR"(@8SG(4PY6F84)(&7IR99=Y.$YW]7EQP*
*M28=)WZ15%-6I@_::P?B#:MYKZ*EH8:EG/UPC9&8\3MN+@X"E\|PX$XF=)>=J*
*MD%PX25.R&_)!WS/7Q7W.-^L8D_XF>Q/Y*E]O50G=TXS[?0M' M=5]*
,S^*8!QQ3[KW\B<2DA@F01AD:<:R., FFF?)Q\PJVN9CJ>0 IEA1B5G\ M]ZVJ,
<7JWO:"5];W/6T? $TSGH[Y44O9G2%,8$KUIFY\+ ^^97*A7.2TN7-J3< JC4-*
*"4.Q!XL4I1%X2 M*3^>04+\,/ 9"@G7NO^DD[C-:ZH3E$P4U9K +25*
*M5ENXD3YEU6=7GD1==46L%=9_0=L6UVH OM=^!E3%GN>/&Y[*180 MI4Q*
PKT48A(+_2](*-&B>&'R\^LH'T?!\L0_1,H]/9+>P'-=$]?-HL.%:=$ M<-*
:1XF#QA3M0G!+LN./$R4\Y;PK8W%6O!.8LH#B%C),$(BP\F%$10ASQ@ =!
MG!)LE(T[17"1"_B7N"R_J601BU&4DXCIZ:%+',PT<[21GW1J&_+=.L[$'3^*
*MMGPMN>^E_]Z!\ :-]@Z?N[2CW@BAID/5*DI(%O,(PR0+0XB02@:4]@"&641C*
MY/E^&!MU_]0G/;,E&'9S&U>)KH6;X>YL@+&>Q9@'.3/;<=SW\P"Z: N:'"G M**
[/S;G:3A)^I=9TN(.?[U&FO8&=D;LJF<_&W0;^<:_K[-B\Y6_DB$5'$0R2 M)(HY*
G,O#"&C(4H]CWB8]_(JQBA-;<9:0/&)7^0'[AK:OJLP_!CB.G9"$URI M29T?>-W.%-
O7LJOF4SWC5Z!A73W0,0\4]^#C./H7S JR0,_Y_" 3'IYIII % M3.?G#-DL9F?
KWA<;_NT]+O_!ZS?;#:NZXK@P(EQ$.(9ADDIC)CB!:1QQ(\Q M:M"AYX?*
$:!S9:3(S.S@-47#?4 7YIJK+I@+/\/[^#$)Z1NARN[D5 MW<&98P;-
*U1+16<+]&*V%,^TUQ#Y.L==YR*(UP1NEI+3"+/69%WHPSG*
($5'Q!HP$Q"EF(45AX=:A<)&5&?6%1\ +QC M1$V]Q!TK\0)^_%!*
(O?!3S5"C&;SC5F$VT SO,Q5>#0N#!%V%5\|%&+ Q
M!TH&;1+F0,NN;8(;U,RZ)A*/]I507NQY;HLF,IWT'7!^&$[;TD>GM7)Z%-9*
*M/.:,LQ???]W4\KLF3]U\(O6]1DGL18QCF&&?2^/*4TBB$,%(L(B1 &-,I'$M*
M:KS6,T#G9F=5:@U@91/0]1^[5$;S'J?1LW8+3,'P)&/9D!X48?-')"GWIO%"G.;
MG%TN8X037V"!((U#:7H2(B!)_!#Z\BCGA]+78[Y1A;4Y"W,?Y90BB77Q1]6V
M)#AE<_X\E]$Q3!F=%[S9C= L.:CVF"QNEYXGE]4>
*('L[Y2@G]M'X]0O8YZG,&4":%LZ1!1@AM*BF3PO\5*,UGK (&KTL;C?\:Q^3DF=A*
*MB5C8Y,!\;/KA7V^DU:"J(.61JZKU]BO+4Y_&-*4PB*@'48 "F/F^@#'A81 **
ME@J]K@T7\#"SKBL>@)F$/RP!%,C8#0_1*;!9<4/&#*

$&L#:8,I9KA_E.+SVR$!RUH%#7+[CH-"GI. MEJUL9M936RSKOCI#_AUWU6F6?
I:>.D.ASG74.?B,99V/----?M3KID^,&@12 M;%1^1_,]"N) X#3U8!;Z\C
*3ICXD7I9!)H+8B[/,BW%J5-HS1FUF]6I)@CU- M*S4;QTM/[YRA8*:*
(Q@"8U^+H".:J_&:4UK(5-SIB'Q79:#UDFX_VV"S]=M,W
M;>Q:8WXNUNLW1:EZ0:U\X=&,D4CNE""B&4A)$G&H/1>_"!+@RRF1E-4=8C.*
MGJO6LJ!&-^[:5?9]77]3?(".$4.MUP)43_E=PV1F UP@9)'JIB^RL\0W#9(+ MI\'I@W"
<%&?PK)W)>'W_L"Z^<'4S-GJ7;[A;Z59:_KSTRCU,:0B$!#YU(-IE& 8$$Q#CS _,"O?
<\S?W+Y& MQRWHV.T&^I&CP7_M+/6NY4PAP)YKT++=C$R6.
[7B'#2L&YHNUR]6S\H]X^LR M,X@G)RT.JP9>M^-_6=/N^"5^R.NV-
7T_PE;OU1C;S)D =&1>77.WJ"6>"=JG M1GLN,F;VG5.V:F8VWMS?ON?U7<%N^-?
ZA:3Z#QWS._+XS":TH0IN\GMU5=N2 MUC-\8Q/&R]'PIH9H!-R@M\47= 0=F!2-*
*,0:Z3TFG^XL F5[0S"VYB+*K"%4 MKY Z'S57JIL2-UT_R_+%M[<;UK;IT-2H4_.?*
IO;D!SN;=65RHR0]//'G&WQ M6E^]3LH^K5N7BFVF6!H2N^M&,B6>E8=7'*
Q[1H39ZA:HY^S;"+P9!S0_@[X M<&S02J3<8VD:PCA-,A6?
S&":R)]\%@8Q3@F+A%%7;UW",ROKFWR#-S277]"V M5R[-1"
*[G'_#9@*Z6(8\"3VA1JCZ)((H\$*(A6J3'B7$SU 0)%ZX>N0E*9X3 MS2$#^GA**
[/[WO_JQ]W\LNKEI YCR# =)YD$DHABB.,0P]4(.>8A9Q+Q0(#\R M28:>Y4N-
O_&FY+]O^89^:RZ'/(QB%F<8)DFB0F)I!+, "VEE M11
R/_$PCXSZ9$[3G#O>OB<+=G2MKM5T\-,S%HY1,0ROVP!BWB]37T17+3,U M"*
[;-5,?@J/&F0:/VO:-?UG;07>MP9R(E9=YD? IADQP"A&-?4BDMPH
MBBAGTI&EH=;H>CURZVP;J+0>'[=V&(U),&\F/ CAN"-S#8F8#+D7$HK.| MCJ
7M)F=0F!X%
*M=BVHNOZV/>7N0FB.]ECCIO$W6*UC.U@QH1^WS;I[&'S,.\;S=5+C_9!;D^*
M%>N\;VQ$'?4"T)]_<:"H>.-NJSLMZT8%?-- M[>Y5UXH17-
*]BU7,./"4WVR9KANL\FZ\F#\^Y*9O!-+%9&RYF9P5?;"MI3ZNV MSW65-*
\D7;>N4OJMRE 19PN1I/ I]-9PYX3#SHP1R0EB0"!QA892R-DEQ9G^]
MIP\&#.Q:KMOVIIZ&4<^<.07'S'1=BHNQB=&6U9$YF::WJ.G0%O^IF=!_T(6 M>-*
<=]DU1_BKE&NYX W^^JEH*54K'*:Q/+]3R+(LA"CA,<2Q'T@/2#"2L5#X*
MF5;QBQZYF8W!CKXZNH-MSP&H\5?PT/-@4@Z#=^X'7 /BID1V.,A:8,=\682*
MY=9\#"HT76*BUTYKM;WY0HT]\E_2)XDBD_'EX;%W4Z1F,KI9G=.2^@L_#A*
M.6'LDCR'"RV7V7F"_8-TSE-_MRR /9V7O3^ROOBV_TA7(=!DD[85[<.;A+>;
MNI2GU9PVUXLKWR9Z@':",>BEB0C3Q/,S;%2*/ANGR]T;&-;:*
*MSO9J],XHWP7@9N9E6,YR:%SV7*L;4!N HC5/_2?,ST<#$*
MJ!J\1UY^,SPAG5]A9HTV.4"8R#U]7'(CLIG#C-0>J+SG:&F);0Z48TLN]CY*
*M:EJTX6E+X].6G;NZ@;A*C?/F4/R9J[BN)/1>_O=^>]^^S_;O-*
6IAPLF&/5CPMN(37,L#'5F_'GA4P,VO0*
*MLP+VO%R!'3>@8Z25FI+*V:XG.F9!QH(8P2S!2(TP#N2Y();G*
*A)+$\0]A!.C@6$3]&8V M.1^:N7ZTN.?@@9?@#ZYF)'(&L;3S^)8#VOK"*EFL_1'RW[?*
Y(UZKF$$SQ-RP
*M"_T4O'J&R"%H9F:G)ZP:M+1QE"O0$9^EC[RFH*XZ>TQ06[93AY[H1YTW-!^S*
MN#VYO:U?WFUN/VVJS5_P^NWFR_;^OO6&JGIS0U0SINN'-5G_K>PZ\^I>L9@N
*M/'>DX/:V;!+IP,L[%:A1I^-/\O-*Y]N14(4 UY1N[!%WS#15XWMX77 M:WFDEBZYZR;*
($XN/"R7L3.!?I8W_%2K5[R._5=>N1O&Q=A5TXK MOVG503GM_F)3.A0?17-
*=73:AWKHN<[*MU5,WQ2=ICS?U*F">'W1HAI1&\C!'*
*MF(!9E@8PC1/\Z(TC>/0I%9^9GZ-K*WEM+%6TTO>:G1=_'Q08ZZX;\8ZMDP;_M'@?*
*G?I]Z/MMW])8,_T^*<7# .6A9!S^^*ZKJIU,=_89#1/9R7*FT:&6_I2Q7*
MH),&#,51[[X5R)T3N1#RCIS0N;E=U(E="/JG3O!29&U+I+_3R#.KB3Y8?
*V9ON2OY;4B"GJ9IR?,A(.,& MU8&8AH=>(PDM2IA/RG%!S?+A>@L7*9\4YK@J^?3';*
(N\'OFZ>%"%3_1N4ZR+_MVV^?52"G'[N5X2SRDXQ"7[! !:IS:PI5/6J(?USCI/68>
MA'I9?.%K3N6WO^M?8G!1?>K9!705;]1(O98PZ"@;7U>?E'LZKG.IR&9J:2NM
M46QE3"2K\,G)!1>+D(R),PR"C'[.3(^JLMY/X/B%%
[KV.4IE9[8;DC%IRC4,SKF_.!#93.A-9 MM15-2Y:Q#4\N,-
*CLY+_V.C>^]B**IR5>KWUZ'[9HHHS)=HW+=WE5-S%HX][D M9Q>86;LZND*
1OC]O3@O]?1NYD1@,^T:RMIU3 ;.&Y1/RF770?GLJLNU49X2*
M["7\N2'[4Z'[^0!D_/=/.QWK7E?^.X?),_\E4B$)'GPAC2 MC!.(N"=/BB$3,/2\B+*
D9$E@=%PT96!F]95?DLSLM&B,H-[Q<4YIT+
M&^.^W3QLZ^J=.A6'780EHBA,D:^N_@(,$24,XL!+(^\U/-$B @E5@UQCVG-
*M;$]^W12DXN5CLS>VU,&/#7T0_F39"?<$8'HVQ1$,9N9#$6US$ZXZ *3E: &8*

M(1RE(:+KSKG.'V7.7NKY;MNNB>P"=%:\>KVP[GEL>_C[SOA2$O=J6]DMD,Q^NZS(*
M\"051,#(8SY$(HMA1D,$&0XB2E D6,(L^C1.$M;2TXM[,NXY4"DS72IZ-5]6
M:8FCIGUS HN=^5*DP8 V:(EW@T*OG!?FZXKJ;*#W%+V%AWIKBG\\V%OW0?-X
MZ>O?ZV_7?Y2L%NJI=,2\A&0I]&!/FJ6 /A23&:@Y2D :1(!YC
M6AE^EO1GMEVOY:LM[G,*[CB[Y9>.1S#%5C,N-!]BAK&BEA'0Y_QOV ;+#7<]).
(K02Y",!283=USE2SH_QQ8 Y>?Z7K M+>/LC6101]DR":M^X@7=L
O7:U05TSZB*I_"^%9AJG-:T0@,_-O]7&2;] MN7EQFE9GZ==A:*$&[
T[:+P^>!$O#U_$J9YLKJ?Q.L7-E0%TPM.RQM(EC$>& MU>GBMI7XI!XTU7CBI?
VZ*3E>Y_^4UK^HJGZBSRJ4)[,D\WP8^YD/42 HQ+X?
MP"A(LHC[7AR$@4D_)!LFC$RL>9.C&_4($.IFYW$T4\4=JGH&<6ZLG!_;KL">
MJ3;8W+/ELN#?'A1G70 L6%BX-8]2,?] BY8R\Y2J=F]ZG^O=_UK[:J_>L=%.Z%>Q/?
CE\PMUVY 0H1_O29;PLND$Y@>WI3N5F M48N1O2]QN?
Y%GNWKS]LUORFQFI(PR,4?#(-16Z96AJ;UNG,J7[DM2X53B M1L?
1L$SE<$(1:&/Y4TF8C@ UF&,[-[!VHVTM 78TY/823$;GWEHMO-PHW$OD
M/IB.>]%"%E9'-^NC2WE[_;7MY/L9UZKC9MG>";?_O_)\FGDLX3!C0C46DC^E M-
%*U.RDA7A1&*-4:">J:L9FCJWW")__:=SE6^>?MSR9#MEV^"HU]X9D -K[1
M&4M+>W.8EG8%^G?1W*);WE=K$94#K8W.98W_[RGS?
5KO>J"_0_NY"YRMEN.)1._J>2W^?;^^KM MOBO]*LO",$U9#!,?48A\SX=8A"'T4A''?
LICXNW*4?5S \P9T5+HP_)4PQO# M
3]W3^LBV^:FPAMYB0VZ7N3K+W,U1D5SY>2=I+.O&C8EYY*6-?MA.
M&W\I"O9'OEZO<)#@-$TP)#[E$.%$'AVS",$@H"*3RNF+%)LH8+_PS#K7DS%3
MMIW4"-.$2 <1DBQ,("*"P90B D../0]%/$MH:)Y&82.[=4;$"[QN8EBX:DYK
MG#8Q=Q#Z5T!^XT-+8!AAGGSM*<3$3R$*HD"EEH20^E&41HA[:9R:YC+8PV*<
MEG (RG]M-QR$7@,(L@1$SQ+;B&AF?">_\,:F]BG/CJSK;ME%#>I389[:T*._
M6SHQ@[C@JV)+:K%='TD27]5.-@#AR7,V>MC/)???TS^T,WYOB!G_] M:U[?
W15KE:2@4GE/'H%7L>^%G(0Q],.,0L2S#!*&,.2"2>,28)[$R,3SM65D M9D^Y8TO-
2_D*!OQ@9XF6 -?,-KG'U=A,70J*(\-ES<:B
MINQ2L)X:MXO7%_B92$T,W^4LS6P"C_M5#.^'#0-V#EZ GLE;%E8SXZGV[
T'/)K[G15IM" UHSFSEVJ3I]3.CU+Y+!OYZK[M^Z'N>V6BB
19%"#;T@A!D**8RS)!0DX2E%1CU* MQXC-;!5ZTL:3VD:CAO0LP,Z?E0?
SRZ57\6.>_8<1F2T8' 5 M=QDGMFQT14OPHQB*WE/F(UO>2#F*#5?)2X]
<6ITMORFDZ?E=KIZ+G'9YKO(<
M\H)ON,CKZOJ^UIW=8K/VS)M\QQ+H>0)LR]7;T7()',-
A+1>M8QZ/Z$R<2J7O,C*K5\4]SC>K MD&*4^"*#G L.491RF"+.(<>I1P7U/6LF9)
M_#A&TV$%)Y(;WOS8"&T4.)@4ZH)0P?FU%PL.3(HW# =,?_C",A05;OC8M [O
M>BV@.!,91[X\\TSI=NT46LJ6I1]' M(.D="YR(;A'F&RN]^-AU\7<^'WM26-
>5$4=TGJ>RX9RX9RL3SCZP\%SL=OK> MVTU5ETUM>=7<7-S MXW+0W->PJ>]W
]G!7_9S,@;2@O8*NI;R=19?'K^Y[)+]& M_7C>7FS0R7UZ%.=W,%9\KM?YW-
/)GZ;,T_V_: M.9ZK!(70>QAZ8>GL1QKY1G>X8L;F#Y:?&W%8Z26KFL.GI MJ2LP#*/
M636D?C O8CC 2$]W;24WT]4A%9?C!HYY=S9&8+#TPN,!CH4Z;OM_XC.73(K]
M*+^"@CG!F5']DR,K.ZRF]&9#,XU@)1/85= BY'S>YXZH?. M[MBZ4K?/A(-
/.&=7X&\HSM!>M9SB$Y M3M#OD_-7689(["AKN1'(S_>Z%[C2[(3K?A-GS
MDKF=,'N"SG-,F#TO[ID)LR,/V*:X<\'E0JP=L-#,.OVXK2N5^RP]AE7B"<0X MPI"02-
6R91'$#',H2) FH>IFE1GU/9V@-WM.64<=5$W>2CO;%11[!IJ+8JN1 MKU-
(ZFFX0WS,]'P/34.Y:S50@0%QE[GL6E(Z2V8?I[9P-KN6Z,?I['J/F5D! MQO-5-
Z/P6]]Z_@.^YZO,YY$O(@1Q$*80,4QAZHL0!H0DGI?Z48:U$DC/$9A9
MSWN2^V$+BJB>/I_%9%R!74AJIK&&0FHKZ90D(PG@\M%6(>4/>ST\N^
BBCMWC]'M<-477G?:-.1X-B4<92 MSQ,!]+F'(!)A!C-?"#4-DN,X\;,0:8T7 *[-
E2R5$#Q@[!![\US('9"EPO1\6F$O0TD8^#".Y8$#H32$)/1BB$641-@/ MHC
Q2G$]6'WNV("B!10Q\)LB9WC3?PB$9C# 5CS# ("V9.:'_E,2N#KH'ZR]
M[.'^E%A'!_J3'[HLPZT;(M5&!NBWFQ)OJG5S$_D+SC(K#*)%*157[
MB23S(8YP#%./Q"BB)/4)LTE\FR8]=^K-Y2,)+>#4T]1Y0#)3XYZ'_2"ZG@TP MX
,H1KKPO?OT.GWY'6?=:1!^EF0\?4#.Y>@9K#!3!4QU+@VX2_9]_967-*]X M=2;?
M__[IS*GJA-SFC&<(LAX(GV &"40!RF&G!"61;&@)-0*/#P/^W.?D3I: M9\I93".6"
[]:/5OY_;XPP^B,1F5*-5&:LBL^V#++*UF]
MNL0M\]]7"+KZW@L[=W*MA,87'$,M2#\,LY4@>:0F%:>Q%D(DT M1G&
(O<@WNOI>EOVYH_3M#9/:R^J]8EOA#7.^A;E]G8ZVL&=[2>ZW,#?%E3NY
MY(_;9MQ'(?H+R+EJ?I[G+7WW-9,GF?^^=K597LQRU8^C7%S85=0^3/O.*EI+?*

R61PF7H)@(-($(LP#F&*"H9>%7LSCB ;":"O2H#GS_J$(
MPWP#'UK2ECU(1R#3O^YQ"(3YK4Y#7)X')/GF?-_RL,N^[)F8H3?IM,2N6Y2.*
M4'R>3J73$)QM6*KQJ'7?TJ9NZ9.J6KK>-":I*5F21%9Q%A/F>11F%$F7-,P"*
M2#R:02ZP$!QG21(:E3Z/$9L]G6NL/NL*;+CII)DQX/2L@2LXS,S 'HF&;MNR M=*
_AQ@;!J13DKHK@WI>5)+-R&=%/I$"]+I9RR/L?L^1VKUU^WL]542("2<(P5M-*
7(B\Q.FZ>)#/WL5 1A:0Y3EP^8?X,4IHGN8OE M-SQQ-*
5FI10E^W>1UWTU,40:O)V0W/_Z,BN;JF'*:R++'B5%!C]S^\4];%G)V M)5>Y:0"*
(X@#9G D=R;>1B8U#\-UC;22]MZI_6>GF'M MY0 $/>VS%,U,Y=YIR&-*
>]'C,N:LZQL'*RY8F'HMT5&UXXB/6!83WQ:;1Q5?Y M8\[XAE6?*
>#OU["6N[E2QZDKX/ NY8!"3*)2;'9&:A'P?ABA&&0I"RLUBJSI$ M9]{Z%!G >N+-*
S1YMN&HO^,"/VXI9MZ_3 E5/,UU#9::R+?6^3F"P)6Z&6NC MAE>@05*QX;3*
4%MH=Y6&TR27+CG4!N%$[:'^LPM?[QQ>1:D^-[?X+<_3/(5VF/;WDY_@]A4\]Q6.(=?*
,^YN[%Z%LTL;2_*6 MW? .<;Z1/MJUYGC1*NNE><'P@L#*
1.B1HJ'\@29<1%!$M.08IZF/#5*CK=A*
M8N[M0W[)BON<@CO.;ILQ2DWJ.>U9,VR>9X.RGLV?&SLS WZ4S[OCYZ#-S\F> M?*
[[\%V B:O^?#8L+-NW[P*0COKY7;*6\[X^N[:4. X3+$0&XR0D$"&60$*#*
M%*813W!"/)9A;'@JGZ(YLUE]$U9&^OPT%TW*VZWQ5\.)WSJ(:A_)7>)D?"*_MI G0+*
(U!#0"9OR_0\[0)-8# H$^0HZ:A@VB_!9\++_4:F!E8[#ZH,!*]>A&*
M"'LPI=+501AAF#$AH#QB\U0"0CA)5])!(X5%D.\<51,U&=(VC5^U+4@>< D>*
MFUW9Q8@*'5"-0WPN@+HDPB?IJSNQEH/.A=F%^F:)[TU)[#Z\=Y;BY-*
/GKQT,W77U7"1S=/[ZVT5-(_;E^G93-_46G]GI>#HG4L56=FRI M[?0I8]9S-C6Q'+*
<:B\!H?"PR0]#Q(.^+(7$Q:%.3XG--VC0#9&34IN%"=AZ+*
MRLZ3#]U=;]@K_LC719/,TV>4T" .0X\QE5H;J@ -AB3PY4\9$IG(*([->K6,*
M4IO9^O2TKP#;D^[2ZS:W^8;S4L7TNX0LKQ0I'><;=?\H[*
O#>&UWY'K^626N7)UV)^J><:0E?7=L[X6O9BSC6<1U=OS@G8.FEX*
MG?]3=;9Q0,0Z9KD/F" A3AZR3?T^W:6%3M='G,2@L7#(- M$9VY9&.T%G;)-*
,0^=LET'C*/]V43!H2Z=KE96-55$+LF'9LZWX*-\< MS,VLV&TMA%*
I%6,&XOGAMSPK-(DOT^D*+[H MCB?@U/&DX[B?XJTQGGL!]2EHTR"@'0GXO;ZI*
RX-W]B)&CY\F%1:#3[WT+TQ*
MW+RQH1K)/^Y5[4^7[RES8MKN1XI"L^5X<>@UV\XL-!?9LN9$J]_N9J5A=Y"4*
MQZNF**$L5*D">_'MUTKYLZU'*]V>:]6MO"EVVF7J)(2A$ D.O103B 1.8$HS*
M>;I$<9 AEO+$\TQ.E^8LS+SM-54U8EW\40'U_0!YSPG .U8,,Z L8-*
8[DMOS6#H[!.+^,X2-1L%PXYB3E$@>I5YT4I1'$2 MXS +0DJ,1CU=RM#*
<]Q(=>Z#C#_0,@HY#!YV2YWE1FG<0"\)OZ,XO@+Q%/P0W M<#GKG' A.POW6'*
#WG$W!D?K7M97_WHC+;=DY38G:WY=5;RN]CGU.[>$1IRD M'D$P2P,?*
(BHRB%69CHA33!/L2>_0R'X:49_96/:\-(D/>VY R\Z@H$3';7& MM9X)G*
U!,WOG%#SKYOM&(#CNOZ]'^UE:\!O!6^9AB$DFH,<\%J5A%'F^47K).+F9S%*
MF=W8H] 0/JCF:K_F4Q0VGNEEHPEQWQ5H^\KG> M7-_7VG>*
<)Y]>Y#)D0!5\YO6VW(#K^V([\AW5E5WCWO-BL0UO/BTE-KOU'!7**
M[M[S])++W7R.BG1P]SG^28O;S]=?59M5N5-_))5DM^:[/JPO)9E;7JV22/B(*
M1!X4C&&(../2E6SZ#AHPK4-"VHN5JD] M%TL3/HT;1Z>@F*GL (^>.-A1!R]GP,/@?*
L\I+G8W=I?A8W;UIBWNZ&7:]"K+*
M78]I2W1PX:7_U,4EMNTPA;=5M>5LQ5@2IC0CD.PAAX'!+?(S#!+4\2S**
MD&7GO"&=N2^C!F6T5UTK*9 WE)M:6JOF4N<@XT10+_,B2+&70+E+4)@&@D*"*
M<90&09;Y*5T]---KOM2XK!<#[BE-;?A>\-M\LU&GBQ=8_H%R]Z E:<10%A,8 M"-*
^#2-V,IDD80Q*BF)$HQ@R)#K37&[8P9#U%?0NY8;.BI7<8=2"_V<9Y6(O=*
MTKP"+=59BJ]/B>6^X/J RG,569\2=:2P^N3'S8^8KW^OOUW_4;+JFOW]S<:X*
M7/K,XW/[L^TDH2;?*
HP*2]+:;6:TNBXIZ4YBDUYY#8/JDZ4!X0[]U6NX9"IT0S^H^WZM'_:Z\C!\LM\K_Q3*3@*
:BH1# MGH6>:HR20JPR9 0.?!^IV;BA43-(?=)SY\,H<)]4WYI% 0Q0U L,S(.-F6%6 M/(*
]$U=@QP8410D5(U=@5[.K>'$703"7WU%0P8#PHG$&AAXL5IC#I"@# MUY)2.7V?*
BBIOZD*HW.6V:]5EKLF*I5G"@P1%, NR5-J:&,,T)O(GAK.4^IBD*
M6;S:\%OUP(W^?"4'K&GI6];JVQ&#AG?2VQU#H"VV=FF5]%Z$"W/E#M?Y[-BO*
MAU"#GLLK,."S^=-21LX(M46LGQY'WY%9-(+0S%Z:+6T["%IUZI7>GFJ,MZ'Y M.F]*
[XJD6UKM?;6[?UOR^6H5Q'&48<^BG5'IG&1,P(Z$/,0\XYT)Z:,AHB(T)*
M\;E3DN0!I>M.)[VT5A/EN:5H9_+/][+@S4?"0)=CJZ>&9P+,\,@LQ!GO6 ME?*
DC5M^KX?#'+$K]) HP#'Q/2/<,(8A9JN91>VG(O2#"OE&5[$DJ,]N7/3WPL+*
[&Q'&F3]WBL;"'MJ(MF,<^U]B'S2_'WVZJ7'[RIF2?BG5.Y6*?*

RH)>L^)![]198XUO=:_+)A68V41U]MT'=IZKEH4OP4*YQM5<94QY'^Y?
DT0N.JZ1P<,Q4UQ7\IMAQ=*VN+;;5!?OT
MZHM=M6L+.KQTUW_(LD)^2RK^^U;U!E9IEN_R#6]==3\0*%1#BF(D?)7T+8HVKM
K8HZ#_:I+=76]5W_E.;\MHDPS5_/)S>MR-DJH%%,"
(\A$SZ%"*MAB7'J09J*$$7$CU&2]+%@394V9L(BZFNF[CM*]JFH
M%M!J&H!YX/I>!MRJ1/,-:&5RV8+"%C1G32>,&5BXS80M0,>-):Q7,C]2?,#W
MG,F%Z%8=4SX*D5.YN5MDWDXN-+.#T=_'.P9SX%-"NXT*-.G"*=XF!F5:2AF
MR,K5EM?J^#"]^F+'!VU!A\<'_8=F&/_SGM\37JXBA*G'F\3$JC8)O4@3M(
M!HE'4X)2D49:N8L&-&?6>;U10XG'5(ZOD9CO$QLP%3TX#;RT'#L\?!O(N
M,1RHH_C]C @ZA,!H4-"31RW/*A>V,/VXK2O5\TJJU-@^L_%>MV-1U]Q[A.: MR&,.2|
(,(C_S88K\1!U]6"9/.](2&5VG+"_"S!:LYP*"CH^=%P\:3@R/3,N_M8T
1S*/V^5+)#&SEBT5A]]F.=;'[(E\9F!+Y+_V=N1HN46T^YP0OB. />$9VR,
<2S=7BX0!I>=MDW L\F2K MA!./V&EWM]=6-
\4U_7V;RQUX6^4;KA+L/_#ZHU"MWKN_L!4)@CCE<0PC0I%2 M=PHQ1_)$YOL>
(306-!6[2@1]K3?AP>+RZ<8B'LSK?FI+-4RS)1UC "MVVCSG M"OSX045%_=30-
!A!KV12G2^:DB0.?>E=<"]DTN;X!&)&(YA0DF9AD#$/ M&
[7_W2\]MT[CO<>LN]KF]PLONZL?"72TB1]_MPDX[GIR
/VS5FA_%JWR]E;]M'83!@7D5>!1' ?6@3U5CEB0(819''%(2IRCA M+
I5[K6^"AG2GUG/.K+@1RO_W!1+%D6!GX0$,JK,42:D.4(IASB- B)80&+1
MF>2QSXFE>8;[+J*,NR@B;<\!ZAZH_1%R:> ?\5H%)+MC4K%GS_Z<9/H>]SD
MC.B:6=&C\&S+RFY&?748S>T8=&=N+8%P9)--J2]JN"VA>6K=;9LS=%J2*J?
\%KDQ3^D25FMM;O/WQZ.QP,TG 1%$>7H<8C#"=@F3< M4CA$P\PBF #A-%5?
0UJK+)NQ=1?+K]$0;IA9H_-Q.Q_M3;[):_XN?^1' U2N M[XNRSO_9O-_NBOXSO\?
YABF#\4:R@]=_X[A>C!V M' #) CC@83HT98^10=O#&;"R:W;H!C.S_H:&PH]V-=1=:
[E>AH;2'70P-'W6 MPEA>IZGG>5]^W\H#ILK0_U3R>U7'TWV'489XEB8A#"(N?
4@>1C!3C2EBPCC) M""()2K5MY#BMF4UCFEY)XJ!JJ$,AR:NV"PU]]V?
@$O#++H#PHA0*#&@%%-(?2$1BC(",0X8C#-"8AJ&?IQ@\Z$]E^'D
M;E[/Q?!DTO='L=SOF!\V!P/2'@Q8Y*$XC7PAOT>FXWE<@'/A9)Z+<=$+:%PF
MJ=FFUJY_M>NYK;H*JK213]CM$-CS,KFL,#XDL'P%\4D!3U8(G_ZDG05_V@YR
MWRA2M8U\C^ON7W_-Z[M\\W'#57S@#<[+)K8M;5F4I5$60I[&$91J2R&),8$Q
M%UDJ3_(TC8S*?"YC9V8G=JV2Q^H[O $^^#8649L#:3WU7PX_,U.AU;I6\='>
MF5R!CE5E7=:-A>"LNK)KX)I#3N;(X;(!W9IPN96=26 MN0'NJ=USM*I]0IL\^ZO_>
[U+H*C>[;H/!=2+I&,B'3HN5'OA."D3JU$Z02 MZ<,X-DK1F:"W0.I;HVK-
#P,&+FC<-(6@GG%SB(MA+/,R2*SRZS0$=9AT-T9M M\4P\#=%/I>?I/&9G
/Z3,WG*N7W%J_QVT\0W7A7JVF05*LT7:FH:3E1'IPS#
ME,0I3#T6$"_U0WG2,]'\AKN0GXSU;82W5BA
MI^1RI,EGR2RJPE/"/M7=R<_;*6UW[OYRQWG]3KTA5;/Z-:]6GH<"GGD>]'RO
M:4V002P"'R8\I9S&S0P@$Z4]1VAFI>TG_C9T04\8_*9(&VKM6:CTM-8% &9:
M^Z66;G]35]_D.&PD^1RO=[,N=FA<[>8B3\!BK-%3,CO2Z+-D%M7H*6&?:O3D
MYRVCS?2.L^V:?Q2_% 7[(U^O]VVY?"S4@ @$8Q;QMM(;QV$,_1CQF$92K3W? MJ-
_(>5HSZW5/67VU>]J&P<,1G#2CB&ZD-U3J$X*#WVZ;J*+3IF4&4KH*,(Y0
M6C;2."WR49K^=?;7_B&EW@MW?
=K=I]OA\+TPD3MYE&*CX[4>V;FUO&7B"MRV;+2]R_!)_VL&,-Y M,)JP:EH"YV
9&H4>IXZ#!J9#'OK&9@X-@Y'0KFR$'M%ES841$$>6P^QI.R/R M^OYA77SC_
LO'W/EK,[RGM'@*6>@)T1;L9T*9HEOY-DI7%OYWFI MV8%->P')PR>5>R[/@8-
D@9NB3158A0&+/!$F\LTGL73QP@"F&?$@#C#SO2#C M(8Y,DH8NY&?F#*-
V6AT=L@?R=L+=CVO)X4]78--VV:CQ5S/K>NF+T+.I"\)K M9DE;9
\XZV<'_OBN1;;K7R(YO (=C[,GL#C"RY$QO92;14VH(^B>&DY7RUXX
M#U6EEDL/F6_HM]U=U8IQ[H7(YY"'&8.("@2S0+JE@M,P\C.4,&8T]V>4VLR^
MY6!PYX#Z!3?)X]#IF2]G@)@9ITNPL!]4.B:CZ\FD)VD]SRC2,;'/SAX=?
EKN&@0S91_FLNV(SM"*R41*5\6V.B27K;8U .&H M7-;D6
%W\T5["J/08M.7%*.IZ)L05EF:F8P?CYR&,0KZ0 M)A=V#^;+%DSELUZ!CBV'&;
:PKO*;QTCM6SVJH;01[FI.L\8%H=.Z%LN[G%98XWX$TA MS:AFB/A ZG$-M97%3!-
;,;Y=34FA7Y!X@NV1?CW]QUL=ZO^UUY^#Y9:I0CPA MP*[<\-3?
['9,E=2]3_%^FOS=NNG;8EO]NBDY7JM.RLH(]ND_?O!>?N*N^EB^
M*Z0W7ZY"+\G2-"$J+U/ML9&J4F$8QBQ$! U&#;]/5JYUP4S)
/5Q?,6G;^_O1,^K.^%3.K[F#LUU'#V#FF<5Q3\#H; MMS5)R+Q=[:=-M;EF?
Z\^E>671_JRJKL0K&:KVC./SVQ!/ZD;/:6?[._;JFZG

M67PJZPSBTAI16#6G/K;E8,]H)H8:- M:*
<^:J9VC.>K5UTOI;8E8SL%_HW\7;7*@B3S_32!.(GD43:@$4Q5IJ)'@I2) M.
QIII4,/4IE9OWLZ?;=25O*H"&MIY7C&(WKI3/)#<^&-D)KJZ&64".**)]O M%5'^L%?
$\547444MP7IEU/NP^2YXO5[O)KB_Q#6_E?OJKMF:YE8XML;<]S+K M-
=C1!GOB^CO@* #3VZ KV0WO41!D/(/%Y"$/J!S1&0>AG M6M$# YHS:V]+'/S14 ?
U'0>\8P$\['@PZ!VI">3$_'>J_BC _^/N M79<;QY&TX5MAQ$[LVQ,A3/ GF9^N:IZ-
COZA '0YHQ,N4G) MW=ZK_P"0E*@3A81 VKVQL]6V+"(/(!*)1.:3K8X:%IR.!^=V1/T
,#;MZ\D, M:W,;A;C?>:>.O$]_LP2^"1-]$(13_ M+R5>4OV.Y\N*WXEI4/A)]19]C."8!
(''4)BG*<(TH2C+/8PHCO,$IZ'+.=%'
M(K;*V\CFUT>!@A<#X13;5;Z&*7X]E0)]LHY/>:7N2$Y[]V6.NC_;,NLH;AW!
M;C,#3L.PHSAN/]KFV;W>_$#@EE]MGLRVC-T+S%K.5]V[WV1RPAZW$]9D*8EO
M+$NF(!*=;+URLF;:A)&KFD]G3KZYE+:UTXRCV6%8:+LD)X21'D57N[#3XY"P
M!P74XE*%-,$)32)$DCB1\;0)3GQD.N%04:#-.9Y<"D8T"087J?@@(Q@O 84 M-
KP9V54#;&\Q 6R#O1U7NX1@8%> ^SKO, ZX$!6 +]@C8^D@1%V9Y['C/F8
M,A3ELD\;\UV4>21'21BRG"9)ZH:@_&LC+L;V85T_&K,#6Z=+/=LPNH9@9L.L
MRYI"'!9\O597M3VUO$H?M8Z'-]PY;4]-E_5*VQ\,?I'P_D'>X;-;SBMU]/]8
M;I&Y-.\1!H88V8JTE!U)NHFXR<3HY:IX3AL:=[#I!0{C^;8+.UR]
(7,S.9]ED^UDV+6)&KQWT7O?HIJ6B^+QK M'+8FBSM>/?
KSE&MR],B6['$#UO!9DXGFM/*YFR$182EB=B)/''J MC2.**
(LICF.>)BZL;_.\&/GLWS_?GWW'5@-O"N_GKTVEPIX*Z+H.+]VE"P&
MI(Z+8*MN=W?P:2MUCPIV4)M[_%L3U[ILXMB"G?5C8P*ZN,*'XKE@O&3?R(K/
M_8RD+ T98AX7#J)+0I3X$4-)2*F?TM3/8AB*]=@:G$7)E"S'L>S$BN1NB+
(UH2'PO2U*M)M_[X]LFC?Y M[)(6/&M?B3YL-
R\1"&;>]&0Q2L;O,WY1_KT::/*4^S[[Q[+L=_YNDJ;V]+0H MFCO [V*)%7E!WZ_KU?
*15]^7B[5:?&V:>>ZR(,)NC/Q,KI,HY+(&)D99D'BQ
M;#J:I%H@:4"Z8Y]EMHR@NN7$H2TK3MWQ DENTE?I\/H;45' XU%/1QT33L>%
MLV'C?%[_1,1)9R_;[0@/\S6Z8D^PJWC&4F- MBWB/C3EI$>^ 4/M%O$-?
A2^].XD,K\X83BIK#C;PT%1=. MCPWG&U^MJ]+YN>
[=C^LO35TEG5^J(^@'MG3U5#/"T@5*;K24=6E,MK2!0O>7
M.O31UTDP:!MUR!QJS3LB;QZ[491$KH\(CF*$$YJC-/9]E/ X)%'J4LJTH")?
M48;1(\H;CEXMP:-8'_2!(,+IN:-)!B82/"G2C"X M8(IL)QA(?\-)
[DB!C(^\L37$7@$($#I_2>(1S!A' M023!>%.,41H&*6*I!&AP,U^\U/.2WQ/QT-V?
=!K39AH/I/B_-YLC7WV/N,8F M=T8:69R>,$[3KVPEQ-FZ*NW4BYEO9'H#5^&&L_#:-
^)0MO\<%^.&DV'M?MR4
MOF'>XEX=\1[X<5.D(V6H5X+3HIZS&&.2Y!S%@80/#N,4I22FR'63C$0!8TE*
M(:TDH0R MGEX[\@-00"&I;$N]8S[F!H"WN/KX*]K:A">:6FH!ENYF%#RTV9K
M&BKG()_3=!S#0PU]X&R]X,M\H%+PXWJUKOB1>L$[U3)R$\(F 2:$)C'R(\80
M3CQAF7 6H=CU:9(EL9N$$>C@8I&YD0\G':NR,G^_Q%9>:RDF=RILG99-H-MK
M<[XT7=M7F@6@^]J;@,&"Y^'9<'Y5##M6KS#&U*0M%]0F:].ZF2,H]<"5'(/&
M&TC1_U;4__Y8<2Y$X6)MK52N-V-NRI/41XS['.$HXXA0ST8XRPUJ'G*/I"1)49:[.<)!
M&J,TZ',0-,(%1=N MP ;DL65SCI&8UDP,"'FPLH>^"UN,=;6:?R%_%
(_KQS8!.XY(%/O<0R[CTO-* MA>>%@P!E+HNC6'ABV-
="SS@8>>1EU]+26V6'8@\OK8N$@:VGEHS%3/&3S \M M'O%0;^&
(W[:+YG"\25;*23&ZY7'Z"X9!\=XIZB;?/VG-,XK])!8+Q4M#L4'Q M)$)I+':N(,^"*$N],_Q
6]4PN9%7STX88ID[Q39@011]8 Q\6'6:$6]K"H&M MP'U='
1O+$:SM42T%;L>)C9MI%I+\(.XM-Y39LO]5FB95Q5GWV7C1^4]P!$ MYBQQ_3Q.
(T3R5"QW3_R31(2A+"6N%^>>QST0EL^>/F' M4RXWWQ1'"$%%?
G&YE0YF3,Y,C)XQL:=NF#'9:OI[H^F?FQ[1-QK:)L3/2$M MF9,SQ"8U)WJ"[YL3S:?
@-2G-Y;T/>LVV(,J5,^M M&$%-0*,B7CGE=SD-
*XX@K2X0G%V.9NH/6Z9>5(K.NK28F@/4A24W1)?JI/X(
M4!7[C@GT<>M(_E_Y:IZSV,5)AA%/&$8X%;8E(2Q%/HMRQCGS" -5 R3&]V0
M[,4S9D])@8E]9_05!WF0>FZ"7"\0^DID]V"2>B@1NLKRE(C_\R ID1;U!4^
M%!2<]Z2J7F2Y%J#QDZ:N](RK/0W ;.JYU)VO V^.S88$/2''[SP@B;V5%@,]
MP0&]!/I/&49\A7%EQ4)U5=WF.U[_01=KQME'(8*\2EVOV@#4-:EDB5=]RZOF
M)O7E^ !7?Q3UW(UYD&0!13DGPD%C,99WG"%*.?63F(6A<-E X>+Q>!T[UMPC
MW.]+]ZND#;PF'7/&-*/4;V,>@"%NLRF Q[?'5XZMX/B(G$X;61]?Y0=A^0E(
MFO2R7I;OUU4ETUK4_M#>]*:1%]'<#1
+.1%^K1<@XF<1DE6%C9TE6F)'JB]EA=\.QYT[("VDL?;'_:N@B4BJC)O4M>9%I-

RV!N1\(PQ$F 4KB.$.8 MAUC"RV+D^Q&/<>\?
BI+7,E9;/A9E5FCN:WVISVS!JZCNZ\VRZ7[;+IF=X:;9L(X(L-FACOWMHBU) MN-
*2WRT4A \.;!BR$!(1G>8;BT'<1SCA%&*O!MO2$5+3;$TR M&ME1UFGD M47:+.Z4*
M&&Q94 ::[UH!L=G>N8X1>8_<:$/C$#C;TQ&5UT#?Y M\<(,E:;2P3
*<7C_7>Y6U6403S\T\A)DG,]:"#)$@9RC$0ZIFVC(5 M,_/^GCP5**
])HD#,:5$")H/%CM:SK>9;AD.ND(Y\E6S-(:E++H2/TOAW0>L9L5;];U_(,7[]?/F;B%-SD
*=9TL:S7 M56_[]I.(QU%*48 I0SCT:5W3#@]+H#I>)KJ*
MTUOO]I4"6_G'].%L.;"]'UX8Z/XI!R>(7 M3JKKDGV0\!DN3F/J91GR/1((VQ#Y D)1GF*
><(]'+A<:^\?(C+VGM_>4S5T
M'4G8$92=#]IH)8,:&E[^MN0&;O,F(H.ZVYV3R:C3W\L]\U MV[0_RZ1RZ0',B>
<&F'D$94'@BK7G^8@0/T&4N[*R+\!AF$+VY\ROZ)>%=(:?Q': M$-
*NVBB5!\@IWM3"\0HQE X;*S,0"P4,UE9OEUVS-GKM&-.U MS=ME>J=-WMZ?*
X&_LUV7Y;;W@GIN%WE55W56/Y8I]7)![W7?XY CO]4RZTT2
*M=B1EY.T@[,D.*O)HIGL5,ZR(\ZO B@Y@ZT)/?.=7R86EHN"S4AHMI].C3K;*
*MS@K67W+GOVR0@OR>5(L?Q1I8Z6?9[CTR9IBZ6CB*DDE:[;YD@'S:"R0T2Z3=*
*M2FHI@?:$!(.9L_O/3)X+;G5S94]^YI&C]\[*NF^1_F2RQ+LK[FR=>-4'B M=SQ?*
5GQ3YRJK!585$32$?:M>/JWX8RT6I+HX6BX$I?L.>'>>#YA?DR11V(B M<2%CE)*
(H1%'LYA[+$S?,?4B9Y8B\@G9*>(UF6_"=*?:R$S K&@["3]
(MO_JR)7G;#EWMJQWT[2MTI>=,W:YW2 VZ[)'U6G5NOX MQ^'T%6K_1U7Y<;R
<4E.C!2O/JT_*?BP31LT3"EA :^Y!:K2&V#Q(Q MBAW) !1?7CW?*
JR[NDIVKQQ4@='3T^0DB1RJL/Z_R_I5Y/<6ZS#LD;XVM.)' M%RL"'CZZ7 ?0\-*
&@D;1H^.#3AD\&A1K+W8T_%V#T%&;F\[9QV65\T*V]9&P M7N*WG\IGU?*
NQS5L5G[R_OIF3B=)QL1I..<,89]RE 1N@JB;D)@GV$]=K1L[M$^(C+^P--TZ^84?*
UP9&_"]^GX5M. M&H XJ:>.F4VIP_C T0*1U2B6231LC)A44=#;0Q&):%C3A>U-*
)1V)ZII.L9(M9]WZE/^F_KD35]*=BM>.'GW]V'Y2(IRGM/837F4HB1,*
(X2YER'"$H)"BC.: MXHSD7F[UR&O Y,CF7Q%V)&7GUX8@M)?.&!-
*CZ60[LKIA>P5$T_9/IA>H8JH# MJ@F+;^N<>H&2P3:*Y8&MQ-*
K67"'1>//CZ,"PDQU(SXO6/Y)J?-O,R_FI M7-*
=BSFZJ3V5>-5W(Y/7!YZ+DZAIA3C(:>R0,A(OB!0B[U$5IE,7(C?)8.#,T
*MIBXH2'^.X,AKLR4O=.1L&7 DY9G\[-UR]>#*IE1GT'Q*\JJ4_-L*DCV-]V*
MIAZP/Z$KLR7?X"RY2?=Y7>'W]VSMY\R,PX>B)O?W%;]OH1Z_\6=>KOGV=8ZP
MY[/(SU&.28RP3T)QL,D)"K(D2L,H"@@%E3F?(SBR<=@E+Z_E6@8N, EG=:AG
M$FQJ!F82+E0*V!#H2FK)$)PE-ZDAT!5^WQ!H/P=WQ%7PFZZ$F5F\W)"_5R_*
*M7W[G"TY7G+4%#.#>1Y Q1U[SNQ)TW'4U&_K^/4A_*
MYSW^L50',PJ&6ANA!Y)/HP.#2!"DQTC3,3O'RR,GC?S)KXL2_[RA53_YJN/*
MZY+55ZNN)84":IJ3@! OICEB;BB<"2XOO_PP0\Q+DRRD+'<)"%+_#+V1[8JB
*M[CPJ\DY1UJM*75 \13.Z4S/>;"H"9B9:)304'84Z9E#M%N1@%T'33DM>0[G*
MJ$WJ.&B*ON\WZ#YF>'YH&S)N$A6W+6.8ZW.,PP@%7IPBG(8)2G@@#A)>'$19
ME"0> Q5JGR8U]IFA:PBZS=B&]C ;4)/FX<"\,!C02=WKU'9*!UUS@MGZR1P*
*MFM"T9X"S A]X_^>?N"!MK"T)@F:+3=8[H4V0,D@!TRKCNE HV*KJ)WR=+>,R*
*MR^LZ5N1DFLXU9?'3@!!'D[?L] =@K)!G'+*0SO&GLD4>ZWJ/)%X0^4$H7%3.*
M$0[3'"7,S1#/4LS]A!#7I2 \YB%J8U_+;VBK8QPJ2J9DF0D!AE@?*
*$9R[*Q%I&@<\"+/X781R LE9/41IY MX6[I.HKP15FH)[6EMYBMZ "VE*
W%AZ>&GA/-5G[G23K3)FF>$_<@T_+L V8+
MN,W)K&_R#S(5CY=,HM\^+DN%BS^/HI0QSP^0%U$/X3PFB+A1B@GCJ^1YX>N*
*MZ\U+>87,V9W^8AZFJO4VI\W;?$!;^\WNRG*7N<,Z)F#+^8SN]-:T!568H:^U*
*M=*7\-RT(@+-A04)QJN)RQ86]9:XGK:6U?H;8I M>3_#]5:_YE.E-2[;JM=I]*
*M)L5"]KKXN*R^DP6_>EQ6JP8MOUYUG1SC*(UYYA$4Y2Y'8AMW$:$D1:Z?1K*I*
M.2,1\ 8&RL+8A^6.I(+552 ++<9SH>EW$9\Z&
*M'90O*R09FCE;Y3:M,*SWVS37B+7K(# #$U\3F2KH\/K(>*1+ ,7NR!\RE[VD*
MQ:)HTM96#[RZ8O]:MVMSGB=N%- T$=8IEDCZ-$69QQ@ A8GOIL3+P5EA&C2*
M'=DNW6TQO9R+U3]Z6HI?ERMJQ*MENBI6CX7M8 M2;K.4S-KZ B&VK *J'6>ZBN*
8VFKXCC0E?[C M0-R%KB?K]Q_S+T\S"C!&.4NBQ%V.5A3E M/7F2',?*
*EHL%J8#=A*74P\O;5!9@U*$38];*8:/O_1'.;?02EL--VTNX)\!!*
M+^'^W\PVVJ_\|UY[TVI9BA]I4\RIFIV^-/]N]%BA01YRGSDQK@(\$!(FD:*
M(XK#V$V2F&6AUC(Q96#L=!''^N[/+!6Q;!>M3;W\=4TNPQ2H5U.]-O,/+K.E5
M_.+\VOYWE&L 4V58VF?!Y"?=<$V5L[_S&H]C6F6:%8L%9V?Y\6S/%S4W?F8 MR';&*
(4V02UP7X8!FB$2!C_+8BW(6N7GF@SKIG28ULFWT" M'7M7>0"M'3VI(

*MSX;8D1MF+38B]XB.$ HX+YJUHM"3A"8N!STG\&$AZ-DGS%;N-:E*82+J6UXI M\ (T8J2^OU%)5) M%^L94?*

=7ZKFOFRW3CT59K/CGXEDF@:_$=!?"!#19X.]>OI!_+:OW"U+7J@U6 M0'D8QH2B-

&,YPKG8=I-$G(=9D.5AA-,\Y"L50#MD9=SPPE2K#A;7MJZ!(GE*

MJ]AQ%#^@1F(F>M9;_R-I#V83K"H.;"P,5&#)@$ H3VI4#%2R;VA,AK!N?,0A

M8_VX5C'N]AZAP8GTPC3V\S!!6<0]A'$:H-3+?>3B.& DY3D.$H-

K6C,\I/5]L@RY1VPBF:.: 56G3')W1QOA6Z10#;\4XG5$0P$:=&\DP MQY$^<+9>\)O\?

WAQ_R ';V"UOZYE+<%-WF"OW\D3U#:%^2A1[@O#%7@89DY MQ5$2^QP%+*

*(G<+/'<@(!2)8RX&-EW>D\65*J[Q7CI&$,=['C#$C!'TDC;>C9K M=!T";SE:=OJZVT'"V-*

RS)/[4-(WY5;(T3/[U(,;8R,XUXF#9K\Q(U'61T7C08 MO'"I1>:

*H&'V'AG[D@4$?]D797CE7R %;"UW8#7V<"R/L&U46]0?9[**HB/,*

M]^N(COT9]D8S7LRORU6Q>E%MJHC]/A 5F23JLC]E.59A$C"Q";,,AFQR'P4*

*M)R1BV'6I3Q.==7".T,@+HR'M]&@[DOC9@#E,6<.+R*8*@'%'0^FU%YJN: ,K*

*M3PS1K#SQPW;EG1UXDJ6H*UZW-K6_;]#-9).X<_T'43V,A=?X"R=5_9/L7-;[*

*M4*7R*"X*7L^I'P5)XD4HYF& <"J._AF.*')S-_&#"/L\T?*C+^!AY"4N\])>*

M)!/.\HF7,JV/;QF1<;1G4A7+=2UA8N0%.UFO'I9-WJ5J+[%4Z6N\91;0ML-P M1H:-

Q41ZAMF17@9@C[BC6'(43SN?-PF!UY-I%- /97S-FK5%N7MH&L_*%_F'

M^J].QIM7E16KILN=L%2ES,<4ZOV]6#TX@KW=AK5;]1^^U'^SU#_E,NT-ME$Q

M"JZ;BJ7R;[35.7"H2X-PWQ=MJU;;GDEWI5'V0]3-1CXJ2QD$$AL6F('VXL0

MY#E)\C05^T@F7$%,LQ2E82#\0=?%J1B7L=_6Y(%FQ$+3G$0LYSV.*

M?"^.$0ZC&"4>)RC$>1R%.'2IYP.+9B#TWW26'527>H9M1 V!76/%@/-#Q\I?

*MI;O6<=,X:QT_,V?#D=7:&!-5V*N1 5&?NE;&1#5':F:,AH$'F;\)0T=6*BGX*

*MPY+77Y>K;_RW=5'QK@,-&/9=?\21K4B/$8<)3IQRN7*JAI=-3R/] 4^=#*

MW.,H"69(^OJ13 B_:.5\V]//"&#N<-F-PN@ ,I-%V>&B]X/P!D\;%M.]_^?'

*M.29!E'N>ASC+,H09S5&:Y %*F!_B@(0YCO7B>+U!QSY%_5[4M?.Q$@X;L(Y.*

M"GPF3&8H!O"8(G;O_^65^(S-&D%L%M+U6+=12">'F[:0KB? 02%=_V^&T#I5 M"

[&LP#J:V]Q/=;WF;([3/,JSA" >9#

[""'"WXYRQ%@0A@$.R^028'C^@.CWWVHY"8(MMJPM%=-8E;C1T+6+H MG)7-

%G[.:4+38N><%?@ -^?\$X9IJ\N%_?E^]9*W F36A,5U?Z1%.7G95V_*

*MX^*,+V.C<\Q=CWDRSHA=F0'&,")^*@[5,?-C$@@;X(' *P&T1U[U+2=.9RR= M>\&*

*\\-"L ! 5U8JS*QM&)4VS9&L]C"_'(4!MN764>PZBM_VIKWA MV)$LMY]*

(IL]T=!I_B@#7[Z\X56;W\KLX;+6U,/2 M^__-B&W51\FZT+5@IDTM93?E-

\EN593W[TA=[!<,>"&F09IDR \"L4WQ4I M$;^&?AR'+ VB-,)FZ0 6N!MY6VPK-

$G)G!YK7;]-)KOM;>VR(R'EG VWCF+7 M-%/ QLSI'0->;3Z

;I>'L%6YS/GW!2)2=F;DHER"RQJTWJJ@0W>7BGSP): M3R*

M$,4TC3(<)%IYV=LA1U[L/U:A%,VHU5;<,^% (R%@:_']/S]]O;(0

MLSE@=2@'H/ERFP+0_-++ -@.-4T Y8#U3=CC\"^&X)7?[RKE4+^*Q:+;>"D

M;6GJ)FF"LU3XMLP+$R24V-?T'TL MGINHZ-S+O80P7S;0"EV$XR!&:9"E/)IEE/&*

*(TRU(/0NX&%D0Q"B9-SKMJTR M;=^J&:EH_,LSR=94*AWK%LQ(M1=>=ME5\8CW6*

*?*L7==M1WZC=Y*'@[3RT#ZN:P;ED^ [G]:;A>5G5!CC0V"CBMJ^(COKY*

M56ZB$8#C9%4S9C[2I1J".4/: @_Z/>='F<[%T99HQYO1?^K"[HC739/ =[SD

M>;&:AV[,@X 1Y-$P1)BX&!%YXQ*&09Q1XHM3)^A.]02=DMJ.GY^$-+]'1ZO7E+PN-

BV6Y!N$?E=5H.'A?U9(O!$U\W M/%L,'FBVOW68?&F4$S>*,'(#+LX;$L4P"4DD?

HV",/0HR0@(DP%(?^0E_?ZP MK?+,(0?=E__B>7CFQ;':I/[B!?XL3E.)3R!?-

/6A^"&8.8+24]/M<_$BQEDL MEK]+F T%)44KSHJ5(ZM3N&IW_A?W8

3@V0!CA&&289PG%,$ EP@E)QL,U# M-T]H!

**9WR<020^8%;>O#18%GK"D/G(]GR#LIA[*8AZ)*

*M8M_/Y]OEBBPFT,:&C+8VOO*5W '7398,:3* G\0#XL49J!_6TXV>O;Q$8JA!*

MW$S]U>#4PQ,!3\A@*_EO?_AI$_Y."'>0Y'?J>X:)?;"6F&6O5\^2I]8Q1RN*

MJDI,J4H1>O>R_9$?7?TNSKLW3_*+M;"..2]6:_%"7)5,N-5%I4:H/Y6W

M@M,EF^=>GH8L8RB/.49 DT@WV7)9WS7WT5N_H/&LMCMTV0#"#

MT'(@T_TK>? MJDLP%<:?0ST;\S;FQ2RZ/EJD1W[S#L]{B5@<_][K02.$F'F*

*MM$*HJO!.#'4*Z0DB3R>-*!:S(:?2NJU4RM'YG38/7$)1%8N/(#*CF3UD2R!LPOARM?*

*\]@] MIDIA)GL<;<)/XJ8:L746!].?]C1NJIZ#\[CQ0!A)4\ M,*CUMGK5#Y@;4NRB-*

**7BC(H]AA),QNP=@$>Z$@Z,W H6T[^G]/PTMS''GJ0M67LS$NU8=/1@Y"?*

WF\S4,Y1-\QD M'(/V?!M^C>2MG_CD^)! M=O/)N%-M6 -

*DGDPRC\,6\TW.#LS$=MQW*2ZM:,9" M$&4"%>T?82X9ZE+$M^UUYJ>R7E7**

*(Z@[U-5/Y5&D M@FVSI6U\(E8YIXIY *DXM?DY1E@48A:$K-C]*8I*!*

()FMQK'S3:AB|&>
*MFH3IJU*YM!5_$*ZK8DY]VN$4L=PC0101%./(1Q@+US%).$6QGV,/8Q=S/S3$ M?*
*=*A/WK@NX=PM,.&TZ;S6P"!TM*SI@$=3WO $+@-Q5T"#@41WSY.E!;UUX*,*
M@JAF #T-(R9,;K.\R;]?U.[\4V0EWYJ4:Z%4WKSQ-N\A7D48)+E+D-YP@C"*
M.7%11J,(16G"29"X>9AE$#ND3WID$[1A1!5"9K HRM AWHV9AS- ,._&Z7T*
MJJHD&RIT)_;&1=$& L462:UFW\/%MV1> (0GM2QPA>P;%8,1S.S)5[YZ3^J'
*MVVKY7##.WKW\)$ZTG\I/*DHG#[E-U]Z"UW.7!K*E>(+DL;2 CU&8=*4.B+B_)(>^*
M:K;VWJWKHN1U?45_6Q<-PNUG\<$G<8*IYSZC),B\#.58+#V<^@RE-(U0$"6!
*MV/PC'$6@H/$0L9&/"!UIIT?;^552=Q1Y8&AB4&UZZ]26,F +UEP/X*6K(Z"E M-*
*3Q(:M+%K"/T_JK6>N9"=)2K]>IA6AX&*4WS[",8U0$F!? M5I^E8>IS+_5*
+S'R8R\I'O'V@U9YU=)&+B83RA);QE?+CIL ?>D_J]U5=2L MH"V0_*#@YB
I1^6RC9&R2^1U(%."GH2(>7XMR!MS!KP>N;SDM&%?*
*M7J_TYK[M3;X5X0V4FNKK^;6+3#4X_7.4E^JKW%IA*8#DA=[>;H3__8/D[%/Y*
MH6T-+W%Q@SY>1H@3-(8)9P(1S'U?>)Z891@K>H& M>RR-
O"LTG,C"\Q[(GE/QA40MD$4,SQU'6W M0_?2?%: KN@DNA[K-FH](1W# MC8O?
*H,)L>-Z6LLZ<*X4=,X+O>[$B;?O)Y@R]CD]]L0)/^M^7CVQF8WN-(V4A*
MF_03=ZK;YG'J$1)'&/EI%B+LAB%,IJB('>#,,F(RSF!1*[/$1PYC'TG'W$6*
*MO5:L"F!YIWR3*T9@5O&L'O5LGDWMP"S:YSV57 \K 6R$="6S9&+.DIO4@.@**
*MOV\>M)\S/*BOLU]\[,*ANW[>K;\6VQL.7#=#C/M4K'K9[2:A\K[*98?25')LRI_M]*
[+Y\9\%K\1 #R^?^;.06]Y)>EDJR;1 M2=U7F"+V?5G@T\;1?MGGE7_@S7_E;<5?
*R(%ZX)@+?*8. C?K!YXU2&GYSCC M<4I1&">A3.KR4$)#%U$W8&GH>RF-<8.!Y*
2)4G&FB.'23C)(PXJ"T\DN8&7FQ'X? ,.UH8J!K M/7,PE09A1N.X\I2+T=F3+6?.EK61
*O@VE&2]%8L!*Z_4ML5<:;=;O%PPID6[MUP&0O'MI.?@FLX=D+>Y#\?3NI4E9V**
"?)8OFOCCNY=C@WTKZG\K2)RYFV+F MNP2C(T9PO):,?5(A)(\3KPHC\(,UG5].M9?*
Q:8>@Q4">E033NX%9OG5I\R& M$8?-EAU3/:KBQC3LXS#^^MO J!.BM6F,RX'9%O-
^^?A8K+H]K4%XN.4 12WF <(QSE,FX'GLBCFD%T"1'UD0]_C13E].]SL^'N& M
%,P5>O9[-$4"#.[-G4'-K]&.K!D06&T)S6"1FK9MV-F@QA>2A9EL>?A9EC*
*MG\J5>+T*8=Z: -\7\J]E]7Y!ZOHK>>0?EH_"DLXCDOG<#3%B7NZ+@SUVY=5"*
M@G+7Y=).96' 0+>3,/IC7U,J;I!BQ]GRTP:Z9XYBR5$\.9(IY]>&+>CE)5#I
MFK>8XZD2>)UI78OP2TXS7=BZ[012G_;:TTPU!_>?AL.8]'RI5\6CO!?<]NN3
M927BMY]:8/EM/[_OO"R6U1=2DB8]9NYE-
*/4)#E$6Y:Y$YI0]J6B*J)_F*.2J1DV:Y,J'&;@MKK>LM54.HG?*
G8ZSKAVJ^K!ASODRN9(A[5$F4K9AVY.- MTLW?[+_9ZF-
B05/#_4DN(3!AWQ$+>MCM)V)C0'@.[$\E]Q8O]]\Y74N\AR__
M7MU6!>7O'\K[6W$LU,R%'1YE9/O_DP0U6+S(&Y.. 6%MJG_SE:.X:(LN]1-C
MS^ADV'C;50?,.FMJPB(HJKZT1GFS9X:>+']63\1^'JWF$_ %^ZEDQ7/!A)^C
M,B(T%^CN4R,OR"VQO^LONCVYSB\R.EZ4J>U0YIS?
K52V.7[(YS3QG./(H%X<;69R,W=A'J1NXR.4DY6F0
M)"X%H7\/T)H@+KPL&XR>F?.7O[FN[SR12B$U<.<__R/Q/>\?/8"7OSN!Z\Y<
MU^UP?XK2D6^'"HR'X*9(SY]:O)%B__<(JZ7]NSDO 8MU+]W?%B;Q:ZGO]#*
M^CE-]8:$AZ5/S:)^$-K"W,!#SF):OC?3HNC.G!YEN_'E,^)9C":?HC1Y[/B, MR,
*<>,3,S5U2I8JP'P0H35P/I:$7 M\3RCF9N#RJ*U*8]L@GI\M.G.NPT\Y*4B;-'KZU3/!*
*(RB*9A!N+IY_\FY6JV] M(ENO%,S::NG<$I5O;Z_(TUA@2R9"G^ZD!@.LCGWS 1_*
*('K[G2_$G^Y_Y"6O MA =4LBOV6)2%O+V2.V?[QK.($3_V/.&Z)!QA1H45R5.**
B+^SXM8'A!/.TRK M17)D\]'R,'/N&RYFRF\@.XP
*8H!Z6M2(J%K7#9*3V'[VWH'VCP+\=X[95']_B?.9M9 ME2)8AG@=5>J2-$X\@AC!*
*MXF2=,HJ2(V1YV,_\W#FIS&HB*H_^.C![X84N&W6C@*(%T6N3Q+$XB22R68)*
*MRD@F_F$^I2S.(C<'=1\S5@ <4]&. O2V!5.QH#< +969(^C8+/H^Y-Y:*7=O*
MZ(D+M ^%.BR[/O(=F-FHJ]7\MEJR-5W=5-]Y]5Q0KBZ.D@1CRAA''@TD0FE&
M4,H\'_E!R+P\R>(XT4K3/$5@9//1DE2GG98JJ(#ZI%Z&%Y0-:6&+RD!0[05V
*M3IJA12:>[2TP\=MV<9T<=I(%=DZH;I&=_9Y!)$NVRI/_+W%&G\E"YF=_?UA6 M**
[GQB[/AYV5Y+W]LNN>I].TYHQ&-,Q(U4=]A*,H11D/992+QEXB]C!Q!-/9*
MP0SIC[S)>!@0)C&0($:$:UQU0*\()/-,=4_/6X!H-E!L-. M%SDSEWDGC';!,#*
SS7@QORY7LF438^)]JE5AWTVE&IS+@LA3Y.(AN(PD44$ M8>YAE'A4_!1Z*
26IR[Q4ZTAUCM#8\2Q%VFEISQQ%76C(Z>CK69.SZA]VOC:5 M
#.SYO)KKWE=X09RE<00C1,E?MCZ3V<'GF1YZXK7K6/M[QL&P3<%N)L6FY3Y
M',=)@CC-L7"=B#CW!U&,N!O'/(NX%\.2F0Y)C'T#V!&\H GI$;UHAHHODA88
MXH4)"@_(GI3%5B#UD,"T ="3 AX$+D]_1IHC)U83;,I\?O[BK-B)1,"OPH] M-

7"SH;8P6SE;QF;.AC4D=(PD9L>;1I$FWHRII5O(B9B0VC#
<4=VD8KH\++KZXKE2MZ59+%2UWT6D!I%F=_M>G[LL$E5+4N^7-=*
[F2@M&_IE6B?E'S8YMD0'!DN&I;8,I:DCHU%]U\E!)ZOT M.B=6O^;K['?-
*?)*FQ9W"UKC)[R1:]]IZ4?4?VP"![V:Y0O_/\CQ$.'!3E+B1 MCP*7^*
D+HBS3N_L%T!Q[W2H.9BUDS#)W.BZ:2J0+XBLZ^M1S(RQK";C$;2@(M[T
1+:TY>M0G'1?!ZA@?_.&/ K?H97QH:LU62Q>;DG!?J[59>WW;5/7;ZL2
*MO&_#1AW9*NSN9BU7CF3+>:[_YC1=;7NL.=_X:ET!VNP!=7A^[Q]/?3!S8:BY*
M$3P%,XT8^0] 4I-Y%68JZ/L:AB.8>2!W%2GK7*Q6V7Q7Y=44Y?U-_K$HQ5&C
*M((M>E.9.4*B/_ZD%MLM#EP>,QX@&D7!5/)ZB+.*
!N[.:VD:9N@,E0SVA,;0AB67R2IKD_I68RAUWPD;A8:9 M87VWKH7?
*5]?"FF=%T\7E_;*L"S&"^J5CM>+,FT>^3UDF#G4I"5*$:>2A!/LY MS=+:T!C9]*
M)N);,FT@TI.:+A.E[)LFHS$N*$%]=[XW['U])[-<55,U3%F W"3#R4I<@3-
P89=S%,G< MF.0TPTGNSY]X52S9]Q6I5GJ&[2V(!EGU^P)J&X*
*-.PY1$:",WQ=E*6_,Q2_-*
*MJ*KPE2T7"U+5\J,&V,BD"/:UWQ42NG&09^*$AT/QKJ0\0TGHAR@CN8MQAGF$*
MW?9=N2[9_^4WI1//^#WA$@'K_]X;HK=WOP561\S+N[STNI%SY_348"&MA@=*
MP+&Z:VZDG3F=O$XKL,D=CXH=.1-(;?E:NTW,H4VZ[I?6Z3I*\!?6^)3*9=O MB3RT*
*\0YI@CPG"*0I>X M>1@)3RP#71WJ$A[Y2/GYT]6[3Y_W7VZ_NY!2KILS?*
\8V95082W95FVRD]H_MJ#+V;13X>7B9^9>B+![7CRV4EA_BW!
<'-93Z.!>&@@N3D8<9PEZ8^T&:^FX0
*MZ=:7[XP\LB5H:>E7D>^*/;R.+Q(&ME!;,A8Q%D\R?T&9^.YXD]6''Q6C7QA^_M_*
OP2_9O8O=NZS$^<%EWVL9IY-ZM>Z4^-,;(BZ%'VMFAK;QU_7OR036_I];ZOB%
<\5[NZS8K=C='MI<=CGT: MIQC[(MD\^48!R@)/'D5G:4!CFD6^Z*
K%#@+8WN]R_(>[5?# Q&+X6K5 MW)(7Y[F676_$:_VHBD:V-5/ZN_U&NO,
[NXE@L+4[*).]IN/'A#':N#>#3+9) M[]/=WY/_@9_U^\J=E555ZQINP9Q? ^?'/G]
[T@!O=LC$IY_\R\3#K8&[BK" M5&5L+ZJO)ROH_3\MDM%.#+<9&OBM"C]U3'P+*
<-K=OK V7K!;_+3V]$W+ODO M%D5SQR^_L\TP3OW<#?(\14E&,
<$YRCSO!2Q,,6N<%@]-R @2(P+&1IYP7Y? M/SZ2ZD5>3QZZ9'#L+&O3H.?*
*B3JE4=W'W9&G?BO*3V@JW7#FGOBNWZ#U[1HN:J'>$\X+$7<$X0S4F$ M39!?*
U>#F>(V$I3_!U+(L8BYV8Y3FD8>P*
*MSSV4>K[X)Q5S'F,>1UDX6:;0V!,+3@;ZTTZKYA;\]B8*N%-?GL&SR='I"7,D*
M2Z<3J&F1^P;2<\RFX+4S<(!<_SF2;,RFPEH>C2%Y,Y?CYDFE5Y?WG[G@XYND
MU&]X>$O 2N9G? J:%JCHIS!;F^/QR_MNN?*
7W!UKDU5=G!]3PI^9@0GH=$7Q^M\Z0BM(Y3S_]ZA' KVN5PHF# MF!#9#C/W
Q=AGR4H=6F&TL0+T]##>9:ZKQKK:_A\E:C>:X=\VBGR,APR&ND$71R=>R/3,WGL#
[P-Q)E:QA_D\&T M79V^O;!9R]^?-4"VJ]X10V%[A,QV6=7$HQ8C?
*UQ6'Y;K;)6O%U>4+M>R=10E M+LGST$5Y(+QU'&B1#&5)GHD#>1)) M. 6*8NSYQ*
*_",$X"W9*N_L CK^F.%+@_Z([PPTOT$I%@RU%7&E!9US'6+ZCJ MVAENLJ*N8T+T:*
[J._MT -_6AO/]4?I1EUU?U3?YSO2KO/ZQN\MNJ^J6Z_FWU M:VN212"
*M@_C]5IQE*N<73JJN/%BY)K7ZHO",Q1CO93!1_"B_!(!;-57]^1#V%%H'+O31*
M%&ZQ)M2&ZLRP6DV)3H?:>J%:=O!;+QW+$$L^SSEMXG=T^#80C8>6\MFY3M?
*GC/*B1M[,<(NRQ'.<81()GP(/R,D)5'L)GI.@T6> MQDY**
*[H@Z*_*'4VF7$MC4NMZ!8F)=_J_Y.N:/BC;)B)JNW^Y3*
M8Z=_T;MXXDM%1W(^#YSU8\@^KZ^"
(<5N0??,$PM66PCZH:FHX@"$P:.ZD5OQ[I86MBRVA?48NA+
M2R);U^9':4Q[]3TDYL'U]>"7#5>CQ"S\5-=KSL3Z%K;R5N7,J+BH^EM[]=T=_M_-
B<9=CGU L1CS,?88\QE(9!AKB;AG[DL2SPM8YFQAR,O(J_\I53"';4]?0R
M=\31]7%9.K5JZ+_MK595D:U7"O=BM71N2:7\C!$
*D2>#0'XKH,=PF&/KP,87)^2=Q7A76.[UI[*Q_M2.?[5OB9&[M,'#AB[*
K[$5(/94G,4>+G>9($0^7Y:HHU\MU_5-9<;(H_I!\NZP+R>QG7M>2=<__(K[Y
*M4,]QAG/*LQC1/,Z1["HF-N&0(9?B((HYS4D&\N3MLC?R=JKLVG-S3%[(MI+**
M2'J^\ZBH0^M6K4Z,WJ;X>NJ&[6Q:Z--;=ITMOTU^?L?QS/GF=(H)'+;N;VQ:#
XQSIE#S+OV$.,<.<1L8M5;_M"9R^"#IQJ MB)B7\20A/.,T
*1VFCE$9>4/M:*JL\ZNUV#R%-Z4)OS6L'*##.8JM^:I*;5F@+>,/>T++9ZXQZA,&T;W-*
,B'G2\'?BJ052B
*MAZCR<5E)7TG&1*0[5.\U_\A]'$89RU%.\@1A/PI0ZO$0N4F68>8RSKE6#Q88*
MV9$M:!]IJF7$V7#B%8 !TI]96H<]D=1$6QA#VL'T!3E$E4!CM&CJ,SL1-Q7*
M7=ZJCFY4I])J_F;I4 N6>O!\JC_:=$=-L(0[IT;XTP:=#SFO?JR6ZR>5C%?5

M'\OM"ZS;#/'T$",;04G94:2=EO9,+/?EJEQ"VL4-J6#8W%F4'F;?A@2W7/ZE M:-9;\6!*
<:=KMWA>N)T.C!I?AR_#+ZMJ(9VC^B9O2F; J_#T"",OPB]$/%20
MA:.HR]/5D=HI_=4XH(GSB]&.$F!K44O^$1;E>5F-UN3 L),MR?.B]5>DQK<- MSA?
*7]:IX%%/+Q-:;\V*UKKC$(!"__:0.,+R+S8I/KA8+<6S^SLMB67TA)6GF*
*M?!YY*7%#&J.0)JDX>) ($==-4130U,V#*" ITSYX7,[/R'9@PZ!#RG(MUD.^*
M852!KJA(S+KEU5FV]V+R0[)8.$N5V,_7)9HKJ9 MB,<-M[8.6?;T-
GCZLD!FNF.9/9WLG->B+_X4(1L.6K::LT4IC!5&?4]YF8- M>J%DS%
]0_#+%6(JK&S(Q:>C],D7M1^]+^4N]K;IQ,4E3$B4H#$)9PYE21/(X1EZ:9"2@-
*/12+0MFF[&1 M;9J'?+4$(>ZR3;5K^,VOI$R8\=LPJ7SC_9;J*M]{RZFC6'4$KXWY:*
]AU!+O- M7.A4&
(T[+0"O^I6FQ\R]OGLH:D=8J4>GXD_B>ZHB3#8%R#>U#S+\PN1\U=OY M^_VAH
^.3-#DW2ZV6@I/6WGGOQ>KAZ)TEF(V7^1LBN?EB!E9J.R!^H'SE<.D
*M"R\3!;9#B6V,WR\KE:I0"E]/GEY)[3SP!4.K)7IL-/WX_6.,;P!QN5A*EGQ7+ U6=0PC/-*
CSXZ\=\D(1(\F M ._RF)SG0\.7B@C<47:ELXSP/22+&0KFL0&GP\(<$&
*<'$7/H>R97GTO8*MD\ M,/:UYO4-Y/9RJ;T&C 2 O?B"=\LO^P'3AE>-RZE?*
ZP/&=Z\1]_]H%O+9 "1O M$\,W=1QIS+.8!!G*4LS%J0A[*.$$(T+SS'5)$@89J_4
V15T0//'Q+&UP[MHZ,SO>B-)4W EI:Q$L Q& WQ+ 5:ABA-
&DW1$'D_9+SB"GD]JCGOI)';:#R MG8=&7HN2!!3@M1/G_!9E+*
EL+1VYHI_U'#9G4$@#F-<]@2Y >>U&FACD=4^ M0XS7_2\8PCK1!
[6"WZ3[]8UWY2]M.&]/$N,&0ZQGZ$P2#$21ZB) P#E$=Q*
*MQEGF9CC3NF:_@(>1E]R/E<0-V,,1X+4*26RC3>"&_=)2E*O-A/W"R.0P(JN!PF M-*
[+%:G"ZBL9C_8$W-(&@;F?TI6=H[&D!9E,:!?0)=QV0?K@^IPVPY= 3TI*1 M.$-
*L4GN@)_C^TM=\RFR5RZ:[Y9J_7SX^%K5L "L6SZ>*BY>#M7&:-$V%2Y(2*
M1&E,$W1
MT!:GB(;Z"#77VK):6NGGZ4VZV+7%WU_O^@^:@DN3E3I"WN0#T,DAIU&4T01%
MON\AS!)Q3.$^11Z/?19'3%@%4,E+:HC+_T-#])U[G/Q_SKP3M,8G9Y.-0\;*
MMC4%/%[84)(!.#5 :&LXU3HT)X:L!JCA$+T:\K!ASF9W]5M_X%7Q3"2"0?VN
M23_X+K,//LNI%D;KW[EGYS="R_F Z^+^U)]5YU;YH'K1CCP
*MA<6A28)PE$L(ER1&"?%0D(#W,\5D$' M2;'C4S3;-&XK>79=O=P*5E97I<)U?*
FIPQ"39JS^*>I[D:>QZU$<1YBG"?%1 MQK(><0G 8X2FA*0]=>@.;(95W*
M38;ZW4Y^NG"@!'6@2=;1H9YMM:P9F)$T M5@K8X '$M&2Y="A.:H(
**MBW)9!'S8S"?AKB'H(PI>O']4*6)ZGKI&W4^T=2 ME&TZ(OEC3A,<)O)P&H>,*
(;=\OJ/%2_9//13YG,:(TI)CG"2QRAS70^E MU_R-,LC3@-]8#$MFF-?
*VVTNJQ:*BYE3*CYDY*JK6EXM':YX@8!FZ2ETV/J- MI";@O=Y&0Y];#34L.#?*
*YIL#^;NE9)A&GBNBS@) M4WF/BA%1/7_RB*9)+&RS"TJ8F(KQT6UXLZ8ZL(EJI^Q-?*
*BH+U81!K_B3+.P5 M"U/5M\D^?*KWGFYOB9OF>(TT*E/PNO<:R(]G3D^F*
*MSBJ_@:9XAO/PVCWOH&S_.5K:&4Z&M8YUIO0-O/[;:DDY9W5+OO[4MG*_R15K*
*M]2_8_E72QEAGE#;^;MM5?^6I.Q7X49P%%- L#<4Q@!&4>B5"2I7[J,9ZY M7*M!*
*])A,CKPG"0K.4\NQ(]].IVCYEAL173X^"NM6J^;NZY+))K#JYRTD?4\>**
(;B_9T1\"1M;=S9AR;EMDA\]VZ+DI> MU;R(KF7E4X!^K>ZXK^MBZ:+HC*
/#'8H..9YHX/I\?(K+W4ZS$R4U[]?RT+ ML81_%MJ6U: ?E]5C,\P,4#A^FVRF([_'
*M.2/4P]A'D9^Z"/LY18D7I(@E- FYER<1# +T+,6QC8*B_W?@%?Y9-6E>S]L4*
*M'KC@%>E9KRIX;*P(;6%M79:?I3?M1;BN^ >7W-H/F@+#=%6L375;O]YM[I.,*
MY4F:H8A0@G#(,2(Y#5! TR@7/\4Y RWW(6(CK_0MZ;;<%(H%,Z FO>5N2WC8
M2N_)W9"=[52;V@2#.2^>-328 5(3P\&<%_H0#T;CF4MA,:[;#@G?>?5LPMKXJE^%
[=UK7/F>]3+\$Y(E&4(DPH1VF81\CE M)$Y=AG%.M!KCCJLXM!/<@X M$ZIY0?
K:TV1^&SK.#%V U#&"!JUC>=CD\970/D90\VD\D#&(P6,T'Z5?>%7?
*MY+=5]4MU73+!V&^KEZO?Q5GQQZIH/E?CAN6*_M5#!H2SO41K;5MY5LD:)*
MZ]WD(_D!4=;2MM&/'X4]D&F.A2EGI:%%3%/^2=LKSZD-(531K-
*AW75?/+,*S&@'$,_A&1I$L]'*
MF::?/^AMX]N8.LO8I';5;A0!L\3"9$$RNRKKQ]$LCVSFJ;\G]<-5R>1_Y&O]
M3!;RTNS(,7_N)8$;N:&+PA@+[SL,I2(CQ /_9SX(0M\%T.\;VW*(UMIR8!R*
MQ:C\@6]9@7G(^HK4\WI'40_,"&XTHW[H<7$B7F?/804+;\D)U:<[J6,)5L>^ MLP@?
P,R:?. YK\3>U2+8S-/8=VD<$I0%<2"A+F.4<9R@E+LA#X,1($_?U).*
MZ/<5J59ZEF./"F0![-/2O^-N2_B;5.0/G"KCZP3>S!%O40"S%?MJ"O+,CQ(O
*M0YSS".$\R5$21![*HR0+$*]V*.MFL0V,9&2.DJ&*OJO=I1\]@ M7B*
*PS"QVA)R6DCVS=T($2\9M?_1)3=@)T?8-U:FO&>0,W-^OKJM*GH&O'E?:*
MZ0$[3XU]Z7=_7_%[6_GS*AX$R #8E?G\,\6A5Y(1M$W>0?^-.R+E;'W-8LSSF5

*MY4L!S24,)/910C,?L=QE<93F41R'VFGAFD3'=OVW7#2-N!0?@ Q@7=T-K\2Q M-+T]GO*N)$NCF(!ZNJ;ZPB0]3R"KLRRF.WH#):*#!1^,+58=ZSI4H6!TNVD M_D*?A1E+QHNYQ$]:W#Z(':PM\0MI&GJ48Y2&"1=&4<+B8IJBG/MI2&GH1Z%6 MKI=#!#!A!,>^4-23#@68C'&L]"_+#U+(X. M-LD2&Q*C6TJ#WS&&_V)KNOH? (J]!5R_;I;A-3*4NIR1VA?\5!AG"G&6(D#A# M62)/OW',<**%3:%/B=CN[J 7J0HVLY&'? WT MOE':4NA+:P_UZQS!J4&_-!5P!/-+]\F+#N1?EZM?^.H#%\OJL2@Y@V?Q:XSU MVH=WP9@C.'.VK!D=Y$_K"G2\MZ(FRX?^0PU9-@E0'5P:(SA-X#4B!V?%/1%/ M./_<99<#FSYTGPN2%0L%DB7+7L,,8TI(@GSB8@G_[*%,QL/3..-)2OW,Q5H! M!DUZ(]N'392X;2JS(G]PH -P3F&PN+@%-1C&R7N-('NT+97G L6T'$L_1>U5 M8NMG1#\5:S_W&&RUU]5J?O7(*W$,[YI=)U$2N&$0H"2-Q"$Y2\4A.4M*

_.YQN M

*.;JUTU@:QYYF1N[.4,4,P_AV*4HP0E!'J6^.%;[D1=J+:\1>!MY?6(4JBPY M".:*9>5K1/9?3Z5 $]'Q*:0R'=6) <\NJHT!RM\PZBEM'LMM,@=,P[$B.VT^V M4?#7FQ_ K<+KS9/9Y<,N2G$MYZON@1@S.6&/VPDC:L)R,=KJP7F1N:79>M5A M%N=%WGXZ M/S:P:QW:VL_+A1A&N+(OW\B*SY,L"DB4^XB0,$0X(%*O2Q$H1^DD?A?&,0@ MC/@)>!YYY]Q@*SYOJXH@F8-KWS[1N;#-B>:P$ZLW?7W!-DMH7/W,KB2&'> M &(F7/.0#98)X/C/@9,)GP)K$)D&I$W[7"[IO[_Q)['V'B0337U-4_/6@('-M,Y9D,XE>;PR>>UJFFX[2C)L,>EU$&/>%=\U9!O<0=/GRL-VEOJ"FNMM^59 M@A,WMM15P&%72^TG7P8[< MP(\PXT$L7-I8=\'N1T[*8(7]P_"E"'GZIE7Y)Z+)?A(BK(MA%0LK,G"$:;N M\3__PXO K<%O8Y,OTC7- M&WXU!-I^LQGOL^FCZQ5FJUMV>GOIEYYJ6Y:UO5-*2/'-_D61*R>ISD5#FWD M(1(0><\?4$1B'Z/<]8,XCV,WI[0[3.L9L %J!@=HJ*%JFSO^<"^X^*NSD#T? MY?%97K2(=55L>8%9IB$5ZMF?2]5B9&4D4><'2?:O4@W?6S5\TE #V)IH"&C) M9@Q1FM0R:(B\O_YU'C%(3_B1E^)LME#'[L95DCV VXR62/@H*1,K.TFQ.,U2 M+Q7>28Y1RL,L\,,XX1[53C88HC2R&]*2=II 4-LZ0E('7%4/*DHC,<"6^,!U M?$KR\ZE!0!4 [MYMJ<+L)KU321,9;1J'JF8^MB[=<0;O,X>'&"ZRVD=.7:N MFK4>,$TGWNFRNW>G+?'N? I=P%.+W]Q47)SUI*>=9Z*=)'@6(NYXKS!>-4.JQ M /F9Y^8L)9A$("!A$R9&3SS.5CN) (.0@3T1\UG$F3UX.5;PI#P>:H6PP!WH^ MSMB:A1E-O1;A.TIMV'(^#RG5(,O97"O64I\-6)@X']I<28=)TA>,!2^2NN7+ MN^6*+("P)7N/C6QA;J]O'$7N,K22?5F'[<*%8L*6NYF$H+JD$[(8E2#MCS59 MM=$)(? J%1:>^8KKI=Y&,31:!+/7O/NPJ&%[F).5NZ@8YXC@.$79CB@C/0N3' M ?.3!/L1P?-G7F5+_:U>CS3DK>PSH.^M5C(20=2[V#9&[O!\G<6VA .ZDVLJ M5G?WMJ\LZ([=$=L4';W,G._K[%^UW9K ME&!:L;9C:Y*=>)>&*>-P9P8^;XQ=\,2KU8L\MZQD0]_?UL63?$ONQ'@?EC+T M.FN47ZI!<^0M_0.RO$>? A1J9&/K!_@(X6]2R+9=W C,H%:C'!,= 5U!Z0P5F*4R,9Z*K@")2! M]J.F#8MDV>3W%5FI3>-S"Z]_]4=1ST/? BY.0$A2Q1!@$CP8H38B'<)(F48)Q MYD'[%9VD-;(A:&MW-Z2=CK;SJZ0.- -#.M-;_I8T 50V6^G5A8?22$=YYG2X MIV<48M#(Z*RHUOH8G:8T<1NCLR(?=C$Z_PB\@EDECFQS#H4UN:_(8[M1!5&6 M,I?D*,N) [$:&7932T$,TQ93XB1=%7"NC[QRAD9>V(MW+@75:XL M_JRZAA>V M324 5[6Q_* 2:1WA+BB8'AQ^LO)I'2'[Q=1:WW^=;%[9F(,SZ3*T-0EW2_G1 MS7I5KT@INX-W6:QM#FO7)ORV*BB? NSQ*TA0SY#&9P^6Z&&6<4N0EL4UMBI08,O%0E82"U?.L%CA=5\&/9_FSS/% M!@;64@YQ[TVY[KTI\F/QK:VD,Z>3=9-BWDGK*''?3JZQG6E[(\G(%PKSI\I6 MMC-QMM.9+7%EMNG^5*[K-5G<5)_*O.*_K6534>&0JX,=33P2N1Y%B>NI[A8> M(DE*4>JSF&%"W< #X7H-T!IYNVHI"\TX6]J.)#Z3G[U;KAZ,CL5#VM/;0BSI M!&;? +:@#;'0U!+5D$8MR4ZCQCV"UL^/A9-CJ%L*+0LY>4)+ZD$ MCS@"4)M3RF,:^5HX:19X&=DPW3WPBBN\)Y@5ND2[>B9I(IW![%/#5'NO MMV6KN=GK :GT.9RU>%JJ2:MDSYZ]LJ C2\;K$DXFM6065+9OUFP,:>YB+4N5 M,MTFTFKG?N9Y01RD4"]JA\($CI(L&9($X7[1 MKB[T71C">'>32> <1735LY)8=%!VQY_&7FQM)3^KI](VQ=G>'E<(EL4;1$K!W_3S!NE"W;'V>R3-DCS/>S9(_] MV31? K87U5DNEP<>Y6J\>EI5,$)VG<4IRQF5EKB>LI^)[V4B0)1W?H<=26_ 0ZU= ME8%V:@,%&.WD$#J3[?0&PO<] 9/'#1-EZ -G:PD<\&Y=%R6OZROZV[JH%2A2 M_>ZE]]N=K'EKP#(C%J$P2Q*$8Q*B),PSQ!*6D"".//(]EH-06(-CY\.U[,BE MT3'D]#F:R62%W@?.KXHMX&4?6.UZOL:8RH19'OMZA*=F&"K#5C(%E/RTZ0^& MRCE(6# =!XA)(0>EZF7^W[=SSX^]-& 8N6XJJ_=#@K+0"U"\&?.P)?S?-]^NKV;.A^LO-^^_7=U]>N_<7M_< M?K[^?]^=;]>W/[W[+#ZY^6@!'.-E@$_H/URLP#;7[9KKS?4-'@8!ZQO@"\. M_V* PM-UY_K&GWFYYGN(7M=_T >9%W3%_K5N('_F*0G#D&4I"HC8DW'JNBC# M$49^[+-0+!H68ICJPJV:C<- M]UI69H?8?QT[SI:?,=4'0 :4XUFJ$"6U0E###)5QR"*$'C0Z9"%3.7=01LR M'N1U*@U^E%V6ZT]E V4^=STL;+A'4.#G/L)!)ON?)@S%$2;!_T_=FS;'C2/K MPG^%$3? BACNB<((+N)W[29;M'L]U6[JV>B;F[0\5(!:)# M6'%+9C 2O^/9X?,T]$KX2IN^T"RC>?-LMF^"%81_DJ#Y ^;^HX+@3P-K.JC] M#!4U>TUHOOY8-'GS^O&15O=Y6Z2 AA&&,#8]T&& M(Q>D2>9ZB#%N=Z5J6L[0L6Q!.\K.0-KI:#L]<3EC.H? 4M%4T*+^:>=,47=H8 M20HVL7?E(W0&A?^PLR-SXRYB$"2%&S1;]0'+>L3W'MS[UY&I.!4([8<1\?W$ M UZ61@#"+))E#* $$LAHFGB,JE-KR9]RRI]O ,1!Z?C0D4[GO1:R\0B+.<. M643OTIWP>>#ZTV?'2NRY)B*&N]3+4G^3KO6*T)SK8J\ZC*X+<4U%FZ+-YX+0 M'_^7OJXC3-,@)0PD&C1, (51K.8\'%!8QFWHB3HM58>3 M5748#G&1=14ND%;+29 75,,]."/,!8[!X8@+NP1G!#IV!LX]J''R?87;$_3Z M&\4T? Q&V^729U;]7>4-+QH:K\K4?N2R& 051&G@ >F'"_8 @!;'K40RQZ* M*#1SO(@9J>_XXOZ.+57 R?)]>='MPJN. >D,M,L@ES@?MXJ@7J/[GB-GQ])$ M\>:5,W#FO!MXDSR;N@Q;E=;U"V"LV:3>(M:*3>@OO&BZW;SNX LVEK]0_OT6 M\I<.=FG(DNAU4O#9?NU.]YO6A]_M5R +O(0A[H9E&0-BLD""J0<2/_480AAG ML6:HTC3A!4.4!D:4+I]@E47E?]+5UC=7^G*KSQ *,9LF\4 M6"0'QOF (LGW]8S(%UK7E'ZAJ*8?: (VK_&D7:^.2WME3.BKA>V.(6:G*$PA(6:;;@ !F5C("&@ M(?V?HK2HRDN(?*CE,J^HIS]\+8M? ^>A]'M5XX.UR)IGU,#^29"S7-G8+!<*40-5&U4A4DAE\L0T%>U'%B@L);6NI[M2\NOM+QZN6\ [A;1]X#>OMR@G"AE+,\,LH+BB<\Q7_O^A^.!^M$7/CB/X44Y2 MFL-(2IU-P:.NR^:04=5K&9EUE7IR["4U6D;(W66>D6[:P9YQLW?D;B,:5ZO M,*[XZ/U?^8[U>6OI.W##CDN1*1"LT#%<5M_)\1NXE^,HYYN8Q M4]R_B_J4J!JJNS:T("+^K./*&=AR>KY6H@]_)=S'%MH=FT['I]$.' JXF&O" M(4-TZ3X<"D"<:,6A\K;FR: X7A3100L-^X9.M)3Y,$49*"7 AA3(L)$ A 2 M%KH1\\),:5L_2! V\G*@JB>_4W")'G@9TIX12NQE?N@&:>%HCM2(IHZ MRYNDM>P!GHS81Z=V4B]I:K4HDO!0;O@;M>C@T[Q^+1MZ*D I"7P29# %GN^+ M@SN? 42P#UP<^BGU_2P)U,KNRU*VK>UM89/C)A6*:B^-HZO)L(&.FCGHR%HJ M&:HLGRE;($UW6;N@"L>1C5*

>0/T(H0T;OWN_TOYYV_%4WY=U(3_7?7T;WH4 MR\K>$G?N\L>VD0%GP?
GMZ^UG42^WSCD($[ZM*AKS9P7F@%#3ZUD,+)S]RQ[!'(&.^VJW]22J6=;A?E[9$-1MFG@9(;G6^6&RME5A!8N7U>%(B0VOO
M:1J+KK.38AZNJ=,/FR@>>(NJFZKMK$?:]KJWM&J3M=:!G^(LC#T0A3X5/:X8 M2+PH!+$?
$=]-0YBHU:.5(VM9<0^+"3ZARGD1]$]WHKJHGN!99&4/[$SCI:;Q M1_4%.0NBXT?'A--R(;)#NWQ26[4&Y^2V4G/P+-
$WK#TX!\1T#<+9M[4K]:," MYR(DO&ZJ-G*T+5 ;9S[C6W4$*/,1@)D7@C0454MB%@4P"U)"H&(5_E-T+!N+ M+55G1U:K]
<\YF.0,@0'AU31?1VZ= OA34IDK;G^2RM*%ZZ=$/5&4?0)QS8+S M&U37-^RN:J_V7UNKT
5V$3_CRSGCVIEF/H!^$@/1P!I$69H&- HBWU=RR,]2 MLJRN+5T1'CI0'LJUZT3"G8=+3FF-@*"FMKKRJU>KGY/-5-
7ZLW26K5X_)^Y1 M%?O9%_2*X_WU=HVC*(%NC$ 20>Z4(RA"5Q,/, _#U/-$;3RJ4ASOK[:+X_WU
MZ0;JJUIQO+_*%L=38UY-F:;Y5JY]]U=SM>_^NG#MN[^>K7WW5]W:=^W)$R%M MU4BT@:[_Y6_H.9^#=RR_*^?IR<$BY
MLI+J'>?.CK[?2JF/LPPD*7$!3",*TI0&(D1#-PPQ5FLM$4TP91E2\%9 M=/8Y4_-)C>
NY[XNC::BM=F2=8:PLMKY_8F(>J%M[\FN7F,N0DZW3VXYM'2= M;!(R0PZT$986];5-@GCHEAL=6\]R[JI2UG?ESDR+<-
S/Q35ZRANT:<_ELL-J M:M]H5V>;?J?52XYI5RM-9-S>%^TH[;'>.F61E\#(!Q0%;1MN#-(Q2 @&8T\ M[$&<*,7
V69XB< :T/+FX'$H.NV:+:C97^NS)V>;?Z8Y4;3;MY^05Z?K3X[+ M-NV%_EZ7=>.,6#1GL)?"T9 QM\[NHH9^*?
/%X'%Z.HM$-]HW52Y:$0[;H<9 MAP2C1'C(*(;<5TX92'WN-6,<1 &AA)" J%CUDU0LF^(=39T6H:=QD;.7%TNK
M9N0.!;40N3PID2%S(>75D]E56[D+9A"-?=&?)U22A?WD(_ M\?
P(L(3O7&!,^*9%%'GUHY3Y.&44(:E((TEZRRC:'@NK+FK&:?W9EA%'<**J M?],PRBJD,7"T-
/0B7#045TK:"S1Y>OR%55M*V&-=EWM-_8[GKB)\8_>Y('=Y
MLY&ZESQ^R[*VMC3DKVD.))J_D]$71DV[[BI$Q"GGP4::Y"\Y>48;9UI.I>T,UPXRKU.)2X6@>>SXC+8N!2T8K 8RE(:$@
M)0GR,"9QC#VU-+;Q\-:/U'IBFHTQ]Z&0V\'I"ZBF1/*R:22;G1+!6$;9WN + MIXV=$NPX-^SD4YI1IRB0VL.6ODR-
&/=31?_U+!I]4D4**81I9X'0@HCKF,9 M!(GG9B (<,)B& >9KY0J*D'3LN*-"#M;RIJ))S((RJFF85S4]%43$05857DA
M3<6M2E!<-H95'H*C>%:%5S77U_R^R%F.4=&,;N_*38[S\=5WQ%P88H1!Z"4A
M@"AQ0>*C%*1!$C*$:.2GKM*Z*T76]GK_/B(^+ZI9,Z(G[V+[YXCQ85:#E/) M!=PX4HH+^S0RMA+,E:0VY0O($5W61U
"XLAW4'M;_8SJFF^!KRJ*VE.4"+.(M>B0$Q*V; 8$*4?04CQ8VI-]_@1)5R(U
M=9441NDTZ!3G6L<^>P,M=KYSBOWQ0<[)WQMIS[7]H[WH_#G!($Y;ZXB[NMS&ZTNUZ;;1L.&1(A\P+YZG*
MRTJKIML\N'(KJAFL#/7=ZG]P=N2M-=HZR?--6@>KKMU]E=5,AW*Q#U\VXU"@-+4 UGL\FUW0GP8^DKU MU<^2LKVH]LT%-
CL&_ENQH/IYE.3TW(SL:@H^HCEJL##0-5E+?58X4Z74SQ-: MMI+ZK,!'A=3GW]#H0K4M*%'?
L&M4/XC_BU(3+VC3A\.*Y@Q#G-1^PY @<:.4 MD@2XHI(K%*XRRH@+8M]E%%.$LDRJ%]ZEC-C6_2UGP@D0?
*W:_SHC]E9MM/F(M0X6.49=,P;3I6!)81;]^A^E-A^D1I,[5/J(JC5W,@JS0F6LAL/6:<^U_R%C@ MW?Z'CD
7GW&^8_&_#'7C,H#+9$.N2\9?KB>7 13VVG*9&$_]+O]S5YKMKB+# MT*O97-%RJ=VHZ68MRD]H&5#W_/A##?HVT-
!H12")4J>^>L.Y\SI69./ M%Y!';=JF6P-,S8!K8&4A^U,9"*W8!'DJBX4M* L^CFA0?_G"V]G/Q=-S4W_A M&\^-
UP=L1\QC7L@"$"41% ='"%"3B?I8E,(V2($2$8:U;V6-:EJW&_WLN.6;_ M^W]YD?M_;JL0D33M[0G*+W-[>QYD<_>
MRDZ\HF< ;IH'6@DGI:(/E!N=%RKB"Q^I:!7ZJ6RKB'=;6?S*UY&BYGM9[L]R MMZ7]VZ;U;G=I.E]I<\/NT(\U2F/J>HB!
((LH@!#'("/$!PRE*(O]C/JJ;43L M,*JB1EIM1WK6'-SSYC0[=ARTRV]2,RV69LW5W#C,< J\(,X S) +TI 1X,5>
M2%T?,3>5ND[[>>9,IY"PT[',5^*.<^_K)QA MD@:^G1'CK7\[8MW9\;YROG8]V3G_YM8PN_@:6OXL,;GHRFD7Z,-
%US(UO?7Z M5Y07@H&;XD->/Y5U>_-YPSI/U5N3)&9AP'WV+&0BZXTA4;(E 3$,0L_U:.+Z MH<9E[S3596YZWPDF?
G$VI:B;5SBD980[Z5R;GZKRB5;-Z\IYXJ\TW4FO.#)[M4K?4,P#+65P#>&E93D&WMY$"HQ%Q 5-'WIS=DY/2D/V:
(;:H'9(3_-">2+ZE M6:RD':6_=5H'44+CD'0>E$6BI"]-0 JY^^UGV$=) G&&V+HI&[21T_^]T97\ MKRT-
Z6_X3KS2>U^-@Z:_6ODLY#166T(U!>W(;"]J#=;',6_J6(6>V,O6WGB ME%A'92)./G1A]D]W7/]I4_Y9;Z,
_"A!*')#X&;(!Q"E*4!!R-7*=;'GTBS# M2*FTPQ0QR[N<7?9,?V'JM-1E(@?4<9-305-HJ&GD!4#HYQ5-2&@ZR^@4J;?)
M.9H0^FP&TM0[&J$47:?[&^XL(A&7W+:\0^E:9I??:$'_Y'[I(Z=9%MV'&T&? M^3'WGT/?3P'T^&*:N)X'W
B&C(0>]9%4M6T=XI8-0$?9:4JG$K17#A_CL;UT M[NDKW-RKPCIM#VR#I68?.D96SI85I^5%_,, X+<.P+L>P&O[
"J$.U@$4B_$ MP0*@:H$.FHA,!C>HCKE<0(.FM'M!#+ICZ+E@0T6Y#[3[LZWR6#U3B[,N6A*0AORU>1H+NJT*<%P
MZ+VIO6S82(QB<-AE(@RP"$&8N2",6@X1E,0HA]DF@=)\E0W0A$]'7 M1#5E'L:H76@=-+$P:AQ&/"Q@&$DY(;-
LRC$G^'(;A! C2=N'4NYKM$KL2M>)^ M9M>A6W@FCX^B6)*(W8-
I2N($A8"FHMT9#1C(PB@%;@)3ZL<8)P$!1Y:WWK[M'>F[:1LO=!J?^ M^(-6.*^%R_+UN8W="UR*0QI!@&(1)1/
!"19Y@$<0>QB&DH@NK.V'5EKQ8A)\W,E>?+\EC.@>%P]JL<^9G9<2\[) M7D_7;1KPKR>_%"=266&JO99M0
M1LG?:7[_P/^\>J$5NJ>_\J&;#WSYWL::?RLW&^Z6B5'7 4N\E#$*2((2 #.? M@-1G$4 PBK(L"=(8*N6"_&3R6?:8!E9
SXO3,N,(;IQ=NL5"OI*E+\2RI_7V M\[ZXG]:)/&KK73M=9'3#I=YY<5O!5\X@NC/YG=D);?@Y)_:MG45+TOUGN)IV
MI]:8HVJ9S;.C6<;7,(N#, LCD'@Q7^"#* :)SW*L)M1DF"& MU?K*+\S_4@LXZ@WKO> M*<=3!C6%\%$W9Y\$/X-H*H6!
<>Z4Y"%#T%49WZ9 M(Q*+_EV!RB=4.+BJ1-+=@7^"9;=RZ;EK9=53>[_,Y;-RZ;&]/F-+ALZT9EE
M78N:=WSLUT\2[!&,* A]B)$+ 5^Z/("HBUF6>IE+ MI?H/25.TO+0(%IQW Q._..)#U/3]G[.Z.P[^^,+_ M<\='N?
J1UVN,(Q=#& (_]+CI(V[*?73F H\2F'@T2V+%])/3="P;O!U5IR7K M"+K.'X*R:L[)&9PD/=K+I5?
T/'4$5_<(I\4RY;F=H;*LAS4MZI$G-//X!054 M/G/K7=SGV89VN6A]E1^79I@&20!R &U/=KZ/0?
<5I;I%2\X@):>RAN174]ONS'5'=:@*9;X6DH1X)HM!G*&T M?$6':9%/EF68>45Q\]%7<5A__/W;&A(<0^8A0"$2,<,X
RCD:Z[KAC@, S>- M/:F;KO&@M@-RGJM2TA\>2SJS(=#D7TVY!.M.-WE]4]&VCO6D1/(.[D1)JH+ M#H]W"C3\;:
<\>\,MXZF>$&#KC)[ZG78L??E([]"/#WF--Z5H^S3:;\=NDB#$ MG]#6$[K32:LXC)+=VF9);3;]V
M(CL[NI8Z*,E(:"XN_CRII>/A9X4^$0<__XYFHX<3F7I#=/WK$&O[X9G^@Z+J M$_]HUGX<\"7.8X!Z- '03T6&,\M
YD(_AFZ:^E3)155EP++*\R\G46P"H8J@ MG/K;Q$7QF.U<_NV6G97(P#VK52SD(E9TI, *#HI60)KAZ8.B.8J6#4-
5@_*"NR:W?7TR$?R"AZIB,0H1YLX!Q"[COH*; M@-2'+HB0EY#$)Q[?&^NTBI*@;5FYO]&:5B^T31C33[Y7P5+2:
["#D*+#,##1 MPK-E@_\]+YSQGJJ-1<2F*YMI8&"X$94,Y3?I3*4 R;E652I#&"JXM&N)LLZH MAS#)((A=[(88P]D?
IH"%A/LIA33,)#R#21HV;[&;[/1\9;([L30SX#D$9\#P23Q ,P2!#?$B40A#@-@XP@_L]2,4S6 M.;7N=G6M:-
N8IX$U9\N;",,TB#$(D\S\?<>&=*QR'%"": M>2"(2922)$"9K[0+WA_>]BE6EU.F?7*U#X7D>96V@(JG5-
RJ9],G13!U'G4 M_N#+GD=%.SH[.GT4[JWS2+ZJJQ>OZ$_?T/\&\[1IFZ[8_2G,/4Z<)D?!2+[M*"9'
+J,IB2D/A!HG1D/$_2MJ.#_G0>!*J5\^S<,FIH5D0U%1S M2WOE'"BVY+?]> 863-Y&RXIK[$YZEN#"-].R !S?
3TN_J6<"0E%QVD3)<*9] MA?DN^WDCRIY]H"S'.5]EW2R*":(@36@ (!)A)U[J@9CY-$9QC+S453$!\R2M
M[W4Z!AS:@$,CH/#FVV0X?RHK1O-&M##F3O_''T]YU8YP+E>M+T1$VP:P:T*ISPBA MP(LS D3%:)"Z&09^E%
(8$!I3T2%GN7SGBZ2Q;+IZWKB&EI4H/)M7_,>3JA#5:67]>;*BC4S93Y(C?9DL
M_U$9TT:FS73^M!FF3!5)'UQ[4>?;HS@@21 #2@(J"B%'(*,$@X!A#&F"W3_* M-'I%3A*5LF<7MXH<$;RT/OH8,-
E]]J7RFZR(+@.%@4KH)T2T5@)]3.N-:Y^? M$'N^Z/FIES1S#ZM[5.3_;NW)-3\N_E>'B^H9]R@M48+Z/WW;6
M&G6UPPQE(2*BJYT+(/%=0NDF"* X\5V/^C1P0Z4L11-<679IQSR*:_D1EZT' M,^93G$]M.75VK&J?HIN9-
CEKM/ADJ%FMI>9!/1?3)&ZFLC:-\+1L?J=)&(\R M08T.KF:"*2;KNXIP/_

[Q<]5V[OBZO[^Z@7EFZO'1L9>S@QAV0)R2E7K8#DM_MP*_M_.,C_WRN&X6:"N?
DG5>^"T75NI(_EM)@]809H;24ZM1XBRG3A#!C)9IZ3',[_ML1='>7_N(7)5A37\QDWD+>73733KB!%1A8B
,$DQ@%G,0(HS""*70$83Y+E9_MK+1S4&3_LHYNSRN'JI^D9\'A7"J6ZU;&5M*]MXB8HB=_&.M\=-H[L.,(?E9.
MSY%!EUT3"U/>N2KY91UQ37".?&[=<4R8I&W2RCJB;A2)DPH2ISZ_4>@";H(@_M"!AT$S]E_8N5(JC/T+%]"K'5F4U[=+
<9Z%YB6W8@Z9@0+=$0M!1?9L6^T!8<_M"65%Y7=4WE"SCT2=5N#CQ_7T]"MMKE']<%N5+SFAY/WK[S4EGXM^WUW<7^$F_M?
^G:B[I>&$.,4Y!ET.6J&U._$(4@)#_*4NJ%7+773=F@C9SJRI-6TN8M_]+?_MM0AEPYP3YZEG15R?
OGNNVX;.OSAL8,A!6X[4]%P!9#G5MP.=FC40J_DFG-LQ_M:K\/J&UY<:[F45,V$^H_&+(<"HO7-2;J@!S:%XT1U+?
Z[8;R]X)4F]?[T3&"_M_+G;V0$LK_B<).4TQ?>\(RN_Y3\O]_S&WXC(:KK=DG1.RFST;&U6-*U#@/.C
M+G84,"O8^$!@_F'-GLJT:I-P.+=MI,-PUH22%_80(4"3E"_D;@!!RJ#HIHRR
M!!+J45>I9<@9.I8UWW[[_KAK*=@XEN978@.QJJGE";/,%36>D_M,M4,^0R593L@3XMZU/9XYG&-4@O77;6&O;*Z*,+0IS
$."(>@![A*IH&'HA%_M5<7J'4QPO5?D8.HYO17]NJR;&_9K69+Z3NQS^V\G_MCL,L13&W$6X4_4@QWYECUP6QF[+
<[/,14J':J?)V+89G&C7D[Q-%U9;Q,_M([>&7RZNH@'I)6TICM/PG?>TP_^/J/H?"VOZM)2&EO0S1!9=T:<%/5S09Y[6
M]+R[I/:_(Q&S()SY7<'871Q8X+,,089_1CT?0!)'(,5\H:=1$H4^0ID?*H7O_MR1"U[9-
W+#@['D;5B_7C[J3@E/37#8.DZ+Q?C(^Z*Z\@L"F_7H;DLDZ^_@A'_M'K_*NVKF@M!\?<5=,2+$I32$:1(G
M4C4JCD:VK/A;6HX@)J?=Q])/J_!%,BF>?\F)(ZV,9UF?._B[W3*QG_8Z=CQ_M2(LHTED!!FTY_X"Z2G159+
[1^UQH5]%\18]TC1-1<\O/@_L1UPP6BAUQB$4&_M:,C4DYC,Z\NEDJJIC:*02NHS)8F6%IT<
M<#%EFA)GK%.3SVDZIWT)\;OR"O_K.:_H^^_=P!_M%>6"Q=%P'/"?4N2FL1NB_%,EQW2&H&VGM"1F59K_MHZ
H.JQJ>!AN)"0MN-YU[N3(RUWIR@BX=ZTK]8)F#9:&CW'U]%11G'=%%D4_M9_W]ZMMW^00*Z<$L*W-
+WQDSX'0<..\X#\JE26:AD5N7#^Z#A1/#Z>QE#.&AA#1LT2&_%%V1A("6O($$S36M0(2(E]:_#D7M)3_M;-
MOZU*)NHJI@'Q_BQJS8NZBJ&(",D@_6[L1AC&F&$_58F^'HVMI-CJX=4M)><1_M5?=YH::X8_GEU%13*C6E[
3JJ)A3NA.L&U*Q\=3>7+5NTCQH_M8T55)JGN'!9)6D(CHLKR;^JV1/^U_>W:R_U(N9B_M##*4>@#Z0<)_\AF(2!_A/\
((Q5(A%N-!+2OT>Q']+;)JRN>"*#:'%R)/:ZNN_M(*I>:UMT]/_FQ3TIN:?:RF(B9O_$]R;ZPHOAENT+/Q+@J"_\^'>:R;?
-_ZW$_M@5-%'VA1YR^TZ_;WJ:QH?E]<]Y3N*E34(J>M+;S3_FW3E>'9GB:VQP4\[EVH&_MK17#V9-
C:*#Y[@MW8']I2^FV8%E.YVXOROFQ&^%M,RU&>^9LP<6FGO_THO==M>GS;UFRWEZ'0_M8]C-/.#'+._.(8E
EJ((!%GL>L3+4A@IQ=RJ,F#9>;QNEYJV=O?_B'.3;?+[_MKG*Q;OL]27_E[U4L0J9XS=)S(LSOO63NZZZVQ4*M\=3_,-
[Q3I+\&S6R4P/G_M?'\ZQ7$T\]M_%8-_X,[>)Y17?T.;9ZEHJ8G7+5L-0<=I"3FH;A-3VMB]#]*U
MLJ8DGS8*AH16T_LNNWTGI+,#P&!:^WF)]):/:3XRY;$K[>:&.$MHG'M5<[)^S_MNKM@^?BR5U_Y#N*8\N4;4_Q]_"&.
I1DERA#8W,]F_TB4_X_M_Q)-,CPG.$(WE4N"D_MJ%E6WQUYIZ?OM
PX@@.%Y/!9T&9.>$U#H:;)DRCHY,K/PJ&0.&\2%KTL>KV/_M1"VI7E;*R0S[V4&62[>7E6\Y+RU_?
*]E4!RHBG]=MN.=_HQ+.FW_"?.HZ!4:['37B3C?@);.4WM#7^:N?I)6MSIR_$?U=[NXNDRW=KNFW*6!^FN
L\0B.I189.7*65YL=?>>I9<_1T^3<_MMV$2!$FV-I)$3N(.RR@>:J9@!$5'V[EA3I>4WY%W!'VC@"C<8AD%1N\:Z_A;
MX4:S;@$J.X">^//_9>A"2UK@R1NM^5&6N]*2EFCO3DO^+>TJ]/AUE(HPRD08_M]9P/(0I"$3:;1*)_I0LR1$*_?
#]P4^:'7B:50:E_T_8F73(9X[^5"[S/@BEA_M!X.J_M1NYD\S0QE4_ZD*3T5_V>WN=%(1I!96@C>I]<4K]["Y/+?!&X&0
S.C^,B=WEXNL=J*\%U<$8H_ZNXN_MO:&%V!T?Y4_T?-@J9'XHIY72Y5LB;UBL_%#0Z?+D1T_K5E^^(H1__5M63=H
M__E3]O$C4GJ\@TN#1((H!\%(,T\"&@<,R^$">7NGUH-YE-D;.]SNR+%_M/661!>'$GPW"0U$JAFX=I>K[E'(R?8@X5?
913$8&[*A5_M&P-8U'U_X#5ZRKEV"C97?7O3A9(^+0%J/#O4-)]OE$9J">[S^::V".I]/=N_)\E#^+.22US#WF1P*K7
MCE.R.G\(ZL;N%<_*I7F->#S>@K>&9X79OR0_YCZWJCOSOSJ^=E=WFSXCBCU_MW"SB6R_O(S&_,?%_@MT(A"&D$:9)Y'F)
[(IH<'#+2M;2$$Z*Y[_+?ADZ?$M>_M\YT$8W[7<&%H[FZ/!%MO/G!-CO(LY^XS>WF5W17_#QFO@_MMZXX5KO)-
QPHG5S@Z_<_[D-@W+(6MT9V_E[]P,%H:<^@N96=1S-P/"GUT\!%,)RVLR6^:MO!:0:^3P(G9Y-
,P:%F<2Y!0J,J\;R(QLH13Y!:_MN_[QO-#'!8@EWM%LTH[JAZN"B#\^_NLY?T&;UGXTUZBJ7O/BOLOJ35(WPVZ<_M_A=
['H"!"*0)HAOPER5QZA.7ADRI9[L,5XY([' M-HQJED>PX^SX63E;C@_K*R!X:B\
[>I@%6RMGQYC!W<\EN)C:]&CQL.Q>YQ*8_MCK8X%PVFZ?90/JA(>V]H?<,^T*>RSIL^-YU[.CB*801"F(H^PHR;K!!B$,9>
M1B@*O=!3VMA,T++MXNPH"ZM$.M**_LT$4I)>C1GY%7V9$5$A>T_60@:_A'BF
MO)8)2LOZ*O,B'WDH$J^H7Q1>/Q3WGXM/(E/WAHF*(*2XYW[0[\5+W9"/_VI>_MK_ZL2/UK533D5(]ZMG;L'[MVCBHXK"
[7;@-^+KAZ5_!6F_GQ,_MFY+%ID+-R"PZ"P9-EQ$XM6YA]:DN=E=[,3#C&]W+!],L:Y*+KD9?\A=*#KM7_M?
=DF.:>9'Z1Q2D!$70Q@[/D@#;P44!:[6>2G2$B@4LU$@JAEN_@AK[N^#;LV_MQ"N^]K_03?G$5>B.XH>BW)3WK]M?7C_73?
G8-DPIVC/SVN$3Y+3GZZ+\U$/^_MQ)_J2B,==6Y;M<_>58C01U3]C^(&3VJ2Y'PLT]"KV<&..FC)'X-D..E<1V13
ME5!D2"Y;_$4!A*.Z)RKO:B1I7OFQZ[K?__7,5[5/9=G<5OOQK^FPXH?(#Y%H_M9Q)G_0$P"2!
(L@B!V(U9@GP49W)GRA*T+!L=/UYQXD[=4@>,DW>>>OH*:88S_M<$W;_<,@J*E_+W]'&_C*SD!:IXCR#!_*>9;F_-'+KYP
QE_^I9R$DWF4,T,L_MES\I)\M>WJ3D*PN73>[_<\%=T7:CZ9NO0?NX!=]2L_M;&LIYQ7_\1W?K;+++_95*LM/_9J+0=
[\Y&H_MO:_?<&%W%9E'\JZ<06*G%]E6=YZ?$,=$D^Y3PR_;M'M"P*,FWE//Z@:+5/D+_MMQ^B'^O6+%P5Y"^4W(N*
[9C_JKWNW<6WCLZ\J.?2-$T\$#,O!=_CW.5-$@(" MB+%+79\%L53=)B//6?'WZB4H^2QFH79D?,]%\-$_%
.P'0>BF!A4SV!^I8V(WKNMRI><4/+^]?=:',M^_MR@O$K?*8^#:WQ86Q%V#NQ@0LRP!,1&A=@GR_"
(E2PE#FN4I64IV%)2)TV:;_ML^ZJ>[*!$P=M69',K[T_9CES9Q<\-10'>>E"> =NQ![XG6#(R8M?G"U/8TMG_M(Y5('Q-
#!DV#@46MF#Y_AZ;K@I'4HV[^47TL2'^G?7B'??U2D7]4AS?=:DW_MNN,O7-
#N:,@&=UQ+2)#^(]M;$AC+LA&&_YI2[84\FJVS"[HAF-J+H5/*Z1&_MF^AB$367PC(.J+EX+.W:F9A24G_B@HFHY-
]0TV::BZ2+=&"6\\\L@Z=FU_9F.K>VRVX8&.H2L+8L"3@_2\"I4Z%2%Q!SY2N5.5BZ_MMJ4N1"<*7VH/]39-?
T=+YC?.X:>R$K]L1>%PZI<-,<]_MGOE\^E^'9K8>=T5)()K9Q@Q_/\,@A<0''O0#PC)&O3!4,>F7,+/$B>*I#'?-
M.A\7X2YGII="4\T87P"DLB$U@8_A"P#T$H_&68((E4__N)@=ZT$>'7_BA!J/]RZT8]$AS]1I2J?J
MN'3HP*;#MGPZE6!4(8_B\CF:-B'+(Z\:ZM&#_KG8WS#VW#F>N='H&G2V'_MHVA?Y]OBH"ODMRP*OEX*S
*3H)8Q8PRSR:2:RZDLEW=C#)&]U!QSHVK7KFSI
M[_BXPEAT2ZCYIES4EUE#3%#H)02$H4A_=FD,D(_X7V&61<1/$(Q4"UA.4[0=
M(MQ3%,85%$NXH"YYN\M42GS_$^_L"TKOD+_M[VE!6=YT#5;6E*69#T,(F,<@=U9C#Z009L!#-&$P2;
(P4\K!,\V@9KN),U/7&2F^_WG_[%_?/_J3.JU"N8=?:Y_M7;6_&'RL=SUWOZQ.WXZ,FPUU$AC+^B[!*0]'S-
8Y"1"./@(QZW$J+D\#4APB$(APZI1CY1.DBXS09R[9V_M2]39"*HKX>5H]-OB*_/.NO*6EL_&?
BEWW/LG0WS.OV]XY;7MMBZ.(VX\W!WT216F)_MHFPD=U13,$SKGR$$U)1/5GCG#Z/]!25DU0J'/3?F8M&N,T*-
@UGG'M50/Q%,_M_;144=)V[_%&L_K]]O?T\RKU34+NSXDLHG@G)%55O_M0F@;ZC8GH9["G1UU.96;$VQ/Z68?UBVY6-
$^LD/TQ,"QEX#,$XWV7!:#+$MC_M0)(,TY"D7D*E&NT=#VU9"P4AU1J&6ZGE?$L]6=3T2M"P4.GYF'5C=06W_R]<
M/?!OH.,:@4=/:-P6_UY4VU:QNZU@_6M5UO6NI/N7'&5\,]F\KEF4L21+$8A1_M$_"(XI1K4NR#%'I

/.QMW?\!Z^_M_M4>N>#=5U<:G9KXA4:3J1)EM[JS^T/#E0&$+EP%'&0"IVDY%_$/BCQ1?Z;] MWV4:WH6C0B!9(C>];B:Y.X'EN8Y"HD!4<,"A)Y ((QS.OBF_M[LY=6M--
T^P34KOQ&=.@;8RH3Y*.TTN#EB%!Z8SA16G=^!]0NM-A+^(I&U>+_M4UU,7DEOOC#A2@18MWRIM/3=G/.33Y_(EAOG35'BOI=6_M:VN4A'^CR^6J8_M*D_.I"G(XR&]LT_9^]>+?

$'AH:S8ZF=/N[NWTB74[&ZAA:-'\OADDC+DY!*G M(;D'M5FTU_Q-::[X>CU?6M:6YU&_TY]-BEAM?*BMHFY.U-Q))."26[<5LW?AL75[X>N?M17^QI&<+ MY>?-S$T>.OR_>SWZ4 1^+-
|4^'+&:/4(-/O[F>YM[73+F%6ACEEE;;B1"S%=O7(/(]#6]XD|/C M7[2V$5V]G>V=PMU:7*H'\N101RI^\I#$$<=:QKCP/>:M;WDFM:]+/J$K0O;3 M6T/E16C1-N1DC+-
D[B$_&.JZ_>QP+K6A7$LMN[36HMY(+BRE"Y_,;N3(H/!^[T MZUKQ^#]0O=1.HZ]KK75U%:2VMHUE!]E%N) \B_,Q|PX'.<#'2H[+P9]+ZYI M6I:WK<.H-I0;[,8[(0RN60IF5]S;N"> %!/-
''Z#XCUSP_|-]*N9;JU$%UJ M%Q'+?O92RK9IYDI+2*KY;XOM+OU28I%=Z:QV M2I@$%E))1N2"N3638^"=8TG3(K/3O$[P_9+N2>T!MV$JF15XY*YR! MR.?<4Y[^SCOH[%[N!;N12Z0-(!
(RCJ0O4CCK7R_8>*;2S\16/Q$DU6(ZG=:Q M*MWIXDRZ63#:OR_[(!_|=KUK6763X_| AAT8,K:1.0P.01\] 'HUE?V>HVXN M+&
[@NH"2HD@D#KD=1D<407]G=7%Q;V]W!+/;D">*.0,T1/0,!R,X/6O//@3_M ,DRA_Z^Y_| T*L:X\57FC7/Q2OK"VL8;K39+4QRK!\TA;<,R<_-CM0![)17
ME%IXN\8V'B3P@-8N-.GL/$D9_P!'MX"K6QV*P^8GYC\PSVZ|=*JS_$W7=/\ M#>M:?+;35DTVV18\++YAS&^W/0J'_(>M 'L-5[N_L]/2-[V[@MDD<1H MTT@0,YZ*,]2<'BO.
[SQ!XOUCQI<^%-!O=/LY=*LXI;Z^N("_G2NH("KT"_S MKG-6|=WFM^"-,FU'3;!]2L_$\6FW2/'YD6]0W[Q 3P?YWT5YA-XC\9^) M_%/B*P\+7.G65OH3+%MNH3(UU*0203GY5RI&?
I^%3Q7\0MZ1')("1J.HR,Y/8^W(!ZU17C,WQ0\23?#N'5(+-([J+4C8WU[% M:O*D40&?/6,D'!!'4XSGU%=3\-/%EQXFAU 3Z]IFKI R^3+;0O;S!2#GS8F& M%YZ$$@\T =
[17E_Q*|;:SX:\0V%G%75[J\5E<3V:LT3(V[/RL 5? &0>GXT >J.Z1QL[L M%102S,< =S4=I>6M_:I=6=S#9GAMQ(P!@\|B@#Z#HKR34O%_C"_| $WC"PT6\T^UL]%M8KN-YK8N[Q;]
MG7')SR>F.G-5+'X@>,3#X.UV^DTTZ;KUXED]E% P9,G;YF\G]2"<=!P.: /7 MH+^SNI[B"WNX)IK=@L|<<@9HB>@8 \'@]:F\Q-BOO7:V-ISP<],5X-XGU"^N M-
)^*4=DMG9_9+J!9I(H=LD\9W AF!Y;..?3/K46LP>+%N?A?#_:]EYDJ9M2(M&V1L$7!<9^;",H^H8]Z /H"BO$==^*FM_P!NZ_'IVHZ?91:+*8(K.>SDE>^D M3(<;EX3)!
Z=1]:VY_'/B'Q+X@T'0_#C6VERWFE+JEU/=PF4Q@G'EAEVU_9WDD|=K=P3R6[^7,L4@8QM_=8#H?8U!?ZWI.E30PZAJ=G:2SG$ M27$ZQF0_[()YKSKX/&\.L>.?[0\K[9_;#"?R<[-
_S9VYYQGIFLG6=,U._P#V MBK5)YM/FBBTY;B-;BU\P);B4Y4_\M,[L-VS0![517C$?CKQSJOA;4/'6FR: M7#HMK*YBTV6(F26%#ABSYX;KT]/SNW/C7Q7XA\96&C^%YK&TM[_1(M35[R(N
M8MQSVZ]EZ=R: /6]*YCQU?ZWHW@:^U+1GB?4+*,3-YD6Y75?O\9XXR?PKGH? MB%<:OXMTN#2VC&D)HQU;4FV;G 9?DC![,#C/UH](HKQ8>._';>##\00VE?V M*)*_A!3#[G*=3]&Z
M4 =U17B;?$[Q0?AY8:S!]C?4;C7_ .SMK181H\-@=>#D#FO5_#T&MVVE+'X@ MO;:[O][%I+:+8FW/ H U:*|=T#QUXOO=)UGQ/?3Z?\ V+HTUU$]JD)$MRR+ ME<-T49*#/U]K>&?
BAKEQK6@?;K^PU&WUB01SVEK9R1O8E_N?.>&&2 ?|F@#_MV.UO[.^,PM+N"X,ABE4@?RW'56QT(]#5BO!]'\67'@_0?&]]96Z3WUQXJF MM+9)/N>8YX+8[
UUEMXG\5>%O&6E:)XLN;#4+;5H97AN+2$QM#)&NYE([KT M&>O- 'IE%>4>&O$7Q#\6:=;^*-,?2/[-GNF1-+E0JWDJQ4L9?[W![8[X[57\ M>^.]?T35]56Q\0:/ MC&KPZ?
%:R74TO&6|Y@,1?RQ^= 'KQ95*@L 6. ">IZ M_P!*@MK^SO))X[6[@G>W?RYEBD#&-O[K =#[&O%KO4?$.O\ Q2\!ZC;WEK;& M^TK[7%$T99(@T6901GDGD
]N*G3QW+X9L/'VH6^FV1NH-<-I;K''L$KLQ :0 M@_,>">V?;- 'M5%>9VWB/Q?X8\8Z%I'BJYT[4+;7-Z1R6D)C:WE4 [?]I>0, M]>_;GF3X^|>7'@K6/%4WI4=KI-
^T!MVM26N%#J.3G"@!QTY//(XH]Q9E12 MS,%51DDG J&SO;74+5+JRN8;FW?.V6&0.C8.#@C@\@BJ3W?V_PHUYMV?:+$ MR[!?#\ MD'V/^W=1^M 'L(O[,WYL!=P&\$?
FFW\P>8$SC=MZX MSWJQ7B%M?ZOX=^,&N7_B"6WOKC3_O)-YMM&8A,BNK#*DG::2]MJUU$BVR6Q#6ZN3C#9^;('.>1Q[T >V4A95*@L 6. ">IZ M_P!*\7\2?
%#61XGU^STO4K#3H=&.R*"XM))GOI0"67*\(,C ^H_"I?ZMKWB7 MXD^ -2L[F&R-[92S0P31,PA81L)@PSSG! /;B@#W2BN/^)_B34/"?@2\UC3# M&+J*2)5\Q-RX9P#Q]#7*R>(?
B#%XZMO"[ZAH_FZG8_;$G%HVVS +94#=_W< M<^N>,8H]:HKQ0S=,!L9Z5?^&Z:ZWQ3\;-=: MA;RPQ7$:72B,Y 5TEX$OF-VL3W"ED3**"Q (S@9..Y%5Y_B9KWA6'Q=I^O
MK::AJ.BQPRVUQ#&8TF$I4+N7/&"ZDX]Q[T >P45Y'X-^(>L77B[3-(U'4;/5 MK?4H&#7=(U:XTY%>VF@@>*0_\]86 M V]\8)!Y]*UM0\9ZM;2_#M8V@QKVS[;F/KF-&.WTY8T =
[:W]G>M,MI=P3M! M(8I1%(&,;CJK8Z'V-6*\%\/2^+;1_B)]'AZ]T^V@L=8N[B1+B R-.REB4SD! M1@=>Y/:MV/X@^)?$6L^%;'0VL;+^VM,>XE:XA,@AD4L&*C()^X<_^HS0!Z[5
M&/S1;^8/,*9QNV]<9[UXD?'_(___.$/UK7#=Z2%\/WQLYU^ MS$F\8.JD]<(&'3KSTK?U'5[R^^)T<.GP6-O=7'A8W,5U)#NDC8L<.NZE?:@
M#U0RQA&O)1\4=>U+PIH$5C;6MOK^JZDVG--+&WDIMQF M15//(93@^]2>%H]8A^/NHPZY<6US=IH0 GMXS&LB^8F"5).#U!Y[4 >O52?5 M],BDNHY-1M$>T4/'GMK>^U8R.]W
M<1[UACC7)POXP2,]< MT >]PS17,$<\$J2PR*'21&#*RGD$$=0:?7CH\5>*9+OP7X=\.MIMF=4T&.X9 MI8"4@8)DE0.P"X]Q536OB7X@AUW5-+@U?3;*3188T?SK*24ZA<;52?
$'7O$4_A72-!2VTW4-8M'N[F>ZB,@M MPFX%57C)+(W7MBL3XGGQJGP\@CUR>P21-56)I+4'%RF?W;$?P\@DCOQTH]I M-_9B_%@;N
7AC\T6YD'F%,XW;>N,]ZL5X_=1:TGQHMXOM5O)K0*.%F6/$;3 M>8^#M/;..*DL?B7K&M:-X/M+#R(]>U2^>WOE:/(A2'/FG;G@X*L/QH]<)P, MFD5@RAE(*D9!!X(K@/C2;Y?
A;JKV5PL(79Y^0L4>(_%5 MG;>$/"&GW-@=9U*T,[WTD)\N&!5RH"9Y;:,?4>^0 >M5%<7,%G;R7%S-'!!& M-SR2L%51ZDG@5Q7@GQ1K-UXEUSPIXB^S2ZEI0CD6ZM5*I-&X!!*GH1D?
G[9. M)\;-;MDT_2/"\UZEI'K%VGVN9VP(K9&!8G\YAFMG7< MLT;AD(]0PXQ26=[:ZA:I=65S#0:5+++8RAMRRVSY(^N#U_P!^LO2?&FO67@#P-'H-OIEM<:Q>SVIB\C;" MA\TJI
!X&3DXZ\T >[45XYKOCKQ)I&O6GA6YUW3;*]@LSGRXR3[_BR[^*/B.;X?:;JT-FMK,U\]IJ5[':-,ENJ@$2+&2#A@1U/'([B@ M#V:@D 9/ KA_AKXIN/$UA?-<:YIFK""4"*:TB>&7:0?];$P^4\
<8)!Y]*[6; M_42?[I_E0!DQ^+?#4TBQQ>(=)=V. JWL9)/TW5HO?V<=]'8O=P+=RJ7C@:0" M1U'4A>I%?+GAJQM]6^&,FFVOP_OM3U>=I$AU:.W C1BW!\S_ &?3IVKT%(;G MP]\1_
|6K2&6YL/#DWVA@=Q)1'R,]^F,]Z /:J*|&T[XP:[-]AUF6[L]K6ZN M_*ET:*TD\V"$L1O$O1F&,XZ<_@-CQYX\U_1-6U86/B#1XEL45H=.AM9+J608 MRWG,!B+_ []Z /8:*|<|4_$G7+1?
#L_GIHFE:CI<5Y)J)L&NU$SC/E8!& ! MWY/-3:M\3M1L/ V@W$6H:/<:GJMT;8W]LLCV*@_,Y0@-N *_+CU^E 'KM%> M=_#KQIJ&NZQJVC:CV>!9T;J"C=&!P./_P!=+QYX_O\ 3/&=
MMX:T_4;325^R?:KB_N;9[CJ2%147Z9)/K[<@'J-%>,S_!2\0R^ M*U.UM[1 M=5?7%TNK3Q:0^I6?V6 PE MG!P(L9/!)QZ]/6@#TZBO%_!Q)UC6/$>GV>H^(-,6>=BEWI5U826LL+=EB?D
M.<]F()K:L_'6LS^'/B#?.T'G:%=W,-GB/@*@.W<._2@#TZBO(;GQMXOO[SP5 MIFD36$5WKVE?:9I9X25C?9N+ #V!P/7%4M:^(_B_B&&W!]07^BQZSIMC-H]M&)I9
M;*27[=*/".G:S+;&VFN8R9(L$;75BK8SSC M(./:MV@ HHHH **** "BBB@ HHHH **** "BBB@ HHHH M **** "BBB@ HHHH *QO%6@_\)/X:O-%-[)9I=J$>6)06"Y!(&?
4#'T)K9K(M\4>(;7PKX;OM:O.8K6,L$SCS&_A0'L2<#\: ,F[^&_AJZ*OH0TRTB4VHMUN MDMT\U2!@/NQDMD ^]0Z9\/HM/UK0=4DU2XN9]'L&L$WH!YB'(!;W ('X5S]Q
M\6Q)H7A/5;,V*PZGJ$=IJ/FEBMKD*7 ;(P5#=3Q7;Z+XR\.>(H;J72M7MKE+ M09G(;;Y8YY.<<<'GIQ0!%X+*0>"_#J:/;W,ES&LKR>9(H!RQSCBL>\^&EG>
M)XM5M0G7_A)#$9L(/W/EYQM]6,C<%&3MR M &P 3QGI5'P+\1].\<7FJV]MY<7GA M6Y:\E4^'01$_H_??*J_-Z?=[>M0WWPYTJ^^(EIXQDDD%S;H ;<_)'4$*Y[Y M
(_[Y%:OB#QEX>*F%=;U6"S>8$QH^69AZX)Q[T2>,O#D6E66]/K%]MA>R" M*WN"_P COSQGMT.XX]_<>)]$M+'3[R;485M]19$LWY/G%QE0N/44 < MOK?PQ%_K6I:CI7B&_P!'_M9
FHPVZJRS@#&1G[IP3R/4^IJ2^^&=N)=*N]"U MB]TC4=-M?L<=T@68RQ=<.K<,)/^$;M--A|4:W'?6MQ]I74&N2[LYZAE/RE/1>@_$YG|*>!H_#FJZCK M%UJ4VI:MJ 59[EXDB7:O0!$
[9/M3+#QE'!)XDN-*T-,|<>&-9UB32=.UJUN;Y 28HVR3CK@]&Q[$T 5O$?A&\U? M58=3TSQ'?Z3=)"8'1%6:"1"<\Q/\N?>L5_A'I7_"$+X=BO[N.1;W^T!? +O^ MT=-
VT<8QQ@5MW7Q'\'66H7-A<>(;*.YM@?-0L?E(ZC.,$CT'-;LMZATA[^V9 M9$,!FB;LPVY!^E '(:?|-_LWB"YUR^U^]U&_NM.>PFDFC100Q'S*% "X ''U
M/>LFW^#$$>F66BS>)=3GT*"432:E M'6]5TZTUN]+@VL995!\QE4*[1M0MHUDF@&=R M*<8)_,4 8U:[^.O"\6@IKCZU;+IKR&))R3AW'50,9)X/054N_& M^FW_(.U/6O#FJZ=.;1/]9\T?
0;9O%%ZNH:)(S6M\($W!2 -NWIP% !_G6X?'. MAZ9IM@^N:Q86UU<6,=XVUF".I RR9Y*D]!UJ[9^+O#^H:#++KEMJUJ^F0Y$ER M7VJA&.&SR#R.#SR/6@#FK_X922:IJ-WI/B?B?
4M(BU4JVH0VRH?-<=65CRA/.2 M/7|*MZY\/$U'4=+U33=;O]+U73[?[*MXI$SRQ>C[_O'DG)[D]>,:^B>,O#GB M.WN)])U>VN8[8;IB&VF,>I#8('!YZ57TGX@>%-
=U,:=IFN6UQ=MG;$,@OCKM M) #?AF@"/P;X(M_!K:HT%_=7C:C<"XD>YP7W8Y)(ZDDDDU8?PG_C^/Q:;J3 MSTL/L/D;1M*[BV[/7/-0W'Q%\(6FL-I,^OV:7]R>4R%CA7Z;2V-H/U-='<7$
M5I;2W,[A(8D,DCGHJ@9)_*@#SB;X/6Y2ZTZT\1ZG:>'KN;SI])CV["2V*?9?$#PG]#7 M==M)! M;6_VF9MQ"QQ\#<21@=1QUYI=-\;Z!X@L;Z;0M4MKV6UB9V1<@C ."5.#C/>@
M#0\0:C%I6AW5W/87=_"JA7MK2'S9'#';@+WZ\^V:_\ @MX,ET'P[J%[J5C+ M;3ZG,0MO6X],5K^&/B/93_#G3?$_BB[L].:[:1"$#!25D90
M%7)8\+GO4FN_%+P]IO@FY\2Z=>0:E&D@@BBC(]4_X1DS^>='RNW.[=MW_>VYYQ^.<\UKZO\/!>>*H]?TK7+S1KDVHL MYUM41A)$#P!N!VG@<.|]!BKB?$+PU%%X7L-
=OM7M8+6[7"-DG8DB[OEY(QP!P1 MWK?\5ZY=Z+-HBVMQIL(O=0CMI1>E\NC=1'M_C],\4 5]!\!Z?HOAK5=!EFDO M+34IYI9O, 4XD !48^G6]&@?#NZT6]T\R^+-7N].TT%;.Q)6-
5'0"1EP9 ., M |<>G%:FH?$/PCI6K-I=]KUI#>(P5XV)(0GLS 84_4UTAD01&0L-@&[=VQZT M <,WPKTB?1=>TR[NKB6+5M1?4?,7"O;RDY&P^WOZFI-$^'?V+Q!#KFMZ]>Z[M?
6L30VANE55A4C!.!U8@D9/K5R'XE^#+BYM;:+Q%9-+=?ZE=Q&><8)QA3D=| M5:U;QUX8T.^DLM3UFWMKJ,H&A;)8;_N\ >V\17]E8:X2][9Q1QG>^#R'()"Y/('7 MIG%=!JOC_P
*:)]@TW4M=M+>\XS$S$E,]-Q POXXJWK?BO0?#EE#=ZOJEO:P M3_ZIF;/F=_E R2.1T]: .:G^&8,WAFYL]=NK2[T&V\%I',D2MYT6-N"#T.,C/ MO4K_
OTBYL/$ME>W$\|.NWAO'QA6@?.1L/L?6MY?&'AU_#QU]=8M#I0X-SO M^4'IM]=WMUI-+\8^'=:TNYU/3]8M9K.V\!,\N_:(@!G+ X*\>M &%HOPY-GK] MGK.M>(+_%RZL(S'8BY556
$8)P/O-CN?Z#"1?#*SB\"ZOX6&HSF#4[EKEY] M@W(696P!T_@_6MC0_'?ACQ)>M9:1K-O=7*J6\H95B!U(# 9'TJ*+XB^$)]9& MDQ:_9M>M)Y2H&."^<;0V-I.>,9H VH=.2'1(],$C%$MA;
[\UBN/]26;=YGNH&21R.>G(H P]6^ M'GVWQ8^OZ;KM]I,UQ;+:W:6R(?-C&, %@=AP ,CTXQ5%/A'IL?@RST"+4KN* M:PO#>V=^@ DAD)ST[C_5?_C67Q;K?B6!3:26.G7$<=I-
;Y/FHP8Y)R0> M@Z8IM]\2M,LOB5;>#Y&C5GB!DG9SQ,Q&R(#'4@@YSW% %>S^&XT_5]1UZ]U. M[UV_N]+DLIX;G;&LX.#@8&$!"A<=N37E |-ZGJEGI&@V>G>,$>WU%'6UU*+%
MI91!CN;S '.#P?0G YY]+|-_%S2IH]13Q/J6GZ?<0ZI-9V\|:[@6C3;AFY.. M2>>!Q76:SXV|-^'YA%JNL6UK(T N%5R26C)VAA@<|^E &'JWPW>YUO4M2T;Q M'J&B_P!JJHU"*V56$N!CZ-
&T4=PV) MGE1AAMQ;J2,|^YK1U7X@>%-$-LNI:Y;6[7,:RQ*V2Q1AD,0!D ^IQ5^7Q)HT M/]F[]1@QJ;;+)E;<)SQ]TC@]10!5|9^%8/&?AFXT2XN9+:.9D8R1J"1M8-T/MTJ.7PC!+XXL?
%!NI!-:61LUAVC:P))W$]<\UI)KVE2:I>Z:M]%]LL8Q+SD>0 M+'E6_N[,;,9[)M.\27MC86^G74<%F0&WR@ABQ(RFZ=([35[A8=2(:YL#&I1W"X#;NO&2<>]
M<]_PF7C/Q5K&JQ>";+2%TW2YS;/=:DSDW$J_>"!.@^OJ#D9Q73>'_%5Q/X1; M6/%-B= FMV9+E;D[4&,?,I/\)SQ[\<]2 0^+O D7BO5](U,ZI=V%QI?FF![; M&=S
8.3Z%1QWY%4+/X5Z<=-UV'6M0NM6O=;"B[O)0]/A.4V <+M(!_=ABN@ MT'QGX<3^=_8VK6]VT W2(A(91Z[2 <>_2],?Q,\%RSVL*>([(R71Q"-QYY*
M\G'R\COB@"'PYX)OM&U2"]U#Q7]FJ+;0?9[:WD(BC5>F75?]8V.[?X8T_%'A MN7Q#;VOV;+2KNUE\V&>U?@T=#|\KCV/^.4UQMX:7.|,7$5OK.L6]I-*-RQL M26OQZD ${@>YJU_P
)+HOVC3(!J4#2:HK-9!&W"< 9)4CCH10!S&G_OL8K+Q M FIZC<:A>Z[&(KNZ\M(<*!A=B*-H(Z]\X%5K#X5-;WN@7-JXFU"_AR V<(Y+ MJ/1]1AO&M2HF\K)"%LXYQ@]#T]*
,N/A&3)K9LO%6IV46M74LU]#$B%)$Q:RAM\ AE(/S,>N>2:ZJZNH+*UE MNKJ9(;>%2\DDC;511R22>@K"T/QYX7|2WS66D:S;W5TJEO*7*L0.I>X#/X4 M8Q^&-F?"?
B+0/[1G\K6[YKV278-T3%D;:!W'R#\ZT8/]K#XLM=?-W*TEOI0 MTSR2HVL@.=V>N>::WQ.\%))#&WB.R#3,50%CU!QSQ\HSW.!6AKOC+P[X9F@A MUG5[:SEGYC20DDCIG S@>YXH
X^'X/PQ^"KSPK)X@O9;"29)K3=$H-J58L<8 M^]DMSG'MBM"]^'5U/>V.K6OBB^M-?@M3:3Z@D,;?:8|Y^=#QG/0^P]!5OX=> M+KKQCIN]W=TEL!:ZG-
:0M;@[7C4*58Y)R3NZCBKVM^/O"WAR_%AJVM6UK=$! MO*;+,H/3. ^UBT@ M2[A:>W=G^62,#)8'H1@CZYXJO#|0/"EQHKZQ%K=LVGI*(7FYPCGH&&,C/N* M(O%_@J+Q1/IU]#J-
QIFJZ;(SVM[;@,5W<,I4|$''^X^-+7?PXO?$6DV]HFH6UVD3V +6PUWP M_JJWTS/HVFC3HT*C$BA2NX^AYJIK'PX>[UW4=5T;Q%?Z+)JD:QW\=LBL)L#
M89Y1L9Y']36YH_C3PWK^I3Z=I6L6MW=P EXXVYP#@D'HP]QFLGP_XYMF\,V^ MI^(M6TB,W%XUK'-9LXA9OX5R_(. @'7CWZU MTNA^,O#OB62XCT?5[:
[>V&950D%1Z\XR/<<50B^)G@N:9XHO$5D\B2",@,>6 M)P,:E>:E?66DM9NJPKNN &9]P_B.< "N3^&WA ME[KXB>(O&3Z1>Z;93.RV$%]$8Y-SX,LFT],D?
^/$=J]5U#4+32M/GO[Z=8+6 M!=\LK=%'J:Q+?Q_X4NK6^NH==M&M[(;F7<0L>[[O)&"3C&!SGCK0!=|4>'[M?
Q5X:OM$NI7BBNT"F2/&5((((//N!7+W'PR:YTO1@_B*^36M(W+::K'&JN$/& MQEZ%<>'5&90R|, <>V>:CTSQYI MT/@/2/$7B2]M-/-] KD<@%B,D(O+'];
+'A+P7;^%YK^]EOKG4M6U!PUW?7. M S[>%4 <*H]/\!B.Y\!Z=J'CB3Q-J;"^/V06L-G<1*T4(SDL,]3G=_WT:U=- M\3Z'K&D2:M8:I:S6$0)DG#@+'@9.[/W<#GG%5-#\<.^&MY)::/K
M=W$8+- M&I(; ZD @9'N* ,^7X=Z8GB^'Q!IKC3G%H]I-;6T*K',C9Y(&.02#_P$52L/ MA;96&F^%[)=2N'7P_=O=1,47,I9]V&J!]*UK3XB^$+_65TFUU^SEO6?RTC4G M#-Z!L;2?
H:QM/^*6GZOXB\1Z-:R6T4NFPDVDLSL5N&57,A(X52HSWZT :7B M+P*VK>(8?$&E:U=:-JZ0&U>>"-9%EBSG:RMP<'O]/08CF\ 2GP_IUA:^*-;@ MO;"4S)?M<&1I&/4.C?
*R^B]OQ.;&F^,[&V]\$6.O>(M5TR$3@[IK9F\EVW$8C M#?,>!TZ\&KUEXR\.ZCH=QK-GJ]M-I]L"9YE)_=8_O#J/Q% &%I?PX_LVTUR0 M:]>MK.L!!/J42+"R;>FQ4P%_K78VEJUOID%I)
<23O'"L332'+2$#!8^YZUB6 M'C_PIJ>KQ:59:[:3WLJAHXD8_-D9P#C&<=LYK6U?6-/T'3GU#5+I+6T0@-*^ M< DX'3W- &9X*\)P>"O#46BV]U)-+#Q)-.^^ MSM9+7[/M!217!!R?
^!4W_A8'A/\ LNYU/^W;7[%;3?9Y)LG;YF,[1Q\QQS\N M:SO$?C^SA^'.I^*/#5W9ZA]E"A=V2@8NJD, 00<-G'':@"GI?PODTF:UMK7Q M7J|>A6MR;F'38V";223M,JX8IDGY??
UYIFH?"E+N]UXV_B*_L]/UQC+>6<4< M9W2'/(0"2%&2!G/)]* MR_%7Q4T3P];:'<6]Q;WD.JW"*)ED^2.#=AY> <[>1CUH DG^'MW';Z6NE>*M M1T^:QL4L"0BRPS1J 6B?*AN!R*KK\)-
)A|*VFD6U_>07=I>'4(=13:)5N#C M+8QC' &WV%;VJ^/O"NB-:KJ.MVMNUU&LL*L22R-T8@#@'U.*M:OXLT#0=,@U M'4]5MK>SN,>3*6W"7(R-N,EN.>* *WACPS=:%+>W.H:_?
ZQ>7;*7DN"$C0 8 M 2-?E7WQUJGXD|#G6=>MM?TS6+G1]8@A-O\ :8(UD$D1.=K(W!Y)Q_| 6&*O M@_QTWBOQCXCT^W>SFTNP6W>TN(,DR"123N.<<$8X QWK4O-=N[?Q]8:*MSIJ
MV<]F\[Q2%_M)8%N5_AV\>,;KQ$][.^Q$4G#MZ*Q&UC]#73T >>6GPN?^U-)N-7|2W^JVVD3":R@GBC M#*P.5WR ;GP<=?22F7WPG2YO->^S>(]0L].UMVFN[*)$(:5L_-N(SC)S@8ST)
MQ7HU% ''6/P^M;'6/#.HK?3,^@V)LHD*#$]E"NYO0\]J@UOX=O>^(+W6=&\0 MWVB7&HQ+#?"W1768 8!&?NMCC^CDM6494)O)&.5YQD\<&M_4;;4+'XF^.+V MQT7[8'T%?*A>
M%<. HVD='XS\O4]*]@HH ^>-&>]U/Q?X"O&_M">.WD:.X3 M^R1:VUDS(!Y2;5&0#D$DD=.F:[/X2D:=KOBW1KFFPN+>].JW%TCO;E4,)*A#M-\'VUTEE)=
M7$]Y+YUS=7V:XV0D&/*H7+\<8REAE4_O$$>GO0!\VW;3:!\(=?| ">]>&[\ZM%\:8K-\/[-0"6.EH .2?*%K2Z%>S&=K&UO\V ,XROKV]J])CC2&)(HU"(BA54#@ =!0!T6X>Y^"]IX+C\,ZD/$-
U=!X6: MR8*W[W/F[R.,+E#GD?2NZ-[<>#_C%J=[J.GZC=1ZAI<$5M+:VS2^=*@4%>.A M)4]?QZUZ_10!\Z:9HSP_"70&U&RURSN;/5)I%O+&'<]D2WWWCZLI]O3KSS?M M'U_4O
/CR*:%M0M7A3[+J?\ 9GV6>];^+* OCU.3[\|>^44 >.:5I,TGQ(\ M S7%A*T5MX90,[Q';'($88)(P&Y^M0W4<4IA=H7#!7'53CN,BKE 'A^A6*^(M?$&LZF?
[=U6+^Q)+*9CIL=BLZL/]2OWZ7&N:5:ZM;Z5<:A;1:A<+NAMGD D MD'/(7J>A_*GWFJV&GW%K;WEY#!-=OY=NDC@&5O11W/- 'SWJ\5]H]JJMMH*Z
MQ%!SWKW;7%N)O!.I+)#MN7TZ4-%'SAS& MX\(WUQ^SC8VVFZ8XU$%9[F%8<32J)6+ C&2>AQ_LCVJYX8@ M;6O%\^KPW&LW9MM(DMVGFTJ.SBP0<0D#!9@<'@'IZ5[910!\]Z;
<:KHGPZ\! MPR:Q/FL5V(0=I;/7':J\.D:A=>!/B7"++4IIYKJ"Y@-W M:>7-_N_<7VA0 2N20!QFO>M7\0:/H$<4FKZE:V*2DK&UQ($#$=0,TS2O$VA: MYYG]E:Q8WIB&Z06\ZN4'J0#P*
/%M:DN9M4|&>*;,:A8Z1;Z>UH]Q'IOG-:S M#(9C$P/#<#=CM5>Z\-7TOPUGU"SL=5N[8^(5U.>TN;187GB (=DB4_=.0<8' M3I@5[WINJ6.L6*7NFW<-
W:N2%FA<,I(.#@CWJW0!XYIU[%XA^.&BZWIFCWUM MIXTR2%KF>T:$2, WJ.V0,GKC Z5N_%6TN;J]|%FWMY9A%X@MWD,:%MB@\DXZ
M#WKT:B@#YW\417.DZ]XB&CMK5G=W5X9CH]WI0O;;47)!WH<%0">>>1Q]![I: M-=/X5@:]MX[>[-DIFAC^[&^SYE'L#D5J4V6,2Q/&V=KJ5./0T ?,.DW4&I?! M"+PK9^'KV?
6[ZZW6TR6A*2$39T&%!0^F/2O2]!T%S|;=8GU*R^T+%H]O& MEQ+%N1G"QABI(QG@@^_6NZ\)Z#IGACP_#HVD3/+6SN TD@=@Q8LP) '()-;= M '@:2+X8MO'&A:[X*S,RW:R#$>'
XP>?;/]*?;Z5]?@G5O MVL>(M/NKRPLM*>UF,,1G-I,6=ER!GHK*N?| 9/I7O-% '@WBFUNM=|(6.L./ MX4N='T^VU[[7-#';AY9X_P#GY,) S_NG/Y,NN#U7GWR ?:+O5;"PN;2VN[R&">
[FQVSI.^IZ3Y$VG*$XC$Q&22>, X/IW&%;IJ>C3VV MG>&X]6E>/4,KX;UC2A,D7S'YQ-C:HYSN&#R3GN?HB75;"#4[?3);R%+ZX5GA MMVQD$",.P.PC(
M';IGL*U9=/F\'>)O!.M:GI^I76D6FD&S):W\V6UERQ7>BYP<,J\>GM7N%%' ME?PDAE'B/QO=G2KG3K>[OHYH(IX3&=IWGIVZ@D=LXI-?*Z7\?='U&YL+A[2Z MTP6J316Y=1,93C)
XP",GL*]5HH \%LM#F_X5/\ $0/IDOVN?59S&&@.^10R M%2O&2,DD8]ZUM.T5[OXG>"I;W3GE@@|+1AVFA)1),,,'(P&YZ'FO9*IZCJMA MI$,9PH9ST49[G!H |D>>#P7\0_%USXCT"'\O[?
5EC-A/!9^> MKQA2##_L_P (Q_L^F*P(-#UKPOX0\|!:CJ>GWGDZ?J\EU<01QF1[6%V!4%1R. MA/U..M?0+W4$;NCS1JZ)YCJ6&57^\1Z<'FHM.U*RU>QCOM.NHKJUESLFA8,K
M8)!P1[@C* /%)+/4_%GB/XC7&G:??6RZEI,*69N86A,VU5&!NZ;MIP#V(SB MLG4=4AO--^'&FKX;O].N=-U2TMYYKFU\I1(" R*3RVX@L?H,|FO>$/3Z2OA^
M]779H8=,EC,5P\S[%"O|OWNV8Z3IOPTL-2TZ=O'7)PA(YYQT]J['X6OSVWPRT M&&YBDBF2W(9)%*LOS-U!Z5TEIJMA?W5W:VEY#/<6;!+B.-P6B8YP&'8\&KE M'B_AS6IOA1>:]HNLZ-
JEQ;7%_)>V%U9VYE6=7 &TGLWRCCW/MEWBQ?%OBSX: MZ9JFJZ 5DM]6CNY]*@5C)):+D893R6YY'IS@=*]FHH \>L)%\6_%:PU_0=)N M[+3-/TZ6&\N)[4P"9F5@L8'\1!(/X?
2N5_L"Y7]FF*%=*F&H&_| -:,6Y\W/ MFD;L8S]WC/I7T75.PU6PU43FPO(;D6\K03>4X;RY!U4XZ$>E 'DVH7*>$?BC MXDU/7]%O;^QU:RB2REAM3,IVH%:(X^Z21T]@>]0:R\NF7?
PX\1OX7N-)TRR: MY%Q96T1E-H) -N0J@\|MTSU'6O;*KWM]::;9R7=]=0VUM&,O+,X15^I/% '@ M]Q%?:I8_%B\32K^%;]+1K:.:W97D7YN0N,],''49YKTBQU/3O GP_P##\|NE
MSA9HK6VD6U@7>KLGWI,D<9SDGG)]ZWM'\7^'?$$[P:3K5E>3(,F.*4%L>N.N M/>K]_IMIJD<,=Y%YL<,RSJA8A=ZG*D@'#8/.#D9 /84 8WC^>\MO FK36&EQ M:G4W M[I %')
R<\D8->]T4 ?/-OH%P/V=_$$1TJ;[?)]J/F!#;GS6Q-& 0,9^[G\, MUT,LK>%?BC'KFM:5?7=A?:+?6,6LT%%ITYCE 7=&0!D$X/ ?7UKV6JFI:K8:-9 M->:E>0VELI"F69PJ@G@#)H \]^"-
G<67AO6TN-/FL"VLSNEO*A4HI5, >PZ< M<<5RWC:\U.Z\2>+],>TNK#SK41VB:=I"RR:H-AYDGVG"@X],#(SD5[!J/B;0 M](O[:QU#5;2VN[H@0PR2 .^3@8'N>*UJ /#-
&TJ>XUOX3?:+"9X;:QG$_F0G M$3JAV[LC@[@,9]*T=+|)-KFI?%/2)K5X(+^>(VSO&50OAV##L<-M)Q7L59VN M:3_;FD3:>;^^L?-Q_I%C-Y4JX(/#8/7&#[&@#R;X1B^\|7:
[<^(M9AYTG3XM% MA63G+@9E8^_K_OUR$5O<2? C4/#ZZ5?+JMGJ,9N(S:L"P:1B,''S8 .?3/O7 MT#X8\|Z;X2T.+2=+1UMXR6+2-N=V)R68]S6Q0!YIJ>F-;_'3PQ-:631VD>ES M1-
)%%A% #[5) P/85YW::)>S?"_PO9SZ;+[;X3D MMXY@A5&E+* -W3. /PKB=9U!#\|._">A2>&=0L;[3-2@CN9[BU\M%?+ A6/WB MY^;].>U?22%U;0WMI-:W$8D@GC:.1#T96&"/R-
<+8_"/0[.YLC)]>MWEE8SB MXMM/NKS?;Q.#D$+@="3W[GKF@#4^)<$MS|-M?A@B>65[1@J(I9F/'0#K7GOB MWPO=CX0>$6TS3I%-DUGG6(M4TB\N]' ML-
,:"XBCMS(UK*0<.R=>Z_[/KBO>J* /GZ[\.ZQXFT;XAZMH6EW5EI^JFV- MG:/$8GN?*8&1@GOAB/4MBNKT3Q'I^LZEIR:/X%GDNK'39%>ZNK?R!:L$($(R MOS;C\O!'!^M>K44 ?-
'G:EJL'A9Y+>^CEL]:BEN=.MM&^S6NGCS#G#!7FE:6EPMY;) 7>!G9MLACZ\'!S_LCU%3SV5UK:_$7Q'I>DW=I MI%_IJP6\4EN8VNI0!EUCZ]FY[[O7->]44 >+7NC2PZ;\(C;Z=
(CV\UN9]D)! MCRB%R^!QDY)SWKI_C9:W%Y|+M1@M8)9Y6EA(CB0LQ_>+V%>A50N];TNQ@@GN MM0MHH9YA;Q2-* KR9(V]SD'CV- 'EWQ-T"XL&\'ZAI=M+;Z;ID[&Y-E9K,8



/&-2C\/7T]U#H%AY,+:/#%.B6[19/VJ$;2,#+@=3UZ9J_XFTI= M/U348+""UL=)2^L)[I6LS);JOERC<\2E=R[Q%GD8P">!7H>C>&X=(NY+M[^^ MO[IXE@$UY(K,D:DD*-
J@=3DD@D]R:VJ /&)K*XN?#8M]!F:YU2;4KB?3IK.V M-G%'"(@)_*RSXC;+ 'N[@@8&:ZK6KW3;WX>K8:1#*+86MK.UHD3!EL_-42+C M'78LBE>O!KO:*
/++F7PJ^K65[;6,:^&8[QC=S"+_0WG\C$;[?NX7[I;&-Q' M.1Q5TO1;/4K^);C3EETL6.JRZ?#/#\J1-/'Y9"D<#!;;Z*1BO7:* ///!.F0 M:?JNA/;VBP-<>&T>Y94P99-T9RY[MEFY//)KT.BB@
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644 dennisfehr-relocationx10002.jpg M_]C_X 02D9)1@ ! @ 0 ! #_VP!# @&!@<&!0@'!P<)"0@*#!0-# L+ M#!D2$P\4'1H?'AT:'!P@)"XG("
(L(QP<*#7J#A(6&AXB)BI*3E)66EYB9FJ*CI*6FIZBIJK*SM+6VM[BYNL+#Q,7& MQ\C)RM+3U-76U]C9VN'BX^3EYN?HZ>KQ\O/T]?;W^/GZ_\0 'P$ P$! 0$! M 0$! 0 $"
P0%!@<("0H+_\0 M1$ @$"! 0#! <%! 0 0)W $" M Q$$!2$Q!A)!40=A<1,B,H$(%$*1H;'!"2,S4O 58G+1"A8D-.$E\1<8&1HF M)R@I*C4V-S@Y.D-$149'2$*4U155E=865IC9&5F9VAI:G-
T=79W>'EZ@H.$ MA8:'B(F*DI.4E9:7F)F:HJ.DI::GJ*FJLK.TM;:WN+FZPL/$Q<;'R,G*TM/4 MU=;7V-G:XN/DY>;GZ.GJ\O/T]?;W^/GZ_]H # ,! (1 Q$ /P#W^BBB@ HH MHH **** "BBB@
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/4KDD^O7CFI>7^AZA\/H/!]WX0\<26MO$J17!T?]XC+T<< MXSU_D54OKN&YDTN^MM-^(EIK6GVOV0:C'HX+S1=ED4G#?7UYH GU'QOJ6L> M!-"O-1L+1KV/Q)%8R-/:920 $B5%
<94D$<]0<].E7M3\5^-+O5O'<>EZK9V= MIX;43IOM!(\@\MFV9)P =C6$FG^(Y1 UA#;;?)S@!@Y)))SG'0=.>M8^@'Q7!)\1=0\/ZI9V M4-AK%W:UPREB5R3\@P.H&.]OAR598#_8_,
MI&.&Y]NU9-S:63RZR]I8_$JR36;F2:^BATD;)5 MJ:UXE\"1((H+/6[*XFNX0F?WD:M]TGD#(+32/B)/6LO59M)NH]!;2O#OC[2+G0XS%:3VVD;CL(P0P8\D\|^YZYJ MJMOHZZ%XBTMM"^(*
.@UOQ!\0-!\)6>JW- MW%.-0GC>6:RT_P TZ= R9.$R-YR<98XX]Q45G\4KJS^'_B#6?[;T_7I[)XUM M2ELUO*I<[1YT9P >?E)!P1FG:[XCMM8TO3K6'0OB%I]QIQ5K>YM=+(.5 'S
M*3M8<#@C^M9%LNB-8ZY'J_AKQ[JEWK:HMW=2Z.$;Y/N; O"D$]^0* -OPEX M[UV7Q39Z7?:DFLVU_:O(;B/3)+7[',JEMA+ !E(! /7..G? B^(7CY? 6D^,
M&U#3I(IK[[&;$VF/.!9AN9PV7Q)U1H;_9K.\%VLW]C_.S!F;!YQCY] . MB3QMXD\+^)_$.E^(+NUU5++1FU6%X+?R,,"!Y?!/&3C)R>,^U97AGXD^(I]7 MT"2[U"'4[?5Y5CN;*'3)(?
L._P"X5E(PX!(SR?QZU8N]9T>_\5WVNW?A'QO* M;W3#IDUL='.PQD@DYSG-9NA7,.BWVGNUG\2[NPTW/V.QDTS:B] Q4@N!V!X M_#B@"[-XO\=7VG^-
-1LM6L;6V\/:A<)&C68=YT0GY"Z]X MA^(WPZU*WU""TDO].:YB0P;UA8P[I1@GYLC('I4UO]&EV^D>)].7PSX[,?B" MXFGG8Z/S$9.H7GH/>JUY)8W7_",&ST;Q_876@PBV@N8]'&70]%.
[]P.!U'J: M /=J*** "BBB@ HHHH **** "BBB@ HHHH **** "BBB@ HHHH **** "BBB M@ HHHH **** "BBB@ HHHH **** "BBB@ HHHH **** "BBB@ HHHH **** M"BBB@ HHHH ****
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"BBB@ HHHH **** "BBB M@ HHHH **** "BBB@ HHHH **** "BBB@ HHHH **** "BBB@ HHHH **** M"BBB@ HHHH **** "BBB@ HHHH **** "BBB@ HHHH **** "BBB@ HHHH *
M*** "BBB@ HHHH **** "BBB@ HHHH **** "BBB@ HHHH **** "BBB@ HH MHH **** "BBB@ HHHH **** "BBB@ HHHH **** "BBB@ HHHH **** "BBB M@ HHHH **** "BBB@
HHHH **** "BBB@ HHHH **** "BBB@ HHHH **** M"BBB@ HHHH **** "BBB@ HHHH **** "BBB@ HHHH **** "BBB@ HHHH *
MCN)XK6VEN)Y%CAB0O([=%4#))_"I*Q_%G_(FZY_V#[C_-%M0!IVUS#>6L-U M;2++!,BR1R*>&4C((^H-2UY?I%SK5Y)X0T#3]8?3K.;PTEU.\4,;R97RE&TN MI /S=P1C/&<$=1X&U+4;
[3]3MM3NOM=QIVISV0N3&$:54P59@O .&QP.U &[M=ZK86,%U-=7D,4=H@DN"SC]TIZ%O0<'\JM*P=0RG((R#ZUXSXCL[F.3XK2OJ M5Q+&+.+,+)&%.Z'*\A0?E'RCGD=\/>(O#<-
[KDFHVVJQS)<6[V\ M:+$R0F0&+: P'!&&+9^M 'H%%>,V7C7Q/?Z-#XBM?[>N;J9Q*NEQ:.6LVA+? M<64)N+;>=^[&>V*]'\:Z]-X9\&ZGK%O$)9[>(>4C D;V8*N0.< L#0!OT5YG
MH^L^(DU[3;;S_$-_;7F^*]>^T;[.MLVPE9(V" ;@!M;=UJ6Q\5:S>Z=H>B_ M:@OB%]3DLM0E6->([<[I7 Q@;U\O''_+48[4 >CT5XZ?&/B/5+?4M6T^77%G MBN)DL;"VT?SK218V*A9)-
A8EMIR0PVY]JZ&.[\1>)/%VH:=#K-SHUG!IUI<^ M5';Q-*DL@?*DNIX&WD8SP,$[U7Q+=_#C4;K598+N2XO8I&@BCP6CCE4N RG!8)@CH 3@ \UWGC?4-1T M?PZVKZ=
(1]@FCN+J((&\ZW#?O5Y!Q\I+9'/RT ='17G&O>,]4CGUV\TB>)K& MS6UT^WW(&C>[G=)]%L;O7)M7M-6\Z)_M,$2/#*D M9D#)L5?E.T@J9O[VZLH[B7RT^=9)E5QC&!D M$C@?
2NI\97&J67A:]OM'DVWEF!H"IAB 1]\59N)?$/A:]T"XOM?DU6+4KV. MQN[>6WB14>120\1100 1T8MD'UH [2QO[34K;[393I/#O9-Z'(W*Q5A^!!'X
M59KRKP9JM[:#PII\$VRUOM0U<7";0=^R21EY(R,'TQ5KQ)XIUVR7QFMC>HDF MGWNG0V>^)66,2^3O!XY!WMUY&>,4 >EU'!/#X6:2WA62WE1D&4PF-I#]&!QBN?\/W]UI/PT\(VY\27
M%JM['NVP68GNR@08B@18V! /)9@2,]>E 'K]5+C5+&TNUM9J[..=XGG6-CR4 M3&YOH,C\Z\L/C#Q%!X:\31P7URUWIU_90VEQJ-FD26:WB1B5\L*!M48 W-P/7G.!0!W]I=07UG#=
MVLJRV\Z"2*13D.I&01[$5-7F/A;7[C0+#PJFH7(&B7GAQ'CRH_#[G5-0*VM_JTA%W>AKD)L5?)1R6C3 '*E1SDYSF@#:BGAN MYAE20(Y1MC [6'4''0CTJ2O%M/U;5?"_A6\%MJ-
W<7&H^)[BP1_LB2M#^]D+ MRHB*-[L%/RG(SC R*UE\2^(K&S\0HCZU/:0:-/>6U_JFF"!X;A ?D^XJN#D M,,C^$CF@#U.BO,KBY\6V=CX9_P"*F9[K7;V-96-G%MMT:!W94&.<$ @G/*C/
M!(+-_BIKGQ9IX\67"IH2)+;S_983+,7A\P+)\FTJ",?* 3GDT >D?;[3^TO[M.\]/MGD^?Y.?F\O.W=CTSQ5BO+KCQ=J\EO/?1S1PR'P5_:JA8D.RX.3N!()P
M/[IX]JN6M[XCTS4?"5W>ZZ]]%K;^5=6C6\:1QDPM(#&54,,%<0:]XRU6RL+_ %BQ\0W]Y/:W)_R0D2[%8A=V%/H M0>3G/& #U6BO+]&U[Q)%^CEI/$&I)=RB+4([S1O(AA#*?WD;A
5"M@88MD' MUKJ_&VJ7^A:3;:Q:3%;:SNXGOX]@;S+8G:_49!7<&R,?=- '2T5YOK/B[6?M MFKR:7<1I:B^M-%LF>-61;AV'FS'N=H<*!G&5-3ZA?Z[X3UB"PFUN;5(-1L+N
M2*2YAB62WFAC#Y&QO"I!Z$'! YH]!HK@Y/$6J+X1\"WPNO]U2YL8[Q_+7] MZLD99QC&!D^F,=JD\(3:_K.M:O?WNN.;&RU2[LH;!+>,*R(Q"EFQNR,C&#_# MSG)H [BBN
\9>)+^#Q;9>'[2;4[: V37EQ/IEC]IG;Y]BJ 58*,Y)8@]AQFL MI_$WBLZ%:V_FW5I=OKT.GPWU[I_E//;R G>T; #<#D'& 2HZ9H]4HKS>WA\ M4W'B77/#X\772P6%O#=177V6 SEI V$;Y-
NP%">%!YQGBJ^DZ]XC\4S^%+>/ M5SI\>H:+)>7KP0QEV=7C7*;E(4DMZ$8)XS@@]'N[^TL/(^U3I#]HF6"+>< MY&Z*/-H#% S+ME)7>6;8>CQS/IE MW>WNIN3IUUHL>KZ?$5
*%5 DA! RQRT9&;@JN5(&['0\+ZG- 'I-%>26^N>*T\(6_B>X\0&1[;4ELGM%M8 MUBN(Q=*D?F.$3>P&YCT]3[5Y[!]?B;Q'XGLM..H7&@ MQ2Z##?7,$=NAFCG,C*R@R*
<#CG(/W1TR36'>W.L:_IGA,W>L31WEMXEFL'N(M(8AYC1^X4(&\RW# MCS5Y!Q\A)R.>*Y"Z^(6H6'B+Q'--(CZ.EK.NEH$'SW%N(PXR!D[GDP,G^&@# MT=M4L4N[BU>
[A6>VB$\R,V/+C.<,?0?*>?:E74K)[];%+F-KIX/M"Q!LDQYQ MN'MD@5Y9XEN-;DT3Q7I.HZDQFM?#$$\TB0Q R2D2^8"=OW6VXP.@Z8/-6-68-+ MU2?QYH]G!KUS!
(/#>Z:\$,1F9?.4A0"NP=0,[>B^IS0!ZI63K7B?1/#HC_M; M4[>T:7_5I(WSOZX4Y9EN(8TDBEAB,N4,:CY6"D8(...: /0* M*\MEOO%=KX:\/^(V\2M(VJ7=E]IL_LT7E)%/(ORQ';N!
;&23D9/!Q3KB_| M%-]IWC+5H/$M%>6US:B!M0MRP5756&4?!4@ @$@CTH]-HKG?!5YJ.J^'8=7U*[BF?4#]I MBBA"[+:)ONQA@,L0.I/?
-8D8\2:]XI\46MOXDETZUTV>*.SCAMXF.]H$<[RR MDE,GIP>3SP* .]JO:7]I?&X%K.DIMYF@FVG.R08)4^XR/SKS33_$?B/QC>>' M;>RU;^R$OM'DO+IH;=)#YB2JF4W@X!)]^/?
FI%\2:W+-<:1:WJ0W5YXEFT^. M[,"$P0I$)"0,89^" 6!Z^U 'I]%>7^(->\$QK^F?VQ)?/'HKZG97D\,8EA M97",K!5"L.002OJ.:[CPY9ZI:Z>7U;5WU&XG(ER84C6+(&44*/NYSC.30!J1
M3PS-*L4J2-$^R0*P)1L X/H<$''N*DKQ^QO=6\P^*I+/5));N\3IIT)N(H MS'')*(1YQ"J"2 <8SCY1QUSU=O<:QX=\9Z3I%YK,VKV>K0SX:YBC22"6)0V0 M8U4%2"1@C@XYH
ZZ\O+73[26[O;B*WMHANDEE<*JCU)/2LG1_&?AO7[LVNEZ MQ:W-P%W")6PS#U ."1[BL/QK&E[XS\%Z9>J'TV>ZN)98W^Y)+'%F(-Z\ECCU
M%)\5H8H?""ZG$BKJ=A=V\EA(H^<2&55VCV()!'<4 =U48GA-P;<2H9U4.8]P MW!2< XZXR#S[5PT>21Q0!ZU5
M:RO[3486FLYTFC61XF9#D!U)5A]0017#S7'B+PR_A_4+W7WU./4;V&SO+62W MB1$,O :(JH8;3C@ELC/>L#2DU_3/!.O^(;#76A2PO]0N8K#R(VBE1)G+K(2- M^6PP!##'%
'L%%>5WWC#4]8\27]I:W.N6%G90P&/^R]+%TSR21B3,A*, & M"C&>3FI%USQ;KN!0!Z=)(D M4;22.J1H"S,QP% ZDFLO2/$^AZ]++%I6JVEY)$-SI#*&('3./3WZ5+J&G6E[
MH$NG:Q)]HM9(1%EM9,6 M+,0&VS9 VC8GRJH(!SS0!W$E_:17\-@]Q&MW.C21PEOF95QN('H,C\ZLUYXV MA6NE?[N.6XGNKVSOGFFN)2[$!HM]#LJKN(KT.@#,UCQ%H^@)&^K:E;6
M8E)$8E< OCK@=3BG/KVD1Z,-9;4[0:85W"[\T>61G'WNG7CZUE^(;K0_#NH+ MXAO(I)=5EA^PVL,67EG^;<(XT]23R?3J<"N,MM$N]-U#P?9ZM%%%_:&N7>I3 MVD9S'!
(89'CC'8[3^&: M@TGQ5H&O7$D&E:O:7T^(0Z!H$4ZK?;<"[9DVE8QWC4 G=T M) QTS0!U$/BSP_<:PVD0ZQ9/J 8I]G68%MPZJ/4CN.HK8KPZSBU.U\$>'+F[MM;>/PI;:I#>QW2G-
Z(FES$[K]T9+KN*L3@].M>XT %%T^Y?1I]0$]S9>(;*R>\|E%-Q;S M@-AEQ@-@D$J!V(Q74KJMX?B9)I'G?Z"NCK="+:/]89F7=G&>@ QG% '245Q? MB?
Q/=>%_$32W,V[2IM(N)H8BHXN8?F(SC/S(W3/\/%8WAWQ1XBO5T/0KZZ'] MN)J4\>IRB)!N@A7S#\N,#<)(5R .IH [RWU_2;LV@M[^"3[8)#;[6_UOEG#X M^G>K-C?6NIV,-
[93I/;3+OCE0Y5AZBO+M"U&ZU74? 5[>.KSR1ZN&945 <,% M'"@#H!VKJ_A=_P DP\/?]>:_UH Z6QO[34K47-E.D\!9D#HN6-K8,D-NNFZ2+H/(8UJ45C^%M1U#5?#&
MGWNJV3V5_+%^_@="A5P2#\IY .,@'L16Q0 4444 %%%% !1110 4444 %%%% M !1110 4444 %%%% !1110 4444 %%%% !5;4+*+4M,N MK"8NL5S"\+E#A@K
@XSWYJS534]2M='TNYU&]D,=K;1M+*X4MM4#).!R: ,[M3_"MAIM_IMY#+<-)I^F_V9$'8$&+*'+8'+?(.1@=>*M:1HEMHIU VSRM]NO) M+R7S"#AW R!@#CY1Z_6LI?'_(??
3FOEGN3"9Q;P_P"B2[KER,@1+MS(".+QIH4FDWFHO=20163!+J.>!XYHF.-JF,C=DY&..<\9H K:IX$L-5OM8 MN)+Z_A36+46UY!%(@1\+M5QE20P''7'M6K=Z#:WFI:1?2/,)=*9V@"L-
K;XR MAW<<\'MCFJ$/CG0Y+749Y9+JU.G0?:+F&[M)894BY^<(R@D<'D9I^F>-=$U; M4(;*VFN%DN$9[5I[:2)+E5Y)B9E ? YX[<]* ,X?#G3U06:ZIJBZ*)O/_LD2 MK]GSNW;
<[=^S=SMW8KIM3TVTUC2[G3;^$36MS&8Y4/&5/OV^M89^('AT7OD? M:9_*_[-]L^RR?9O-SC9YVW9G/'7&:74O'N@Z7?WEC-+=RW-E@W4=M9RS&%2 MH;>VU2 N".?
KZ&@!-.\%Q6>I6=[=ZSJNIM8JRV<=[*A6'(VD_*JEFQQELGFK M=KX3TRS\77OB:)9?M]W"(9 6&P ;$(I(7DE %.Z^'MEQ0ZMJMIIM_*TUWIUO,JPR,QR^"5+J&[A6 .36W9:!9Z?
MK=YJMN9!+=00V[1Y&Q4BW;=HQD??.>3VKD_!GQ*L=5T#2&U6>5;V[Q$]QDD M6W,Y)Q&)-NS=TXSUXZUHV'B]+9_$]QK5U'%9Z;J8M82$)8J8XR% &2S%G. ! MDT 2?\
(#I\>F:19VU]J%L^E7$EQ;7$4B>8#(6+J"55/1MK@$ MJ<=1Q7.^-/$U_9^)]"\/Z=Y(50-JKQM/)^8_PC!. :)_# M/@2ULOAM!X9U:+S#/"OO,.<^:QW9#>]G ! V15_3?!\-
GJT&IWVJZEJUU;1M M%:M?.A$"MPVT(J@L0,%CDXIC_$#P['>- US/Y23_&9[P6LAMEESC89MNP'/ M'7&:L3>,]%A\1G0/.GDU)9$C>**VD<1[P"I9@,*IW#DG'Y&@#(B^&6G10VMH
M=6U=].LKE+JSLC,GEP,K[P!\FYAU&&)P"<<\UVI 8$$ @\$&N7\8^+CX7N-$ MC6VFF%_>B"0QVTDI6/:Q.W8#E\@8'4C) .#C)L_B/:65]XA@UJ2X*Z?J+Q!K M>RDD6"
(A#2,BD*,EN3Z>U &WHO@;1-#\.WNA00R36%ZSF=)VW%@P"[<@#@* M H] !45AX&MK2^L;B[U?5-333CFR@O)49(#C:&^5078 D L21FKNJ>+=)TJ2
MVA>2>YN+F/SHH+*W>XD:/^_M0$A>>IXK0TO5;+6M.BO].N%GMI<[7 (Y!P00 M>00000>0: .??P!IXTVQMK6_U"TGL+J:ZMKR%T\V-I68N.5*E3O(P1TQ34^'
M>EBQU*VEO=1G;4KB"YN9I9E:1I(F5E(.W !*C(QC' QQ5R/QOH4NN3:/'^-J\ X)/.*33?'.A:K>V]K;S7*FZS]EEGM)8HKG R?+= ME"MP,\'D=* -"XT.UN?
$%MK,C2_:+>VEME0$;"DA4MD8SGY!W]:YVV^&]I86 MNG1V6MZO!-IK2"RN \3/#$X4-%AD*LGR@C()![U8A\::7IU@9M4U;S_-U&XM M(&BLW!WHS?N@H!+, NW/\1Z=:8WQ,\-+!-
(9+_=;L1=0_P!GS&2U Y+2KMRB MX/4]><=#0 J?#K2Q;:G%)?:E,VI3V]Q^.XM/\QZ4]M>B5-5=TM"J-\[(I9@>/E("MD' M'(QUH Y3Q3X574=*\/\ @JUTV]FL;5H&?4790D4$8*.I8$$NR97
7'SY[5Z& MJA5"J !@ =JQ;_Q=HFEC4S>7GE#3/)^UDQMB/S3A.<ZAY-Y>_VA&HE4 M&SN-Q8R0D+E223U)%/3P+:R1:G_:.J:EJ-SJ%FUC)C ,,[ASC&.: +5QX;L[D:*'DG']CRK+;X8?,1&T8
MW<&K(7>N7/F3[]91$N!N&%"Q^6-G'''KGFLI?B/X>:5X VH?:@H M>.U_LZ<33H--FYEX/(&!WJZWC;01H5IK"W;R6UX_E6Z1PN\LLF2"BQ@;B MP(.1CC!H K'P%I1M6M_/O-AT3^Q,
[USY&,;ON_?YZ]/:M&?PW9W']B;Y)Q_8 M\@DM\,/F(C,?S<<\,>F.:K+XWT'^Q;S59;M[>WLI%BNUN('CD@9B Z, PSN M'.,8YIEEXYT6_GN+>WRW-N;H0RV,R/-
$/XXU*@N.GWQK7N_!UA>ZW=ZE-/=,M]:"SO;3>X9;5PEU<16DLD%LQ[22*I53R,Y/'?% $>G^!H+.\L)KG6=6U" M'3CFRMKN5#'"<;0?E4%R 2 6)Q5_Q9.\7AR[B32+G53I'S% MB,+V)
[9Z5SVH>*;VZ^)ECX>L+N>VLTMEN9G33GE%P2XPN\C:L>W^,<9.,YXK MJ-:\0:?H,;65@,D*B DX')XP*,71O MG!\.[3PQJ.Z0B M,//+&Y#_&@MO,BMUR'Y!]A5FP\&VT&H-?ZCJ-

```
_K%UY#6T;WS)B*)OO!515& M3@9;&3CK6=K?CF&3PG=ZCHG\ZI:MXRT?1 MK][&=[J:YBC$LT=I:27!@0]&?8IVCCO46H^._#VF06$TMZTRZA$TUF+:%YC. MJ[<[0H.3\PX^OH:
+&M^&(-8OK748KV\T[4K56CCN[-E#[&QE&#*RLN0#@C@ MCBJD'@;38K.VA>YO9I8M234WN990TD\Z]"YQC&,#"@<#C%;=SJEE9:2^J724%=JXSR#R#
[=:R]+\9:3JVIIIT0O;>ZEC,L,=Y92V_G(,99-ZC=C M(]Z +L&A6L&NZAJZ/*;B_AB@E4D;0L>[;M&,Y^/:K94JV5W<%<<>N*[+7?$FE^&X;>75+AH5N9?)AVQ, MY=]I8* H)R0IQZG
ZF]]GXPT6\LK^Z-R]JNG#-Y'>0O!) ",@LK@'!'0]^U M%:#P-I<-G:P>?>220:BNJ/<22 R7%P/XI#C!&., #@#&*K77P]L;AKR!-4U2 MVTN^E::ZTV"51#*S'+\E2ZACG(5@#DUH:3XRT?
6;]+&!KJ&YDC,L,=W:26YF MC'5DWJ-PY[5S>L_%G28_#=SJ.A"YO73R@CFQG,)W.%.6"XR 3QGK@=3B@"QX MHT"_(23Q+X?TM='GCL=*N%NI;TA5A,87B%0#ELL$R,
+74G1+8^)1KV^7[ M6+,V>W(V;-^_.,9SD>OX5F0>)K,:EJDUSJ8ALK6R@NG@N+5H7ME;?\SEL$YV M_=QD;?>I=*\9Z/J]\ME"]U!7\UIJ^JZ;%J)W7MO9RH( MYFQ@M\RDHQ
)4C.*2R^)'AK4););>ZN6AO76*"Z:SE6!I&Z1^85V[NV,]>. MM=)?W]II=A/?7TZ6]K A>65S@*!0!G6/AG3]-UB/4;42QO%IZ:9
&3V.10!UUW9PWVGSV5R/,AGB:*0'^)6&#^AKEU^&N@C1M#TM MFNWAT:Z^U0NTBEY7W%B)#M^8%CD@8Z"L/5OB1=+I?B^2UA>WET>YBC@DEM)%
M4H3$&+%AC=EVP..,'&.:ZW2?&6C:SJ1T^VDN8[DQ&>-;FUD@\Z,'&]"ZC,[5'(P #Z#UYJ*U\>^'[R^AMH;B?9/+Y$%TUK(MO-) MTV)*5V,<@XP>>V:U]7U>QT'2YM2U*
<06D.WS)""=N6"CI[D4 1Z/HEMHB7JV MSRL+R\EO)/,(.'D.6 P!QZ?SK-U?P=;ZCJYU>SU+4-)U%XQ%+/8R*/.4?=#J MRLK8R<'&1ZTT>/=".GPW@>]/VB9H;> 64OG3L &)2/;N9<$'/?
*JNC(P!5L'N.X- %J#P#HT>BZCIMP;J\;4F#WE MW#HK6_74KS4K_6;V"!X;4Z@Z%8E888 (BC+ M8 +$$D4NH^/-!TN]N+6>:Y?[(0+N:"TEEBMB1D>8ZJ57CU/'>K.J>+M(TF6W
M@DDGN;BXB\Z*"QMWN':/^_A <+[GB@#S>#POJ&H/H>FQ:5XALDLM0AN9+>]N MD>RLTC??;U9[:*SMI)I9%4X8[%4L,'@Y P>.M96M_$:RM="L-
M3TI)KI+C4XK&53:2EXOW@6160#NM0U9%L[$P%HY+9HVM@\:L%)/+LQ(( &1G&,U-I_C M/1]1>YB5[JVN+: W,D%Y:R02>4/XU5U!9?<9H MZ)X?M/#ZWD5C),+:XN&N! M;NP,<#-
RPC&,A2 M5MI#!AN&#UYK9T_X@^'=3O+.WMKBXVWQVVMQ):2I#,V,[%D90I; /&>V.M;N MIZG9:-ITVH:A<);VL*[I)&Z#L.G))) '))H S['PKIFFZG8WUFDD)L; Z?! M"K#RQ$65N>,ELH.
<^M4[CP+I=Q:7D)FO(Y+C4CJB7$<@62WN" -T9QP,#&"# MU.I;;Q;HEZVE+:W MHG;5(VEM1&C,611EF;CY0.AW8YXZ\4 9C> +"YL]5CU'4=1O[K4[;[)/>SNG
MFK%R0B!5"J,DGA>3US75QH(XU09PH &?:N6L?B-X:U%[4V]U<&WNI!#%=-:2 MK TAZ1^85VANV,]>.O%6=4\;Z'I-]/9W$MS));*&NFM[269+8$9!D9%(3CGG MMS0!7N/
6F74NL^;6V$H"13C;B6,@;E?Y%[D<=*LZ5X2BL-775; MS5-0U6^CB,$$MZR?N4.-P5451DX&6()..M+J7C70],NH+62>:>YN8!1YGD7.Y!&!NR-ISD<8 MH
OZ[H%AXCTX6=^C[5=98I8G*20R+]UT8/W9C(W;N1@ M8R>:S:QA\^YBOK=[>2.+GY]K@$KP>1F@"KJ7@>VOKZ^N+? M5=3TY-1 %]!9R(J7&%VY.Y25)4 $J02!3Y/
NDMJ2W,;7$5O_9XTV:Q1AY$\ M #!58$$\;S@@CM5C2/&&DZS?BQ@^UPW31&:*.[M)8#+&" 73>HW#D=/6IM<\
M3Z5X=>T349I$DNV9+>..%Y&E8#.U0H))Y&!0!F6'@2UM;NPENM6U348-.;?8 MVMW*C1P,!@-\J@N0"0"Q.*J_\*UT\17-K_:VK_V9=W+W-U8&9/*G=G+$$[-P M7G!"D
@IRW5E"]W9WL5LUP([VREA;RQQYBJZC< <=* $U'P=#=ZK+J=AJNHZ1=7$ M2PW+6+(!,J\+N5U8!@#@,,$"I+'P=I>G7&BRVIG3^R(9H8%,FX,)=N]G)&22
M5SG(Y)JK#XSTVST71GNKR;4+N_M5GC^Q64CR3KM!:01*"57GOTSBG>!_$4GB M;3]3O6E26&/4[B"V=4VYA4C9D=Q[@UC:;X-
AL]5M=1OM7U/5KBS1DM/MTB$0!A@D!%7+$<;FR<5D0_$*WL/$7 MB2PU9KAH]/N4$?V:RDE\F$Q(Q>0HIP-Q;D^A]*ZJTU_3+_4OL%M=+)<&U2\4 M*#M>%R0KJW1AD=J "XT2VN?
$%CK+O*+FRAEAC4$;"LFW=D8SGY!CGUIEC8WL M&OZM>37<"QI>JV>LVKW-C*984FDAW[ M2 61BK8SU&01D<<5R5EJ'B3QC<7]UI&JP:/I-K/[)+&JHI.3@,C8)[G/85+-X-@NM
M%CT^[U?5;F:&Y%U;W\LR?:() , J0H&,9&"#G<'IKKQBL-I-;W M!MUE@!9;L9PCQH"6RV?N=<@]JLV'C'1;^*];SY;1[&/S;J*]@>WDB3!.\JX! MVX!YZ4 4)? %EWYD03NJ]$&%VJN,C
7HQ]:ET?P9_8] MQ;L/$6N75M"AC%GPI;#Q]H&HZC9V$?IZBHH_B3X9EDB"75R87F^SFZ^QR^0DI;:$:3;M4Y]3W% M $4'PZL(4M[-M4U2;1[:59H=*DE0P(5;
<"GJOC71='OY;*XDNI9K=!)0TA12$&.>>W/2K8\2Z0VH6=D+Q/,O;8W5LV#YE '. M^/-&?Q7?Z1H)TJY>W2Z2[N+_ .588X@&#QYSN+,/EVXQAL]JW-;\,0:Q>6E_
M%>7>G:C:*R0W=FRAPC8W(P965E. <$=1Q5[2-7LM=TV/4-/D:6UD)$,]+TVRFGU75Q,KZI/90M':."'0MB': 2S *1D?>/3J* %; MP!I3Z'/ISW%\T\]TM[)J!E'VDW"D%9-V, C & .U6=&\(0:3K%-
-L_% MU_XFB$O]H7L*PR L-@"X&0,9!.U<\_PBMRB@#FM.\$:9IATJ76H6.KZGI, MUZJK=BQD0+/M& Q#JVUL<;EP<5TU% %32],M=&TNVTVRC,=M;1B.-223@>I/ M4^]6Z** "BBB@
HHHH **** "BBB@ HHHH **** "BBB@ HHHH **** "BBB M@ HHHH **** "BBB@ HHHH *YWQ[:7%]X!UZTM(9)[B:QE2.*-=S.Q4X 'F^ M([YM!\0ZE!<"VB_XF%SY-
U<+&VXO&FQ64QYRN>6QCBO6** /&-1_M=?#/BU% MFUNYT$:'+MEURU\JX2?GY%8JKNNW))((!Q@UT)GN_%E[X5M[71M1T]=-F%W= M3W%N8DB
A9!'&QXDR7'*Y&!7=ZIIMKK&EW6FWJ%[6ZB:*50Q4E2,$9'(JQ%& ML,21(,(BA5'L* /(_L^J#X7GP!_PC^H'5_+-EYOV<_92-^?/\[[N,?-C.[/& M*ZS1=,NK?
Q)XUEEMY=ETUN(970_O@MLJG![\Y'UKLZK:CJ%KI.G7&H7TPAM; M=#)+(02%4=3@36^DS66A>%C?:;XCT^[@TA(?[1T<.\T;@Y,$L(5OEZ$$
M@C.1Q6QHUIXBN=3\$W>L6DQEMSJ'G2& (5C9<1&15^5&88R/7WKTE6#HKJGPZI?_MTSP5_PCNJ6NIL84>26U*00HLPD,IDZ9P,[?O;NU3Z MWX;U>Y.L7<5I?A;?Q1%J
6VPLTT(MT0M%GAF!)(]=I'6O7:* //O"5AY_C&; M55@\1O%%8FW%YK+>46+.&*+$45B!MSN/&> #UK8URRNI_' A6ZB@E>WMX[T3 M2JI*QED0+D]LX./I74T4 >0K!JD'PQG\
GP_J,FK%)+-9A;G[*X9R1/YWW0, M'=@G=GC%=?X7TRZL?&7BJ>>&01S?8EBG=2!,$@"D@]\'/XUU]9T6O:7,LC+> MQ 1W?V%MYV_O\@>6,XR.TB,D@C\N120 MHY/+#I6?
9:5>KX>^(*-93++?7EV]NIC(:96MT52H[Y((KM;34[.^N;RVMIQ) M-9R"*X4 C8Y4,!SUX8'CUJW0!Y!_8FH:5JVFZE>+XBAM9]#M+4OI$9>2&6,' M='(@5FP=V00.NSOK5KN\FNC'?
3"28[C]Y\* I;&XKS@GK6 MPVO:4J6;_;HF2\N#:V[(=PDE&[*@C(R-C?E6C0!Y];>'=0O?#OQ T]87MKC5 M+^Z%L\BE1(K0HJMG^Z3D9^M8>E:9-?7'AVSELO%SSV5S#-/%?L(K6T,0^\'\
MO$@SP%4\@]17KM9NMZ_IGARSCN]5NOL\,DHA1MC.6<@D !03V- 'GVFZ'J27 MVAM+IUP%B\4:AHR?85T5 'ENCR7OAO MQ#IM[>:#JDUM_P (Q96CRVUHTK13*SDQE5&[ZX''&
<9J"#2]6TE-%\0SZ1>- M&->O-0GLK>/S9[>&='5?D7J1D$@9(R:]9HH \@UBQU77K;QO=)H>H11:A)IG MV6*> AYDCD&\[>HQ@D@\@=<5TGCJS236-.NI++78O+AD1-5T-
F>:%B5/EO$J MGYM-.UZ9[R2QBC? M4SF:Z6.96)\G8&4*">3R1G@8KM]4L;J7XDZ!>1V\C6T5A>1RS!3M1F,6T$]L MX./H:Z2UO+:]B:6UGCFC5VC+1L&
920PR.X((/N*J:SKVE^'K6*YU:\CM(99 M5A1WS@N6-W9W5@IMY4N82F6!SE2?O+SU'%8$, ME_H&@>(O#DOA_4[V]N[F[>UE@MB\-RL[,5+R?=3&[#;B,8[UZ?10!P?AS0K_ M $CQ?
I:7$3O%:>&(;*2Y )0RK(,J&]<#/TJ?QS+JL>I:+]F&H1::3-]KN],L MQ<7,1VC8JC:Q56^;)"GH.E=K10!XO_8FKS:;XMVZ=K+_ &O4=,FMFOE+S31I M)'N8X] I)'\(QD"N_P#"UE=6OB+Q;-
/;R11W.HI)"[J0)%\B,97U&01^%=31 M0!P45U<^$_%OB2>ZT?4[V#5)8KFUGL;5I]VV)4,3;?N$%>"<#!ZUF>%?#6J: M7JO@W[;8NAM[34I)MHW);--*CI&6' ."1^!Q7J%%
&!XV;5$\'ZBVC6PN;\( MOEQF(2$C<-Q"'AF"Y(!ZD"N*TRTOKGXA>'-0C7Q->6D*7*SW>K0>4J,T? 6/ M8NT<J5##>6UQ-/##/'));L$F5&!,;$ @-Z'!!Q[B@#B_B+=FQO_ M
A="SEO/+U@,885W.P\B7)4=R.N.^*P=?T;5?&$OB#5[#2[J"$V5I;V]O>1 MF![QH9S,V4;!4$?(-P&<^E>E7^DV>I7%C/=1EI+&?[1_0Q&U]K+GCKPQZU8G MN[:U>%)YXXFGD\J)78
R/@G:/4X!/X&@#B);JY\6>+O#=Q:Z/J=E;Z7++6US)/'!/'*]N_ES*C F-\ [3Z'!!Q[BIJ /*=?T;5/$=SXHNK+ M3;I5N[#39;>*YB,1F,4KR-$=W1L @],C-:]Q:QX/NK:PA$ M]PDL-PL!
('G".57*9/'(4CZXKIJ* .#>YN?%?C/PY=VND:E9VVE-//6\EO<(\Y:.52K#,SD9!]00?QK>L M=3L]2^T_8YQ+]FG:VFP"-DB_>7GTR*MT >2^(-.U*6U\?:4FD7\LE]=V]W;2 M);LT4T8\A2
PX+#:V5ZX!-=-XKTB]U/QAH9MHY%B_L_48)+A5.V)I$B"9/;) M!Q]#7:44 >*Z9H=W)HNC>'[NR\727EO)!'/;2.([*+RV!,BS>65*C;N !+'@ M5Z!\2+"XU/P%]-G:6TES-(8<11KN+ 3(3Q]
31<_$?PI9WMQ9S:H1/;2M#*J MVTS;74X(R$(K>TK5;/6M/CO]/E,MM)D(Y1DS@D'A@#U![4 <3XYTF\_X2W1M M<3^US8PVTUK,VD#=/"S%65MN"64[2#@9Z5BKH5Y/I\M[;:;K1-
UK^GS%]1;= M/+'$Z@RM&%!C ''/.%!.*]1O=3L].>T2[G$37RGKZ4[4=0 MM=)TZ>_OIA#:VZ&260@G:HZG YH \]MY[[PU9^)M>#4[ZXOKVZN+22VMC) M#0?
*A&=IW8X'&:CT/3]0\!ZG9S:CI]]?P2:':V1FL8&N&AFAW;D*KE MMIW#!QCCG%>AVVJV5WJ%S8P3A[FV2-YHP"-BN"4/3'.T_E2SZE9VVHVFGS3! M;J[#M!'@_.$ +<]!C(ZT >AZ9-
;3.W]BV2SW D,N520A M&,8*X8X'WB01 MVKU^TO+:_MEN;2>.>!B0LD;!E;!(.".O(-5-5U[2]#:S74KV.V-Y.MO;A\_/ M(>@XZ?4\4
>=:KHVJWVI:_JMMI=U(B:MIFI16[Q[&N8XHDWJH;'S#GCU7'6K M^I_;/%OB&'4++2-1M;73M+O8WDO+9H'GDF10L:HV&.-I.<8Z8KT>JVHZA:Z5 MIUQJ%],(;6W0R2R$$A5'4X'-
'!OI%^/_P]M5L9O/LKK3GN8Q&=T(6,ARP[ M8/6M?XD:/>ZSX7C6P2>2:UO8+MHK=@LDB1N"P0GC=CD9[@5+:?$;PK?7<%M; M:F[S3NL<:_9)@&9C@9Z/%GQ,NM+9^+;N/3K*8^?
J:E&W-C]U'$ M8PTA.W.>@P.N:A\&Z)JWAOQ*=5O=) B\0J[2);QECI;[F=8CZ(P;DC #CTKU M*LZ37M*CCMW:^B9+FZ^QQ,AW!ILD;,C/.58>V* /)=#N+KQ!\(M*\+66B:@E
MW.8E^TFW(MHT68.9O-^[T!./O;NU7;G2;W1M8\2QW2>*W%_>R7=J-(7?!<*Z M@!&.P[&!&T[B!@"O4=(TFST+2;?3+",QVMNNV-2Q8@9SU//>KM 'G_AG0+G2
MO%^D;K">"VMO#0MW$=WI MC,EU:JY.V6-%!+JV<'&>#G!KUFFR2+%&TCG"("S'T H \?N])\3ZOX<:23^U M[FUT_6H+RU>6!+?4)X%3#G;@992V5W $[?
I5R#23J=YJM['H_B+5HUTF6U'] MMS?9C<%R"844QAOX<[^@.,>H].L+^VU33[>_LY1+;7$8DBD (W*1D'!YJQ0! MYIX2758O%%C%I[^(I-
%$$GVN/7K;:;9L#8L4C*&;G@@%A@=>E7_'%]_9OC/P M9=?8I[P)-=YCMX]\@'DX+*O4X'.!SC..:ZR]US3-/@OIKJ]B1+",276#N,*D M9!8#)&0,TMQI=EJ&H:=JEZ5= MP)?26,,44UH&N?
*B)\R=87_B&[Y0PS\N<=*BL]/O[CQHE[%%XDN[,Z/=P?:] M5B*$RML(4)M78..ZC)Z9Q7K5% 'E?AZWU#PK/X>U6^TC49[=_#EOI\JVULTL MMM,AW$-&HW -
NQG'!7FNE^'D%W'INL37FG3Z>UUJ]S/8&O7ZRKWP[8:CK5GJMUY\DU MGS#$9F\E6YP_EYVEAN."1G\A0_P_H\6@>'[#28#E+2%8]W]\@EQ*#.MKL9 6&< M-*-V[:/IUK.\3:7J'C>
[UC4+&PN;"V31391OJ$1MFN93,DNW:^"%PFW) Y>O M6:KW]A:ZII]Q8WL*S6MQ&8Y8VZ,I&"* /.[_ %V76?'/@A#H6H6'EW5PSM>1 M"/:WV:3*+S\P[DCC@I#X'3:8-.N/M[7+O]G\H^8?\
32^=O7[O/TKL M]*\&Z5I.H1WZ/>W5S#&8H'O;N2?R$/4)O)VYP!GKCO704 >37FF7FB^)_$M44 8_A:[GO/#MH;K3'TRYA7R);0IM6-D M^7Y.Q3C*D<8Q7"6>AZD+W2VDTZX"Q^+
[V[8F(X6)A-MD/^R25P?<5Z1INIV> MKV*WMA.)K=F= X!&2K%6'/H01^%6Z .6TFRN8?B1XDO'MY$MI[2R6*4J0KLO MF[@#W(R,_45U-(2%4DD
#DD]JBM;JWOK6*ZM9DFMY5#1RQMN5P>A!'44 344 M50NM9T^RO/LESVL@DM[B-98 MG (W*PR#S[&IZ "BBB@ HHHH **** "BBB@ HHHH **** "BBB@ HHHH *** M* "BBB@
HHHH **** "BBB@ HHHH **** "BBB@ K+\27W]F>&]1O?MT5@88 M&874T9=8CCABH^]SV[UJ52UC2;/7=(N=+U"+S;2Y39(H)!QZ@CH0<'\* /-]
M)UG4K/QKX=MDNO$LUGJ/GQW)UB&.-)2D+2!HUP&4Y7I@#!J]X=_MK7/#FG^+ MI/%$UI/7"W.HV:WV/ML%G=&*.YXQ ME@.Y'!*X)'6@#D=+U;6_&^L:'%_;%WI-O"P.%.<_0 50
MUU=6\2_"_P 1^(YM=NX=PNDCL%">0D,;LFQEVY+$*3NSG)';BO3[7P[IME]L M.H6L)BD@L181(APBPAMP 'U%8NI?#C1=3%_%)/J,5E?NTMQ90712!Y#U?;V. M>?0D9(H
Q]:U"6YUUM/AU77I/L]I"19:%;J&A=@3NEE8; M/2@#BYM=US21J_AZ+5III4UNSTZUU"Y57EACN$1R3P Q7+ $CN*O^)KG5_F MA:M=VNOS:CNMXA;V]]LDGBE:58S(" N4^<<$8R!R
<5U%WX.T>__+7^TQ2/ M_:LD4TY\P@]\:]J,A'*D;5.1W%5X? FD".^6_:[U62]@%M-+?SF1_*!R$4C& MT9YXP<\YR* .=T&]UZU\5:;;K'XDGT^Z61+UM9BB 1@NY7C*'(Y&"O3!'I6_
MXHU6XT+7= OGN6CTF666TO$.-H+(6C?\&0K_,#J;2_!EAINIP:C)>:CJ%S; M1M':M?W)E^SJPPVP<9Z-XM\17VG_P!D75XZ:OJFI6LUJX #0V)]G\;?
9(C$RC9'N&W&5/*\X^ISFO1_^$4TG_A);37Q;D7UI:?9(2&^58^> MWJ,D9]":JW?@?22;O3[FS+740GU ZGYL,Q62.XR#N1NW2@#C;?2=0NM;\>W-M
MK^H6'V6Y5HEMM@W2"VC.YR5.X<#Y>!U]>.\|-WT^N^"]*OKB0QW%[812R/%@ M%7= 25[#DY%/L_#EC9#5/+,S-J;!KEG?)8^6(\CT^51^-7-+TZWT?2;/3;4, M+>TA2"+
<F*VOSJ%O"\Y9(9"'!"@]%/F,<>M7KOPMI5_>:G<7&&LHXI+H>(+7RDF0[&Q^\3.,^HY/% 'G] M_<:[KOCC0M!\2P:=I26]RFIVLEM(\QO'BR?+1R%"XSE@1DCIQ5*X\0:_K-[X
M@N;9O$DS6E@FG00M;)Y7 ,N\Y*])USP]8^((;5+P2+):7"7- MO-"VUXI%Z$']".]9>H> M*U"[O9A=:E:1WYS>VUI=&.*Y.,$LHZ$@8)7&>] M&#;3:[XE\6V]E=ZI>:1!_8-
M>7%I:%5<7#O(#AB"0!CG'7"^^:8\2W\VBP:? M>ZW>I=0ZO=:>SZ?:"2[OTAS@H "$."I9L=CR,UKW7@=KKQZ;R%KS3=/@T:&S MMI["X$14K)(3'CGC:5ZC'3'(K5E\!Z-
]ATVWM&N[&336=[:YMIR)E+_ZPECG M=NZG.VL>I"/[0\94O)$^W.0RJV,\|BM# M7?%5]J-KXEU71+]XM.TO1 \3H!A[F5/-#?\ 4V<8& . *J>%O UOIWPZ;PY?Q'/[G;'\C1JC_+GY?W>=Q'?
C MWYK.N/%&NV&DOHZ7M_=3_P#"1R:6MY%&CW7V=8Q)\N<*9,';DCISC->ER:%9 M2ZEI=^PD\_38Y([?#<8=55LCOPHJA<^"M'NK.]MI$G N[[^T3*DI62*XP 'C M8&=
<@J"OWE(P1D<$&M M5!K.D>(_"ZS>(;^\36Q-%>13!-B,(&D#1 *-F"N,<|=\N^T/PY9^'WOOL4MUY5W.TY@EE+QQ M,Q+-L!^Z"6)(J72=$L]&:_>U$ADOKI[N=Y&W%G;_( =L4
>=Z=XMU34O MWA[3UN9K'5I]371K^=H\2P,BL6(##AV5%QD<%_:G:U>:WX:U'Q)8Q>(+R[@@ M\-2W]J;G8TD,H8C.X*-W3C/KCM6_XG\(PF#4;W3]+>_GO[F">ZMUN?)8&,8$ MD#9
24<'.0#CFLG0?!,FH:OK5[J=EJ5I97^F#3BNH7@FNI@22[DJS! !M4 ' ML3B@"KJE[KNBVGAZQ_M?6;ZXUZ0S74MO'$TL2I%O9(%( 4$D=QJI;^!M&CLM2MKM;C46U-
0EY/>RF2255^Z,\;0O; M;C!YZT ,H$=+ATC1M,43?9M(FCFM$X?%MA;ZE=Z@UH; 64UTJR2Q&X8HW0 -C&0#WXZ5>T6_P!>
MM/$=K;I'XCETZX@F%T^LQQ#RI%72""O3D5U]YX3TC4)M7DO+=IAJT4 M4-TC,=I6/.S&.01N)R.X%5].\%V%AJ"W\UYJ.H744+0027]R93 C?>"< G MR3DG'6@#A=,O?
$%OX0\)^*9_$=]_(J:R\.6>G^(+_6+:6Z66_\^#S2868!1O"=FPH&: .9\5:C M)+XG_LZ+5-;(BM5D-AH=N#*K,QP\LK#: 0,!CQ#=6C_VQY"2RQ"?
#,D/*QA9NC;&5*XVXXSP!U.;9V,UR7@MWYP44^F3C).,\8JU_PAVE?\(H?#>V;^SR^_'F?/GS?-Z_[WZ4 M<5?ZYK&L>*->@B?Q)%!ILXM;5='AB9 X16+R[SEB2PPO3 ]35G3=2\0>*M5T
MK2-1O+K1I$T<7UX+/:DDLIE,8&2&PHV%L#^\*Z?4_!6GZCJ5S?QWFHV$]VBI M=_8;DQ"X &!O'/('&1@X[T7/@C2)(=/2S-SIDFGPF"VFL)C&ZQ'&4)YW X!Y MSSSUH
S/AG!/;6/B&"YN3=3)KMTKSE0ID/R\D#@'UQWK'\2ZK=7&KZVEGJ_B M":2R7;%#HUNBPVKA Q$LCC:[9.2,\#C&:[GP]XU=QX.U%=4\+6=R M-
4.IMAD>Z:W\AF96((9/X6&,'W&>]4CX!TN.'3UL[O4;&:PM19Q7-K<;)&A! MR$YECM/$:1(9&.2=H_MSQ5Z#3-:CDTR2Y\+ZG?-ITCS6_VW6XI?WC#&YL]2!G;GIDXH RM2;4]:\+>#
M=0EUK=>:KK\-PLT 5DM5:*;$<8(Q\HXRP/S9SZ59UG4]9\-0>--.AUJ]NA9Z M1%?VD]T5:6%V,BL-P49'R C(XJU'H^HPR1F+P7=)'%J7]J1PC5H=D<^U@=H[
M*=Q)7IDU+JFG:IJ\NIRW7@NY+:E9K97&W5H1^[4L1CT.6/- $-KI%WK7Q'\2 M&/6[W3XULK$N+,HKNY23:264\#GCOGGI3-%\1ZQK5QX4M+F_D1KM-3MKN6W"
MKYS0D(LHX(!X+>F3TI+[0]7O-5GU2/PUJUE>3Q)!)+9ZY%'NC48"XQC\>OH1 M5VUL=2L9M'DM? TD(TB*6*U1-4BVA9 V<]2<9R>^: +7PCM6M_ASIS&YGF\ MWS& E((C^=AA<
<<9YSR37,>+[F#Q-XMUNRFT_5;NTTZP:PMI+&S>98[N3#N M^5Z,H$0_.N@\/1:[X9LY;.P\)7K6S2-(D4VKQ.L.3DJF>BY).*FT5MA3!>1L,,DZ':X( M[(_P#KPE_E5?1/#
[S3:A/,BNGC4;70DT[REW MM;W$S2XV\8!0#.<9Y]:PY?$.JK\,_&.I?;G%Y97FH1V\O&8U21@@''88%>BP MQ+!!'"F=D:A5SZ 8KDK_ .&^B:BVHI+/J26>HR--ZA8_\)!?V-A8V=G<"*UV
N[[\Y+*?E(4Y'T]*XVTTRY7P;H,< M&JW:RS^+F1)9-C^3B6X!91MQN/4YR,]L<5[#9Z)9V.KW>IPA_M-U#%#)ELC; M'NVX'_C65;^!-)MI 4DO3$NHC4HH&G)CBFRY.T'H"78D?22@#E-
7U_5_!$OB MFVCU*ZU1+728;ZU:^VN\4CR/&02 ,KD!L'TJ71K[Q#:>(=(55\2W-OW/=ZE?/9*5LTO;HRI;Y&#M'KCC)R<4 9?PW75=2TF/Q!JFN7 MMV]P9X5M&V"%%69E4X"Y+?*>
<]^G%=E?.T6GW,B'#K$S*?0@&L:7PPEIX+N? M#^CS2V^Z.5893,RLCNQ;=N49&&8]/I6W]F#67V61V<&/RV8GEN,$_6@#S#1; M_7/$EUX4L9->O+6*\]/?;;Q[?
8))7#QC(8J=I^;]!TR.]=7X#OKZYT[5;2_O M)+R33M4GLH[B4 /)&A!4M@ $X;&<CVFCF]^RAQ]LNGNY=S9_>/C./0<#B@#R?Q'8/$WQ7G-]=R 6D7
M[IV78=T(8=L_+T'/3KGK731_VMX;\3^&8Y==OM1BU2.=+N"X"; R0F0-&%4; M.5(QD\'\:W=2\#Z5]E]JES-+>)_:ML+:\BCG(CE & VW^\!P#6IHZ7 M?2A_.TPN;?#8'SH4.1WX-
'DUAXF\4ZAH%OXDM8_$<^HS.)EMQ##_9[1%_\ M5CG=C;QN^]GJ]J(\=:[<^'/!&J:M9H&N8(AY089 9F"@D=\%L_A5/_A7.B;_ M "O-O_[-\_[1_9?VD_9=^[=]STW<[<[<]]Z6_L+75-
/N+"]A6>UN$,:UN]\5^^JQ0JJ'82LD10Y4AA]WD8/M3M/\ $>L7 MUIH?AQKQQKB:G);:E.H ;R;8[G?VWJ8AG_II73:9X(T[3M1M;Y[S4KZ6S5DM M!?
7)E6W!&#L'KCC)R<=ZNVWAG2[3Q1>>(HH2-1NX5AE?=P5&.@[$[5S_+HH M \P3Q)XFUC3;[7+(>(_MJSS?8H;>"$V(2-RH1\GH:59VME9S+;VA0.LL]N3EBIX&T]=S]*U[OX>:-
=S70,^HQ65Y*9KK3 MX;IEMYG)RQ*]1D]0" :V[/1+*QU>^U.W1EGO8X8I1GY0L08( .WWC0!YA8S7 M_B2]^&VHWVIW2W#:@8QHXW8VG!8+@^W3%=WXZO-0TKP[_;&GRNO]G3
MQW5S$@SYUNI_>J?^ DM]5%-_X0324T_2;2"6]M_[)E>6UFAG*R*7)W GN#N( M(]*T_$4]U!HMQ]DTA]5ED4Q?95D1-P8$O#'@]1@5:TSP; M8:=J2:A+=:AJ-W%$T,$E_<&7R4;[P4<
9P,GDGUH YF/Q#JA^&O@W43>O]LO MKS3X[B7C,BO( X/'<9KJ?&DFIVWA6[O=(E=;RRVW2HO_"U6,AGC/^\H8?B* MS8/AKHEN;1!<:F]K97*7-G:27;-#;NK[AL7TSQSG@D#&:[
@$$$9!Z@T >:: MWXWO637==T:??IFE:5$8E(RDMS/AU8^H1"AQ_MFKUU'J_A'5/#LS^(+W5(]2 MO5L;R&[V%69T9A)'M4;,%>G(P?QKH-(\&Z'HOAZYT*UM =.N3(9HI#NW[Q@@
MGTQ@#T %5]-\#Z;IU_:7CW6HWKV0*V:7MT94MLC'R#UQQDY..] ''>"]1N[: M+P590SLEM=W>K">,8Q)MDD9<_0\U-XD\0ZW!)XOCL=2:&2UU/38+5MH81"7R MMXQW!W'/UKJI?
>D-I5C8PR7ML;">2XM;F""(.P'^]& M2<>J5VG@\ZG)X6L;G6)6>_N5-Q*&X\O>2PC'^Z"%_"N=\3>%6U:#P_X3@TEW MT:RD@EDOY95PD<0*^6!G<690%)QC#&N^H **** "BBB@
HHHH **** "BBB@ M HHHH **** "BBB@ HHHH **** "BBB@ HHHH **** "BBB@ HHHH **** " ML?Q7K$N@>$]4U6"%IIK6V>2- A8;@."0"/E!Y/L#6Q63XILI]2\(ZS8VJ;[B
MYL9X8ESCH3:E?V_FK906Q,Q"@;GVYPJ9/!)& MO7&D M^(8[==(73;BWL+@PW,$B/D,0CC>C<]">@.*L6OAB^^Q:5<1:/>6YD\317\J7 M5T;B?R51E$LI).&X'
)QQ0!TLGQ"TZ.>*T_LS6FU"2V%T+%;%C,L9=DRR]L% M#U/<8SFDL_B1H5^^GM;I?M:7TJ00WIM&6#S6Z1EC_%GCIC/&:L0Z==K\4+S4
MVMV%F^CPVZS=BXFD8K^1!_&N8M/#NK1_#7PWIS6,@N[;6()YHN,H@NRY8_\ M >: -X>,]/TFWO[C4;^YNHQK+Z?&%M/FCDV@B)0N2XX.&ZDG%7++QQI%S%J;
M7*W>FOID0GNHK^ Q.D1!(<#G(.T],\C%^.<'!K+\/?$..Z\,3ZMK-O2SX7!'8YK$L=(U"?QIX8U**P\2O;6DLWVJYUBYR5+PLHVQ!L M
9/+!1U&,]JDGAK6IM"@MFTK4EET;79[QT@F$+74$KRG= X8?, X.#M[CO0! MZ1HOB:SUNYN+1(;NTOK<*\MI>0F.0*V=K ="IP>03TJRNM6A\0OH9+K>K;"Z M
*_*T9;;D'O@]1[CUKE/!^DL/$]WJPTS6;>$6BVT=QK%Z\L\F6W%0C,VU!@< MD@Y)IGQ.6^TZWTSQ#HX4ZI;2M91H3CS%N!Y8'OB3RVQ_LF@#7E\>:.EM#+"M MW=27%S-;6T%O
7DN&B)#L@_N @_,<"GQ>.='ETYKQC6$I-#-(P M5593TSN!STQ6%)X?N?".I>&K_3]/GU*RT[3Y-.N(K< RKN*-YJ]2-V60[L'/ MS9YK+U+0==U:W\0>
((])FBENK[3[BVT^1E$TD=JP))YP&;YL#/84 =]J'B33 M],U":RN#()HK"34&VID>2A ;\)X9;BQM;Z.W4*T<]S;M$DZMG M!C)^\..OT]:XW4(=9\1^(=3U&/0;ZTM'\-W5E#]J"K)),S*0-
H8XSVSUP?;/ M<^&[:6R\+:1:SQF.6&RAC=#_L$ (_B@#.U/QOIFFW]U:"VU"\:R4->26= MJTJ6P(S\Y'?'.!DX[47_(YTBSNK.VA2[OY[VU%W;1V,!E,L>>HQQ[\X%<7= M^'[W2-
=\0F73O$MXFH7;7=F^DW[11.7504D =0A!&-Q'(QZ8K<\-^&[O2/%6 MC.;#[/:6OAYK5MLID2*4S(WEACR> >?:@"W!\3-!N([>>.+4C:2RK;R71LW$ M5O*S;1'(Q^ZV2
>H&1DU8O/'^E6FH:C9+::G=2Z:P%X;:T:18%*A@Q/I@]LG M@\<5S*?&\%KX?O=2, MM^GDO;;"ID^SQC9(68;1T.[IR?Q -X>*_C6%$OXCH3Z"VH[\#;Q(H$F[&<; M2?:I]/\ 'NE:A>6<'V?
```

4;6.^.+*YNK5HXKDXR C'N0,@'&>U<;'\/]66RBT8 MX'_%)2Z/PYI3>';W3GT^^M[N]GN-@BC$/ M.V,ACOW$8! Z'G% '3#QCI+>%_| A(TWV3S/)V>7^]\SS/+V;?[V_C%9][\ M2-$L9[Z-X-
1DCT^8PWL\5HS1VQXY=AVY[9/M7/IHUR?BM)HBA3HJ3KXB=0?N MS$&,(?K(#)^%6+G0-4?P;\0K1;*0W&HWMU):)QF96AC52/J01^% '2:;XUTO
M4]633DBO;=YH6GMI;JW:*.YC7&YHR>H&0><<'-06GQ T:\N+8)%?I9W4WD6V MH26S+;3.3@!7]SP"0 >QJCKWA^^U/6_#JQQ.D$>FWUM/,.D+211JN?Q!_*N3 MTSPQ>G3-(T*
[T/Q$]W;20I.W*]2S#MWXR<#C-;6GZ1J"Z5X[5[.1)-1NIY+56QF56MT48 M_P"! B@#LX[NWFL4O8Y5:V>,2K(.A0C(/Y5PVB'Q1XTTA/$$7B*31K>ZW/8V M<%I%(%CR0K2EP2Q(&2
0.:ZCPW920>#-(L+R(I)'I\,,T;=5(C 8']:Y/0+[M6_!6B1^'+KPSJ>I&RW165W8^6T=Q%D[-Q+ QL 0#D=L\T ;B>)KG1-!T\^)K M<_VU<.8%M-/4S-
<.,\HH[%1N.>%SR:DB*Y^:Q\4VUUX:\2ZK:?VC>69NEO+2R"[H8Y\;=FY^SR%L/R0I M:9<:D-.FM-3LKTV\ET(;NU,;>4@&6]#G/KV.<5%I_P 1M%U&;3A'!J,=MJ++
M':WDUHR022$9"!C_!<$>A(.":YV_P!1O]=^(.FHVAW=AMT:_$:71C\V1F\L M'A&;"YP 2>235S^P=3'@+P+8BRD^TV%WITEU'QF(1@;R?I0!MWWC[2+&ZO(S
M#J$]O8OY=Y>6]JSP6S#DAV'H",X!QWQ5RY\8:-9WUU:W=SY!M[,7WF2#"20= MW1OXL' (Z\CUKSF3PQ?Z8-40+?R6K+ LA M.T*6[<\9Z9XS72:3>3W^DVUU1:$VJ>(_A+8
M^%K;0KM'NB$^WG8+=(A-N,F[=G=@'Y<9S[&=N@!!X]2#4=MXTLK71M$5GOM7O[ZR2Y1+6T_?2IM&960':@)/ MKC)P,U'IFDWT-WXX>2U91?W.ZV)Q^]7[.B\?
\"!%8.@Z=J_A2;0M4GT:\O(F M\/6VG7,5J%>:VEC);E21E3N(XS@K0!TT_P 0M!@T>UU,M=/']=)H?B&QU^*X-J)XI[: M3RKBVN8S'+"V,@,I]0<@C(/8UYYH%EK6DV?A+5)?
#^H.VCV4NEWMH AE&1&1 M-$-V'7*XZYP>E=5X4L[^;Q'X@\17EC+81:C]GBM[:SY'TK.N?#%[XD\>7^IWMSJ6FVMA EGI[VDPC:7=\ M\K]#QG:O_
:Y/Q)HNH^$O#GBS3(XKB]TJ>>SU"SGN'#;IFN(Q+&[>I8!NG0F M@#T:P\9Z=?7CVDEM?V5QY#7,4=Y;&(S1+U9,]<9&0<$9'%9 \?
V&M65CIRK,/N]JANH]4\5>)=/O_P"Q;W3K;2[2Z#&\ M"*TLLJ! B!6.0.26Z'C%0+H&ICX<>"].%E(+NRN].DN8N,QB-U+D_3!S0!T7 MA'5;S5&U\7DOF?9-8GM8?E
VQJ%VC@<]3R>:I:S'XG>?5[\Z[%HFFV2;K4+! M'*)0J;FDE+ D#.1@8.!G-6O!NG7>GMXB-W T7VG6KBXAW?QQL$PP]C@US'B. MXU;5O%4UMJWAG7+SP[9NI@MK*.
(QWL@YWREI%)4'HG0XR?2@#7L+OQ5XJTO0 M;J"==%M;FP%S=SQQI)*93C;&BN"%7&6R0>PJ_P"!M9OM7TW4%OYX[M['4)K- M+R- BW*ICY\#@')*G'&5.*PO%VJZ_J(TVPL]
UV#2;F'S;]K-(A<@9($)N26]U[P_XMT+3;_71JZ:FLPGA>VCB M,&Q-WF)L ^3("X;/4()-9U!=EWJEY%"L<:@$^6@60E(P> .3R: *R^)?$:^$8O'K MZFO]GO,LK:3]G38+5I=@P_W_ #
I#9SC/&*W]9C\3O/J]^==BT33;)-UJ%@C ME$H5-S22E@2!G(P,' SFN8&DZX_@6+X>MHMV)5E6V?4?E^S?9EE#>8&SG)08 MVXSDU:\1W&K:MXJFM=6\,ZY>>';-
U\BVLHXC'>N.=\I:124!Z)T.,GTH 9<> M/;N]M= ANM4A\.F[TQ=1O;DQJ[Y8[4CB5P1EB&;D$@+^-=EX/OKS4-!%Q=ZG M9:FIE<07MIP)X@?E9E'"OU! XX_"N?OH+JW\8Z7XT3P_?
3POIC6,UJJ(;FT. M_>K;-V#G+*=I)&?K3M!DN_#&DZGJU[I4*ZMK0ECL5*[[=)2D:L^#@$D;B 3 M][UH ZW6]8M= TB?5+[S!:P8,C1KN*@D#./09R?:H[_Q#IVFW]M9W,VV2>"6
MX#8^5(HP"[L>R\CGWJY?V,&IZ='=5\3^%_$ MBW\R?;$LG\/64Q.598=P:3/H[XS_+E ';Z?X\TK4+RS@^SZC:QWQQ97-W:M M'%[O9[C8(HQ#SMC(8[]Q&!@=#SBL75+'Q!#X)\4>%
(/#E_< M7=W=74L%RA3R'BDD,@.XMG=@XVXSG';D 'I^LZQ:Z%HUQJMYYGV6W4/(8UW$ M+D#./;.3[5 WB73%\4P^'#,?[1FM3=HH'RF/..OKP3CT!JY?
6$.IZ1<:=U5;OPI=6&HZ?:V%J\EG9^&;JP61<8,A\L*/JVTF MI?">B:E8^(-#GNK22**#PM!9RLV,+,KJ2A]\"@"[XG\53Z#XUT&RQ.-$;0I]5>2>%+>?[++;R0,)UG) $7E]2Q MR,
9SGTK.\3C4;/QSH.LVVD7.H6=M:745S]F"EX]YBVD D9/RG@=L_2N8U7P MIK6MV^HZ_P#V?=6\LVM6VH1ZS6 M[RROX8Q*UK>PF*0QDX#CJ"N>,@\'KBH_$'B_3_#EY:6=S!>W%W>
([V] MO9VYE>385W =P&S] :Y_P)Z27\6/JJZ7KD$$-F8$N=9O7DE9F8$HL99L+\ MH)8XYZ>M;&IZ;=3_!&T#4$MV:TMK*[227LC.8MH_':WY4 -O/'NEV=Q/$+3
M4[D6J*]Y);6C2+:97=B0CN IK[QKIMK<0P6L%]J8!\D@#]$((P6(MY&/3%37_(:.GC28I- UB!K;38X(;[P_>,9H6!):%\D;D&>&((Z]* .MN?'V MBP)I)A%W=OJT+364=M;L[RA=N1CC!&
[OC&#G&*D7QSHG]ASZI))<1+!+:< MA68#:&P?[V,U+<^']>=HD()8#/8#.: M.NA\=:6\.I-36MW;F.4P@$EU'1AP1P>O!Q3=-\>:3J>I65FD&
MH0"_4FRN+BU:.*YPNXA&/MDC.,CIFN9UZPU?Q;01I!J M;BX^RP7[6K"WEEW%=H?W8$ D8)[UA:WXRGTJ".YBU.>>)/$XL M+A19CPDPH
"7YQAA\QSBLFWTG6K/4X!HFDZWHVHF_#74*7 DTIXC)EW 8 MG[RY("@$$]*GO-%URUCEN8-'FNGC\8MJ*PJ5!>W\LC>"3CZ9QSB@#=UOQRK^ MO> M*PMC*8E8<,^,
9P<#J<=*Y+Q!I>L>*AXEU:#1[NT1]"?3+2WN0JS7$C.7)V@ MG ' &3SDTR^\/7FF>+-2U&YLO$5S:ZC!;M$VBWC1E)(XPC)(H=?0$-TY- 'I
M.FZI9ZQI<&I6$PGM9TWQNH/(^AY!SQ@]#7G_(?\;S27OB'6=;N]2M]/M;M[M.VL7LE"9W*$48!=IB<@KG^+IZ=9X)TJ31O"EI:361LI27E>W-P9S&SN6(+GJ M>LKIU[=0V#2W%IXK?
5HK4L%-S"#CY23C)!)&>XH ZJU\;Z9.+Y M+BWOK&YLK5KR2VO+T\3PRW%C:WT=NH5HY[FW M:))U;.&C)^\..OT]:Y'5[35?%FIW>IQ:->V-M:Z)>6D*W:JDMS-,HPH4$_*-
MO4XR3QZUVOANVELO"VD6L\9CEALH8W0_PL$ (_B@#A==\?:K%%X[@M8)[63 M1H4-I.UM\JG:I)8MD$DME>.5&:ZG2O&VG:IJEOIWV?4+::ZB:6U>[M6B2Y50 M"Q0GK@$'!P<'-
UT'1[K5;XL+6U3S)"BY('TKR*P\(WT7AZU\,W>B> M(;B[C=()"=4==.:-7!\T8?@8&0NW.>,5Z-\0=/N]5\ :U86,#3W4]L4CB7JQ MR.* (AX^TLV,=S]CU0-<3F"TMVLV$UV0N[=&AY*;3G<<
=\5%?\ C&RNO#EY M=6]Y=Z7/:74$%PDMH#- SR(K1MQA@V-PR,'(Z50\=:!=W6K>'M7@M]1N+;3 MUFAN(=-N##<*LBKAT(9&;Z[\/:]/9Z-JD4M[=V B_M&\::Y MGCAF5BS!F.P %L#.
<#G'% '6ZE\1-'TV\U&V>WU*=M,8"]>WM&=+=2H;>Q'& MW!^O!XXJQIWCC2M3U>VT^&*]C-XC26=Q-;,D-TJC),;'KQST&1R,UC2:)J)L MOB,HLWWZEO\ L@X_?
9M%08_X$"*G_L>__M+X?R"U?9IT4JW1X_ES:TM\9)Y#!+J)M"ML)2Y55+ #^$9QC/&;O,FX- MG=C^'&<^W-:UU%K6DW7C+3H= O;TZS(TUE<0E/)^:!8R'8L"N"I['/;- &]= M?
$+2+9]/CCM]1NY[^S2]MX+2U:5VB;^(@=,=Z=_PGVD_;/+%OJ!M/M7V/^T! M:G[-YN[9MW_[WRYQC/>LGPKH>HV7B+0KFYLWCCM_"T-G([8^28.A*?7C]*PK
MG2=:MM3N&T'2=;TG6I+\N?L]P'TN=#)DRNK' RF20 &W=J .VU+QSIFFWUW: MBVU"[^Q &]EL[5I8[;(S\Y'?') R0*6_\'/#EWI'BS2G-CY%I;>'1:$K(9$CE\U6,88\G [^U %NW^)F@W26L
MT46HFTGE6W:[-FPAAE8[1&['HV2 >H!/)JWJ/CK2].O;NW^SZA=+8X^VSVEJ MTL5MQG#L.X') R0.M2W=FVEZ@T5O*) /DD =0A!X)(Y&* .WO_'.E66H0V$,5 M[J%U/:+>PQ6-N9C)"Q(#
CC''4D=1ZUD:Q\18X['PY?:/:W5S;ZEJ'V:8"V8 MN@4/OCVY&)-RXP>P;ZT[PWX=N](\7V;FR\BS@\.068*R&1$D65B8PQY. 1R: MQ7T;6+#1+"X&DW5P]EXKGU"2W@"F1H&:8!E!
(!^^IQF@#U3M12 Y4'!&1T-+ M0 4444 %%%% !1110 4444 %%%% !1110 4444 %%%% !1110 4444 %%%% M!1110 445SOCK6;K0/!.JZG8E1=0Q#RV89"%F"[B.^,Y_"@#HJR-
*\2Z;K6H M7MG8-/*UF[1RR_9W6+>IPRJY&UB#UP37*7]E?>%=5\/"'7]5OH]4NOL%W%=7 M&_=NC=O-CX_=E2N?EXP>E3?"K3Q9^'[Z075U-OU*[3;-*7"[9Y!D#L3U)[F@ M#O*S;S7]-
T^^>RN;@I<)9R7S+L8XA0@,V0,<$CCK7 >)+ZXOM6U[[%?>);Q[M(>6@TIEMK:R=8PQ#NS@2-SN/7 (&*SQ]%QJQL=0NW#W-SX$N)97 QN8F,DX^ MM 'K5E>0:A8V]
[;/OM[B)98FP1N5AD'!Y'!J>N;T"Z:Q^&FEW:)YC0:/%*$_MO%80K MT5P?ABWO]6\7>(+^[UO43!INJO;V]DDVV';Y2$[AC+6BD\\C)(YXH [.LR[\/:7?ZS::M=6WFWEF M/W#-
(VU#SSLSM)Y."1D9KF?AQJ&H7#>(+"^>^*V%^(X$OY5EGC1HT;:[J2&P M2>Y/.,\5&UE>:_| $+Q!82Z[J5K8V=M:M%;V=P8B'-HKV2ZN[5A%)>>1,(D"L/NY!W-MZ^U1:OJNMZ9#K
MN@6NMW;-8ZGIL=K?2,&F1+AEW(S8^;'/7DAAG- 'JDE]:Q7\-B\Z+=3HSQQ$ M_,RKC<0/09'YTS3=1MM6T^*^LW9[>4$HS(R$X)'1@".17G[>&QIWQ1\-P_VQ MK%T5L;N3?
K>)X?"^CW6L7MO%<:?MT5Y'JFJZWI\>K^'[;6[MFLM9TZ"VOG(:98[@J M2C'&'VY/7J",UTNCQ7>B?$>31!JVH7MC<:2;S;?3>:R2K*$RK'D ANG3B@#M
MZQKR31?"EIJFMW&+6*9UFNY1N!GDX4 5C>(9;S5/'&F>&TU"ZL+)[M&:]G>UD\N28JZ(L8?JH&XL<>0>U 'KNG7\6IV$-Y#'/''*"0EQ"T3CG'*L 1T[U:K*U+2[F7
MPO]E\VPO+U+9RW,*K C*%],$DT >@50UC6;'0=.>^U"8QPJRH-J%V=F.%55 M)9B> !7 :>NI^(O%NGVE=7XST^ MUU/3K&WEU1--O!?0R6$[,/M*DE%VG[V0&XH
=X9\9:7XH,T5JMS;W4(W26U MU"8I I8]& /4$J1D9P>#6E#K>G7&M7.CPW227]M$LLT2Y/EJQ(&3T!XZ=>GK M7#> -5O%U"/1-7LK/[5)9S3VU_:9!DB6A:).D%
[=R"5HO/9(K:24QQ_WWV*=B^[8[UDZJO_DOQ#M-%?YM M-T:%-0NT[2SL2(4;V4*SX]=M.\,!6\=>.#. 9/M%]IW?\|OLZ[?PR7_6@#KX M)X;JWBN+>1)894#QR(AUQ.>U4/A86/PUT?))4+
((_P#/,2OL_#;BN00(?V<]2:;'GE+IY"?O>?\ M:'Y/^UOQ^E 'H6L^,-#T"[%KJ%U(L_E^^Q3L7@\G XJ;4O$^ MCZ58VMW<7>Z*\QJE%O&TSSY&[Y%0$MQSD#I7/^$ S^,?&9O #
<&6T5]W_//[M,N/PR7_6N4^'6YM6\'B?)A31+[[)N_Z^5 Q_VSV_A0!ZII.L6&NZ>M]IMP)[M=F*YVE2K X*LI *D'J" :?]6F66L:?-8:A;I<6LPQ)&_0\Y'T((!![$5S/@[MCQ7XV6+_
(]AJ<97'3S#;Q[_,*/$BR:YJ&G1Z3+';6D5I*(U M4F)7,KC'SY+C74T^Y\B6198P&/J0"?SI9]?N3I_B&.?6;Z GQ M(;*W%I%YT[IY<;&"+GY2?F^;MS0!Z?
17CPUC5],E\6V4K*S%0<#@G.1GBM.Y2?2]!T9+GQ+X@NKS6'2:6WM0))[@B(LR0G@0 MH"02?0 9&G54TS3+/1M.AT_3X!!:P@B.,,3MR23R23U)KR&?7M=L-"\; MVL-
UJUH]A]@DLQJ,Z37$'FOA@75FR#@<$G -=4UC>Z-XXTW25U[5KJUU>PNQ M_(-6*\ M-T2]U'3?!'@K2+"35Y4U=[B6X%G,@GVQC/EQ,Y 0$\G!S@-CK6G>>(O$_A_0 M?
$")#JD42M:I8/J4T,US 99-CY((#8-9W+W$>MW<$I9XX]Z-'MD9L MDC:0!CY@<#%4+[3;R;PMX/U^Z\07]UI%7:XWXJJS?#;5E6O1L3 Y' M"GSDYK+U.;4/!'B#3A!JNH:G#?6EXT\%
[+YG[R&+S%=./ER1M(''S#B@#T:J MFIZ99ZQ8/8W\ FMG969"Q&2K!EY!!X(!_"O-9)-5TGP-I/C0>(=0NM0G-I-< M6\DH-
O,LSH&C6/&%P'X(YXIMQ'JVH:1XXU<^(]5@ETB]NQ8Q03[8X_+C#@,, M?."3C!XQTH]7HKBM UF^U#QN(I[AC!)X>M+OR0?D$CR2;F]> /PKF8[_Q% MJGAO3IK>XO[V$:E?
B[@LKQ8;N6))76/RV)!*KQD @]* /6Z*Y7P%J*7VCW40 MOM1N9+6Z>)X]3A\NYM^ PC?^]@'(;N#[5CP:??\ B+Q;XMAF\1ZG:6]C/#': M16MQY8A+0(Q<_P!X9/W3Q]
[CF@#T*F211R[?,C1]K!EW+G!'0CWKRFW\2W7B M+2?#?VJ\UJ6\N-.:XGT_0T$&ZBN)5>1K/(5UD*Y#L@?=G)^Y0!ZY17E>OZWK%WI7B+6-.U2>VMQJE MIINGM&'?
^$GUTZ;)I:WSYN_WOF^84^63& M57')48&0.W% 'I-%>,6_B77M0TWPMI+R:O=^>MZUU)I\D<=S<""8QH-[,H'& M"Q!R?SJS=:KXGM/#FJ6IGU*P\K5+&.QGO98I+I$ED4.C[&8$
YQNY(;G- 'K MKNL:,[L%51DDG JM;SV>JV5O>0-%F>*+[0!K M>JW-C>Z%-=-]IN=[QRHZKE&QE00QR!Q6Y\,[46OPWT#$TTOF644G[U]VW*#Y M5]%'84
;._3O$VEW=MF62U,DEM,!OA;37EZZGK.I?V5:+K-Y;_:O$]_:22Q.-_D)YN$&0<8"@#T MX/:NG\)&[L?%OB70I-1O+VSLTM9K=KR7S9$\U7W+O/)&4!&>F: .SHK@O%EX
MUSXI338KO7[DQ6@D;3MQR,S$"228LH (& N>Q/-<_HFN:UK6G^&]#N=3O; M 67DA3@\T >NT5YOK!U#16MM M/%%Q,NHZM M!;&21P]U8PO&SLI&88SXFCM-1:>*X_MJ=
M&63STP<"NCBM[[Q9K/B=Y=?U#3$TRZ^QVD=I-Y:Q8B1S*X_CR7Z-Q@4 M>@T5Y-<:QJVM>)[O3Q+K>HV>G6=KLF\/SPVZS22)N,S%I 2#_"H)7@]:[?P1
M>:K>^%K=]:4B^1Y(F9F0LZJY"LVPE0Q7&0#US0!KRZ99SZI;:E) &O+:-XX9 M=Q^57QN&,XYVC\J+_4;;3(X9+IV59ID@3:C-EW.%' .!GN>!WKR/5?$_B"ST MI-
)M;Z=]3T.^N[J^D+9>>TMRKJ&]G2:/ZX-:U[X@U&]>XUBRU&9=/F\16.GV MJH_RF)7592/9G9P?910!WEYXDTBPM;RYGO4\JSG2WN"@+^7(Y4*I !.?G3Z9 MK5KP_6-
,:'PY\0'BOKLR'7K6)?-DWJI,EJ0VT\%AG&?0 5V]E!>>'_B+8:8N ML:C?6>H:?/++'?3>;MDC>/#+Q\N0Y! X]J .QN+ZUM)[:&XG2.6ZD,<",>9& M"EB /H"?
PJ+3M5L]5%T;*7S!:W#VLWRE=LB'##D.M.%[XN\%DW5W M#NOY4_<3%,?N)&R/?C&?0D5RZ:?>Q^'/'>O6NN:E:3V&J:A/;16\H2(,AW?. MN/GR1@[LC'3% 'LE%>4WVMZOKOBNXL?
L^OR6EG86LHBT6>* F252Q=V=U) Q M@ 9'!S79^!KO5KSPS&=:5A>1320EY&C+NBL0K/L)4-MQD]0: (9_B%X>M[Z MZLS+?
RS6DIAG\C3;B54<=1N5",\CO6SHVN:;XAT\7VE72W%ON*%@"I5AU5E(M!4CT(KS?1;CQA:W7C2?PY::3=11ZW<,8;IY%E=PD>0N/EZ8QDCFJ<.JW.G?# MX:MI5[+
<:CXEUM%NGM85B>V>0[7C1';"N FT%CU.<]*/9**\KAO?$&ES:K$ MD.NV^GMH]Q,#]]W#++%.B_*\961FP03D'@$#&*EA.IZ)H_A#7?[?U"^N=2N; M2"\BGFWPS+..=J=%*Y!!') .*_B
M*6^GHJR;=@C9_P!XHQM)VDDY.:ZG6_%%YX2US7OM,LD\-WIRWNEQN<@3J1$T M*_5FB./]HT >A45YI;Z7K%WXPM_#M_XCU5(;?P_!/<&VN-CRW!ED5GW]0..@ MZX7L*R=-
NM;7PCX<\3S^(=2GO9-5ALY(FD @>$W!A(9 ,$E1G<>(=;N/$5[!%XD$UG?3VMD^GW$$=K (C@>8CR N21EMP/!XK8MS]_B;Q? M:V5_JE]IT+>'K:\N+:PN G[]I'!PZYX^AYP.
<"@#T*ZOK6R>W2YG2)KF40PJ MQYD<@G:/4X!/X&K%>,NMWK>F^#AJ&J7TD]OXCN+'STEV.ZIYZJYQ_'A ,^Y] M:]/\4:VGASPQJ.KN-QMH2T:?WW/"+^+$#\:
':9XDTG6=1U'3["\6:ZTZ01W M484C8QR.I&#RI'&>0:U:\4T.YF*:MX5N[C1]7L_,C;3]7NKR!5CEDF?S%?(M8])F;DCHU;[_-I:]9^+=9;Q!J-A-I=U);L1C% M'IE%>5Z8=5\2ZUX>L9]?
U.UMG\,6]]/]DFV/+,6 R6P>N>?7 K+_ +8\2ZU9 M:OK-M%XC%Y%O^18V5JWD:)HZE>V$ERU M_'>/;RQB2=(MNPDH656QC..A+8Q0!ZO17CL\>L1^%_&-Z/$^L^9X=NIX[#]^
M.B(L@\TX_>YW[?FSP*MWNL:QKWBW5+/[/XB>UT^&V6)-$N(H,/)&)&=R[J6Z MX Y7Y30!ZO5>^OK73;1K]JG2"!2JEW.!EB%^I) 'N:\RM[SQ'K-QX+T[4M2
MN["6[BOUOC:RH'F$10(Y]34M M!1110 4444 %%%% !1110 4444 %%%% !1110 4444 %%%% !1110 4444 % M%%% !4-W:6]_9S6=W"DUO.ACDC<9#*1@@U-
5;4;^WTK3;F_NW*6]O&TLC!2Q M"@9. .2?:@#&TOP3H^DW\%[&;RXFM4,=K]LNY)Q;*1@B,,2%XXSUQQFM32M) ML]%M'MK*,I$\TDY!8M\[L68\^Y-8EGXWCGU2TL+K0M7T^6]C=
[,W4<8$^Q=Q M4;7.UMO.&Q7(1?$;77\-6%Z=)OC//KPLW810X:+SV7RU&_[^T;,GOGGO0!V= MUX%T6\O[RY<7B)?-ON[:*[D2"X; &712 <@ 'L<O
YZU6U#QO'9W%W%;Z%K%\+)%:\>VBCVP97=M^9QN8 @D+FG MW/C>P6/3!IUI>ZI<:E;?:[>WM$7?Y.!\[%V55'S)88U)SA5 &3UX%<_;?#
[0+6ZADCBNC;V\WGP6+W4C6T,F<[EB)VC!)(& M,#L!6%J7CUFUKPO/80:B\%U)>P7&G+ //:6-0 C*3@%6RGZ39Z7+?2VL95KZX-U. M2Q.Z0JJD\].%'%5-:\,:?
KEU:WD[W4%Y:AEBN;2X:&15;&Y0<#@^E4[+Q MI9RW4]KJ=C>Z/<0VS7>R_5!OA7[SJR,P.W(R,Y&>E<]J/CNYOKWPNECI^JZ= M;ZAJD06>YA14NH"CD@88EJWKW=O!
<6]M%;S6=X\+L%#^8K;"#CE.OIQ7 M4:UK%MH6F/?7*32*&5$B@3?)([$*]J.Y)(K'MO'%H;F]MM3T[4-(GL[-K]TO M$0[H%X9U,;,#CN.O- %FZ\&:)1USG/ M?--
A\%:'#IIL1!*Z/=I>RRR3N\LLR,&5W,YZCM6E9>/=)U Z?#;17;WMY&,Y MH LP^"M$@TY;);>5D^V)?/)),[R2SHP8.[DY8Y Z^F*TCI-F==763&?MJVQM M0^XX\LL&
(QTZ@_CA4Q6\8F*H#R&8*NW) M4' ZU8\9^)9M-L/&#V&I7:76GV]E(%*)Y<(=SS&>22P!SD=AB@#KM;\.:?KY MMGNQ/'<6K%K>YMIFBEB)&#M92#@CJ.AJK'X*T2/1)M)^SRM!
<3IOJ7@NSM(]2OK'4[.666YFBB$DN-H!;#<;A7!D\9-;C'K\PH UK7X?Z!9W5O+''=-!;2^?;64EW(UM!)G(M9(B=H())'8=L4:CX T'4[Z]N9TNU6^YN[>*
[D2&=@,!GC!P3@#\N>M2:UHEAX@TYK'483)"6612KE&1 MU.596!!5@>XK0HH YKPKX+L/"X>:.6>[OI%,;W=Q(SOLW%@@R3M&3D@=3R:U
MTTFSCUN;6%C/VV:W2V=]QP45F8#'3]QYJ]]10!1M-(L[+5-0U*"-A=:@8S<.6 M)W;%VK@=L#TK-UGP;I.MWS7DYNX)Y(O(G>TNG@\^/GY'VD;AR??DUT%% &+- MX?
C&H:#)9D6MKI/F!88V(5D,1C";1P0,@Y/3:,=35.7P'H4VIO>-%<[)+@7< MEF+EQ;/,#GS&BSM)R >F"1DBNFHH Y_6?!NDZW?->3F[@GDB\B=[2Z>#SX^?
MD?:1N')]^34NH>$])U"RL;;R9+4:?Q9RVD*1QS6FI MM:"0 #C%>AT4 <7IGP\LHO"N@:=?S3K?Z3!LCO+*X>%U+#Y MPK*0=I]#Z"K@^'WAY-+?3XK>>*-
KP7ZR1W+B5+@*%\Q7SN#8')SSDYZUU%% M',Q> M"C>^D=+J:>_LWLKJ:>ZDD>:)NH))Z^F,8[5;U/PKIFJVVGQ2BXA?3O M^/2>VG:*6'Y=IPP.<$<$'K6W10!RZ?#_
,/I;ZC"8+AQJ0B%X\ES([S&-MRL MS$DYR>OIQT%;5QI-G+J6/MLMY,TTD M^!@;G8YX[8QCM7044 <_I7@;OFNZ2[PQ2WUV\YAC/54W$X!P,]SZ
MU3C^''AZ.>V=8[SR;2X6YM;4WDA@MY%;<"D><+SV]"0, UUE% %#6M&L?$&D MSZ7J41EM)]OF(&(W88,.1[@50TKP?I6D7YO8OM5Q<^48(Y+RY>H_^$ T!--
M+&V@GM%LII)K66VN'CEA:0DOM<'.#GITZ>E= M/10!FZ+H5CH%K)!8I)^^E,TTLTK222R' +,S$DG@?E7*Q^ 8]0\5>)M0U,W< M,%_-$(_LMZ\0GA$**RN$89&X-UYY/K7>44
<]>^"]'N[BTN(AP MN7@/DCD1G:1E0>1Z=JS]1\-KH'A34=+\+Z(MW_:#=.\-SH9;:T6$DJQ4O(C!]_']XS^-:G]DV8UTZSY9 M^VFV%KOW''E[MV,=.IZU>HH YR3P-H"X=)H7D8LY5P<
M\ECD=/RI8?!&APZ:]EY,TBRW4=Y--+.[RS3(P96=R4S!F&.G51S3- T&R\-Z8NG:>;C[*C$QI-.TOEC@;5+$ MD*,<"M.B@##A\):1;RVTD<#AK:^EOXSYC<32[MY]P=
[<=*O6^DV=KJ]]JD49 M%W>I$D[%B0PCW;>.@^\:O44 8.I^$=-U35?[3>2]MKMHA!+)9W*Y:[@:&=TD@E/5HW!RO4\9QS72T4 !="%C?VMS#/??;PHN9K
MRX>65PO*#>3D;3R,8P>>M=)10!SUAX+TFQEN9R;R[N;B VS7%[=/-(L1ZHI8 MG:/IU[U8N/"VDW7ARVT&6W8V-JD:0 2,KQ>6 $97!W!A@/J%N+:
[DN[J25Y4!R,DG((($8Q@4^U\"Z1;:C9:B\E_=7MBQ:WGN M[V25HP5*E1N.,$$YXYXST%=+10!A_P#"):0?#+>'O(?^S6SPW$8NK">& 6RR:?,#&,=!Q@?@* MAM_!VBVN@Z?HL-
LR6.GSI<6\8D;*NC[P2.2YB6Y<1N\;(ROLS@-F->1U_]ZU9=)LY]9MM6>,F\MH9(8GW' 5RI M88Z'[HJ]10!E:YX=L/$,=JM[YZO:S">"6WF:*2-\$9#*0>02/QI@\,Z6-*U7 M3?)?
[+JDDTETOF'+M+]_![9]NE;%% '/:AX,TG4)[>X#7EI=00"V6XLKIX)& MB'1&*D;AWYZ=JU-)TFQT/3(=.TZW6"UA!"("3U.223R22223R9PI4X0,Y^565NFR":[>6&WEV
.T:$E0<[N1TSQBNQHH Y"?X:^ M'+FVN;.5+UM/G9W-C]ME$",Q)+*@; .22.P/(Q4>M:!=^(/%^B+V6U9]QQY:LS 8Z=6 M/-4D\):1'HEII"P.+*TN%NHD\QLB19/,!SU/S'.*VZ*
.9U'P%H>I7EU<2"\ MA6](-Y!;7DD45R<8_>(I .1P?7O6K;Z'I]KJW]I00".X%HED-IPJQ(Q95"]! M@L:T:* .<'CBM"B@"AK6C6/B#2+C2]2B,MI. '4,5/!!!
M!'(((!KSWQ)X2U._OM8BC\."X:]&R*\@U1H()!L"JUS%N^=E/<*=P KU&B@# M#T3PQ9Z0-/F&7O;33(M-\[<0&C3!^[TZC-4[WX?Z#?W=U-(EVD-Y)YMW:0W<
MD<%P_=GC!P2<#/KWS7444 8&J]>#]*U2]2]S=V5VD7D>?87+V[-$.B-L(R!VS MT[5+9^%-&T]M*-I:>2-*65+15QDTI[2T$/]E1216BHQPBR8WY'^$-&O[;
M5K>X@=H]5E2:ZQ*RDN@4*RD'Y2-BGCTK=HH AM+9;.SAMDDED6% @>9R[L , M99CR3[FIJ** "BBB@ HHHH **** "BBB@ HHHH **** "BBB@ HHHH **** M"BBB@ HHHH **** "L?
Q7%K$_A;48M D$>JM"1;L2!AO8G@'&<$]#BMBB@#R MO3O#>HMXS\-:M!H.K6\%E)-]LN-5U,7$S%X70$+YC *"><8)R.,"D&@^(H/# M*V(T.62?2_$*ZC&%GBQ=P_:'E.PEN"%
(X;%>JT4 >6ZKH_B#5=2UA=2T?5KT MW)_XEHCU,06<$9C "RHL@)8-NR=KY[5+HFC:]X8/A[53HTUZT6A1Z7>V<$T7 MFPNC;@R[F"L"20<-Z&O3:*
.&BL/$FI^)O#.KZI80P"VDOFDCBD4FVCD0+$K M'/S/QR5X_G65XB\%:MJUQXGFCM@WFZG97UI&;CRQ.<'WK MTZB@#RR/P6VN27\:>';O1XGTV>U2YU+47N)O-E7;A%KJ ZD\GC
JY)%XHU M8^%;*?PU):+I5_#->W#W,10A$9"B@#F_'%OK=SH"QZ& M9_-^TQ&X2VE$4TD ;]XL;D@*Q'0Y'?FN0TOPQJL?BRZU.T\/S6]G-HL]H@UB M^^TO+,71@)1YCD(P!& 3T.
<9%>IT4 >8^%M U6P\2:;)IVC:GH.GQJ_]I6MQ M?K-:R$IA1"@=B/FP<_+P/PK;^(EA?7MOH,MAIW]HM9:M%=2VWFQQEHU1P>9" M!U8?G79UF:KX"*4\82V]N]
[J\IAU/3TDB!M8#@1E7R S)M& M_D[L\=!76?\ "OO!O_0JZ-_X!1_X4?\ "OO!O_0JZ-_X!1_X4 #?\ H5=&_P# */\ PH_X5]X-_P"A5T;_ , H M_P#"@#&(U7Q)XJT>^O-
;2K;2$G=C/<1.9YI(S&%38Q^0 D[CC/'%9.BZ-K& MBP^)7T_SFTVUGM+Z.XBW0&78 W+88#:%]3U@Q^8;.W>54/\3 M<#\3BM:L_7M(AU_0+_2+@E8KR!X68=5W#&1[CK^%
')Q>O%WHJ:@_B[5(] M?DB$PVR*+1)",A/)VX* \GG1]?\ M#OB+2!M?,VF16-X#,D,QDC9B)1NPI!W-D9&..M %F7XBZ='I5G>)I^H23
M7.H'36LEC7SHKD*QV,"V/X>N)]2N+FWLK2:TL/LUU._R":&9G <#D+DH"??VH WK+QK)+K^ MGZ+J/A_4=-NK]))(#.8V0JB[CDHQP?5>HR*J:7\1XM5T1]9B\/:N-/**;>01
MHS7$A8)Y:*&SG<<9.%X)SBLN34=:U+XG>$TU+3+>P$4%Y+Y4=T)W.8U4N=H M"9([DYX&*DA\-^)++X2:3HEH&BU&V,7VJ""Y$3RQ!\O&DH^Z2.^?QH V$\9 MW1N;W3;GP_?
66]1V+WL$$DL+B=%(4[65RH()&02.M5?!WC.XO]&\+1:M:7"Z MAK%O(ZS'R]K^6BL7PIX#;N!C/'(%9>A^$;ZW\:#5(M!&EV$FES6C":]^T3^8 MS(P:0[FXX(&&;H9XWB51*C$[1R/

MNL0: -7Q;X]M'5?&DVGRZBUMX M=U.^L]-S]KNHS&BKA0S; [!GP#S@8^MF>*AUOPEKV]7/B&&^T>35)[N67^SKR;4]EK;PLN$4P[O MO+_N')
[B@#>'BV_NOB%IUA9VD\NCW>D&\613&_=S)B7D[L';CKENAZAND>- M(5\/:!#I]KJNLZA]%J9XHI7C$WE]<&25R0BC)]SP*ATW0M7G MB"TOY;5)@PM[>%-
@RW1FP,G'KQ6OK6@ZM<^*]5U&RM[*6.?0ELHA>#=%)*)7 M8HZ@YVE6'/OWZ4 :>C>)+G4=06SO- U#3FDA,\,LICDC=<@8WQLP5N1P?PS6 M3XY:\GUWPKI=MJ=[80W]W-
',]G($*+>[LM%G\/ M:6D$@N[)M0%Q%<2'&WRT#$(%.3GY3SC%:_C33]8FU?PW]FD::-0;3;]666 W M"PY5HF08+>[4 4;A=4\$^(-#SKE_]FDZI=BPFAU!E>2*5E9D='"@XRI!!SU] MY-
\0H(X[F_CT?4)M"M9FAGU1-GE]5;:S!-V)D4Y!8#L<9Q4/]G>(O%/B#2;K M6],M])TS2IS=I;BZ$\L\^T]A)4 *][B>I)-1] M^-FCUN^TC3-"U#5+]RCCFE-NT:H$=<@A MF89/'
')].3XAV4D&A/IVFW]_+K<$DUI#$]*WR;=RN68!<;N3G'RGVS9T'0[MK3/%VOWKQ(EG=06<=NRMU\I'5N,DC&1UK \+^$M8TR3P6;JW1!I=I>O76)%. MQI&4IC!YS@]*
+USXQMM0T=998M4TRYMM8M["XMT9!(DK.F%)R5:-@PR0>03 MBK1|=;[RZ^RZ#]5W1]I>&RN+V 1MLE#!6Q'NWE03R0OJ<$5D7_A+6)[G5WCM
MT*W/B*ROXOWB\PQB+>>O!&QN.O%9VO>$M;O=4OY['0([/69;C=;:.]]]]G01 M[@09H]VYV X(VD'U&:_ITB\U"7XF^);.:XD;Q@M+-X(2?E0N'W$#WVT^XOK
MNP^)MI;37+_V;J.F2>7$Q^59X7!)'IE'_P#';T;&SFB\4ZI=O8^6DUO;QB[_M\'SRF_CR\97&\|Y.<^U8WQ'T#5M;T6W?00G]JVTK>4SN%PDD;Q/R?0/N_P" MB@##\%^*-0;6[Z[UB]D?
3M5LY=4L%DZ011S.I5?K&T3?B:N^'O%5]:>&M$BN MK;]U?7]7BDOEM8V4&.)FW LSD!$5711ZG@4>-_!-[]'A_1;'0-J262FQ8LP7 M%I)$8I/Q VG'^S2^+?!S7'B'3-
7MM'75;6WLFL9;!;GR'5=P9'1B0#C!!!(X M- '5:!K\&OVUPR03VMS;S&WNK6X $D,@ .#@D$$$$$@@US:^*QHWB#QE-]< M]O+9V4UG';6\8WL6DB7"1KW+,?UK1\$:'+H]G?
2SZ3;Z6]W<>8MM#*TK]@ " M^8Y8AGX/W> ,#FL/6/!VKWV]>(KZU2%97U"PO]/$K_+,UNBY5L9*@D$9^AH MWK/QG' :#6&M;7=:+/XYFL+BZT3 M4K+2M1E6*TU"?R]CL_W-
RABR!NQ([C.,UGZCH.M>-M4BEU73?[%L[:PN[9%: MX2:222=/+)^0D!5&>IR2>@J%])\4ZSHFC^&K_1X;."SFMFN]0%TCI*D#*P\I M!\P+%1]X#&3UH
GT3QBUM/JMG"]8U"PA>2Z@LY70H5_=D(3O.X@$+U(ZG' -<;#X%U73-1U+Q-IEL MBZ\-9GN(T,P"WEFY&8F.<+D989Z,!7<>)[*YU;P;K-A;1YNKO3YX8HV8#YWC M8 $].IH
Y3P]XCN=*TC3-,73];U;6[RW^VO!<743ND?"[VD+;51B/E7.>O_K M1N/B-I\.CV]\NG:A)<2ZA_9C6*HOG17.UCL89QS@<@X^8'I5;^R-$=;DELM2NH(4N[CQ(N]W4 M$-M-
GCTF2*.=TU&PDU$%%W&&%%4DL!SG+A0!GFLKQ1X3U#5/&_MVDWUF$_LZ7RTU4%@,K!()H>/XLMN!]C6=H7@OQ!I4'B;RIHH+D02V.A2[@?* MA+R2*3C.#ND4?\ '% &]:^-Y'O\
3(;__/:EIUMJC^79W-PT1#.5+!756+(_M2_<9'UQ5;'XDVDEOJ-\^D:C%I=@TL4UZRIM,J/L\M5W;F+'&,#&3CUQS=IX._MU:35/#=ZOAR6UFL+V.6^NKW5/M,TOR,K%/F8:?
$#PUI]QI>H:1'/#=R20SNC M+.H12IRC$94YR#R,CUK0\=^(-5T*3P^NF6YTJT6\GT[5(KQKY]ZXR"R\4>' MO[2%;/*[LCTKJO#&C?\([X6TS2#*)39 MVR1-)T#$#DCVSF@"C'XTT^?
1=#U.WBFE769HX;>)0-X9@2V[GC8%;=_NFL^3 MXBVZ03:DFC:C)H$$IBDU5-GEC#;6<)NWE >"P'8UC^$M%?\_X6+JZ+*DNCZ) M-*]B$.0DUT%>1?3Y/F'L)*8N@>*;7P3<^!8-
ADMY%EM8M6:Y41B!V)W-']_M>%8C &"1 UH [[QUZVU#6=5TV.3S--$)DD.-KB1-XV\^E.\/:W!XC\/V6L6T MVCBF:Z6+[.\49C_> \E2 M,'*@GVK<\"Z3=Z%X'TC2[]%2ZMH_D][P8 Y/<4
9&G>,K6UT2S%O'JF]7U]> MW4%K;2%#-(8Y'#Y;(547'4G@8[TF]>,[:X\.ZL+]'5-)OM.FMTNK>)H_/3S) M%",K9*LC=,@]-PX-<[X9TS4VTK1/$6D6R7LNGW^J1R6AE$9FBEN'!*,>-P*@
M\X!&>;O:MX5\0:_:>(M2GL8[6]U'[%#;6/G]S)%!,'9G+M/?5+7489[^_M2WDT";4TA7:(GB!0Y(//F<@#G&":L;=HE];ZOXQN)(E$>IRQM;G>#O MU0Y]
M/F!ZUS5IX,UN+3].A>V0/!X2FTMQY]\7#;,+UZ?*>>E_&]I_C^.]NM)_0]2 ML[#5R$L;V?R]LCE"X!4,67(!P2.:@U#XDPV-C]&J1Z%]=UHUB[Q2:A#Y>QG0 M[3M4L&*
[OEW8QGVYJ2Y\,ZE)HG@BV2%?-TJZM9+L;Q\BI Z-CUY(Z5Q&M3ZI MH_P]U_1;&&QO-*C>YABU(78^Z\K$Q&/&[S06*8Z9PLZQ[$]GX=O-0M(' MFFCMVECC4]"3C/\
$0..O7M7G=KXSUUF_W$UE]$\^HZ?+Q_8C1;R]N[&]MKNSNO8R:>55YFG;;L1-I M*MNW#!SBKND>*#?ZN^D:AI5UI6HB'[1'#<.CB6+(!961B#@D CJ.BN2UWP+J
M>]_V_(+>&1GUJWU*TADFVK4S\X!]<5H^%/#/F M((V_>/]_9/%-G^(4$275]'H^H3Z';3-#/]D>SRU*MM=@A;>R*<@L!V.,XJQ MXGT[5)/$OAK5].LA>)I\TRSQ>1]'M1TV'5&*6=Q<-
$0S;2X5U5B4)4'@BFZ?XZ_MM*:WEM]!U)]*N+DVL6H((W4N&*[F0,75,@_,1QWQ7*V?@_5&UOPW?IX,%>ISNH_]#US6X-!@M)[F*1XI[N*U+IC$9D;:K-G^'<0/QK M-
'CG2O[9U_3'$J/HEN+BXD(&QUV[FVG/)4$ ^Y%7O%6CG7_"NI:6AVRSP.(6 MS]V0Z=I$LJ0QW]_/.NO[9!CR)YED8*<\X$:H,>M '7_MGQPUQ)#;Z9H.H7]X;2*
[N8(VC3[*D@R]NSL!O//RC/2MW1-9M/$&D0:G9%_) MF!^61=KHP)5E8=B""#]*X77?!LJ>,M1U@>'?[*ZWP?I$NB>&K:SN+6TM9|O))#:%C&C,Q. 6))//)[G- &9)X_C#W
M%Q;Z]J5SI%M<&VFU&$(4#AMK%4W;W56X+ =CC.*DU7QK-82;B]MX=U.^L]-S M]KNHS&BC"AFV!V#/@'G QZ9K*TVQ\7>'-*F\.Z7ID$B?:I7M-5DG3RXXI)3(M3)&?
G++N(P!@X'(K)UKPEKVJ3^((;[2)-4N+N27^S[V;4MEK;PLN$4PAN&7_M '#D]Z .IN_'D*ZM9Z;IND;A[<]U8Q:@GV<(JB!V(W$LPOC X[Y'OBF_Q,B6 M#4KQ/# ^]R:;ILTL-U>*(]B-')L;+98
?-D#I[T_POX>U/3O$&GWMW;K'%#X M;M=/D/F*Q$Z.Q9>#TP1ST][X9T"2R\.ZMIVL0H(KR_O9&0N"&BED8C)']K4 M:LNO6R>(+'1HT>;>ZMY+G?'@K'&I4;FYF[E@!CW]#7?
$]:/>6>GV]C:L;F-V5PR%OER"O()&0: (IOB)86 MNCW-Y=:.??PW-I>165U8E%;:*20C;@ D,"&!!!.15_1O%3:EK'XD1:R(Q]B72'M2^X9\PS*P&.O0'F@!=6U2&R\6Z5;O M-
>AY+2ZE$417R7">7DN#SN&?EQZG-96G_$B&^CTB\?0M3MM+U66."WOI?+V^ M:_W5*ABP!/&[&";FKVNZ+?7WC#2=0MXU:VM["]AD8N 0\@CV#'?.TUDIX6U M4>
/"&DF!/MFFW=A+TB;4KTR&&+: D2[MGD9B%55'